# **CONFIGURATION AND PARAMETERS**

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CHAPTER

# "HEARTBEAT" LED

The Stellar logo LED on the SR55 front panel will blink once every 10 seconds to let the user know that all microprocessors in the soft starter are operating properly.

# **CONFIGURATION OVERVIEW**

Configuring the SR55 soft starters for use is as simple as setting the parameters to match your motor, application, power source, etc.

You can configure the SR55 from its touchscreen, from an optional remote touchscreen, or from a PLC using Modbus RTU via the onboard RJ12 port or connected through an optional EtherNet/IP or Modbus TCP communication module.

# AUTO SETUP PROCEDURE

Choose this setup method if you want to quickly change all of the parameters at once to settings that are typical for your general application. You can then adjust some parameters as necessary to fine tune the settings for your specific application.

### SETUP BY INDIVIDUAL PARAMETER SETTINGS

Choose this setup method if you want to change the parameter settings yourself one at a time. The individual parameters are grouped by categories as you scroll through the touchscreen menu.

# **CONFIGURATION FROM TOUCHSCREEN**

Simply touch the on-screen buttons to enter data or to scroll through the SR55 setup menu, using the intuitive "Up," Dn," "BACK," and "NEXT" buttons as necessary. From the home "Menu" screen, select either "Auto Setup" or "Advanced."



The resistive touchscreen requires localized pressure to activate a button and works best if you gently use a blunt stylus-type object to make on-screen selections.



WARNING: DO NOT USE A SHARP OBJECT AND/OR EXCESSIVE FORCE TO MAKE TOUCHSCREEN SELECTIONS, OR YOU MAY DAMAGE THE TOUCHSCREEN.

### **AUTO SETUP PROCEDURE FROM TOUCHSCREEN**

The "Setup Wizard" menu is displayed only the first time the SR55 is powered up. If you are ready to set parameters on the first power-up, select "Auto" from the on-screen Setup Wizard menu, and then follow the on-screen prompts. Refer to the Auto Setup Touchscreen Pictorial Example on the following page.

To set up your parameters following a subsequent start-up of your SR55, select the "Home" menu from the "Status" screen on the touchscreen, choose "Auto Setup," and then follow the on-screen prompts. Refer to the Auto Setup Touchscreen Pictorial Example on the following page.

### INDIVIDUAL PARAMETER SETTINGS FROM TOUCHSCREEN

From the initial "Setup Wizard" or from the Home Menu, choose the "Advanced" parameters and other parameter categories as required for your particular application. Refer to the "Parameter Summary" and "Parameter Details" sections of this chapter for more details.



#### TOUCHSCREEN PICTORIAL EXAMPLE – AUTO SETUP

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# **AUTO SETUP PROCEDURE – PARAMETER SETTINGS**

Choose "Auto" setup from the "Setup Wizard" or from the "Home" menu, and set the following parameter groups:

- 1) Application
- 2) Motor Current Rating
- 3) Control Method
- 4) Digital Input Voltage

The SR55 will automatically set the rest of the parameters as shown in the following table:

	Auto Setup Parameter Settings																					
#	Application	Start pedestal	Stop pedestal	Start time	Soft stop time	Trip Class	Current limit level	Current limit time	Optimize rate	Auto pedestal	Auto End Start 2	Auto End Start 1	Auto End 3	Delta Operation	Auto stop	Soft stop smoothing	spare	Auto ramp	Auto end stop	Impact load	Current limit - stopping	Current limit time - stopping
-	Unit	<b>%</b>	<b>%</b>	<b>s</b>	<b>s</b>	-	FLC	<b>S</b>	-	En	En	En	En	En	En	En	En	En	En	En	FLC	<b>s</b>
	Default	20	10	10	0	20	3.5	30	5	1	0	1	1	1	0	0	0	0	0	0	8	2
	Agitator	20	10	10	0	10	4	25	5	1	0	1	1	1	0	0	0	0	0	0	0	2
2	Agilulor	50	10	10		10	5.5	25	5	1		1		1						0	0	2
3	Centrifugal	35	10	15	0	20	3.5	25	5	1	0	1	1	1	0	0	0	0	0	0	8	2
4	Compressor - Reciprocating	45	10	15	0	20	3.5	25	15	1	0	1	1	1	0	0	0	0	0	0	8	2
5	Compressor - Screw	40	10	15	0	20	3.5	25	5	1	0	1	1	1	0	0	0	0	0	0	8	2
6	Compressor - Vane	35	10	7	0	10	3.5	25	5	1	0	1	0	1	0	0	0	0	0	0	8	2
7	Compressor - Scroll	35	10	7	0	10	3.5	25	15	1	0	1	0	1	0	0	0	0	0	0	8	2
8	Ball mill	40	10	10	0	20	5.5	25	5	1	0	1	0	1	0	0	0	0	0	0	8	2
9	Centrifuge	40	10	10	0	30	2.5	300	5	1	0	1	0	1	0	0	0	0	0	0	8	2
10	Bow Thruster - Zero Pitch	10	10	10	0	10	2.5	25	5	1	1	0	1	1	0	0	0	0	0	0	8	2
11	Bow Thruster - Loaded	10	10	10	0	20	4	25	5	1	1	0	1	1	0	0	1	0	0	0	8	2
12	Conveyor - Unloaded	10	10	10	7	10	3.5	30	5	1	0	1	0	1	1	1	1	0	1	0	2	10
13	Conveyor - Loaded	10	10	10	7	20	5.5	30	5	1	0	1	0	1	1	1	0	0	1	0	2	10
14	Crusher	40	10	10	0	30	3.5	60	5	1	0	1	0	1	0	0	0	0	0	0	8	2
15	Fan - Low Inertia	30	10	15	0	10	3.5	30	5	1	0	1	0	1	0	1	0	0	0	0	8	2
16	Fan - High Inertia	40	10	10	0	30	3.5	60	5	1	0	1	0	1	0	0	0	0	0	0	8	2
17	Feeder - screw	20	10	10	0	10	3.5	25	5	1	0	1	0	1	0	0	0	0	0	0	8	2
18	Grinder	40	10	10	0	20	3.5	40	5	1	0	1	0	1	0	0	0	0	0	0	8	2
19	Hammer mill	40	10	10	0	20	3.5	40	5	1	0	1	0	1	0	0	0	0	0	0	8	2
20	Lathe machines	10	10	15	0	10	3.5	25	5	1	0	1	0	1	0	0	0	0	0	0	8	2
21	Miner Halanda	40	10	10		20	3.5	40	5												8	2
22	Mixer - Unloaded	10	10	10	0	10	3.5	25	5	1	0	1	0	1	0	0	0	0	0	0	8	2
23	Mixer - Loaded	10	10	10	0	20	4	25	5	1	0	1	0	1	0	0	0	0	0	0	8	2
24	Moulding Machine	10	10	10		20	4.5	25	5 5												ð o	2
25	Plastic and textile	40	10	10	0	10	5.5 4.5	25	5	1	0	1	0	1	0	0	1	0	0	1	8	2
27	Press flywhool	10	10	10	0	20	3 5	10	Ę	1	0	1	0	1	0	0	1	0	0	1	0	2
21	Pump -	40	10	10		20	3.5	40	5								1				0	
28	Submersible Centrifugal	10	10	10	60	10	3.5	25	5	1	0	0	0	1	1	1	1	0	1	0	2	25

	Auto Setup Parameter Settings (continued from previous page)																					
#	Application	Start pedestal	Stop pedestal	Start time	Soft stop time	Trip Class	Current limit level	Current limit time	Optimize rate	Auto pedestal	Auto End Start 2	Auto End Start 1	Auto End 3	Delta Operation	Auto stop	Soft stop smoothing	spare	Auto ramp	Auto end stop	Impact load	Current limit - stopping	Current limit time - stopping
-	Unit	%	%	S	S	-	FLC	S	-	En	En	En	En	En	En	En	En	En	En	En	FLC	S
29	Pump - Submersible Rotodynamic	10	10	10	60	10	3.5	25	5	1	0	0	0	1	1	1	1	0	1	0	2	25
30	Pump - Positive displacement Reciprocating	10	10	10	60	20	3.5	25	15	1	0	0	0	1	1	1	0	0	1	0	2	25
31	Pump - Positive displacement Rotary	10	10	10	60	20	3.5	25	15	1	0	0	0	1	1	1	0	0	1	0	2	25
32	Pump Jack	40	10	10	0	20	3.5	40	5	1	0	1	0	1	0	0	0	0	0	1	8	2
33	Rolling mill	40	10	10	0	20	3.5	40	5	1	0	1	0	1	0	0	0	0	0	0	8	2
34	Roots Blower	30	10	10	0	20	4.5	25	5	1	0	1	0	1	0	0	0	0	0	0	8	2
35	Saw - Band	10	10	10	0	10	3.5	25	5	1	0	1	0	1	0	0	0	0	0	0	8	2
36	Saw - Circular	40	10	10	0	20	3.5	40	5	1	0	1	0	1	0	0	0	0	0	0	8	2
37	Screen - vibrating	40	10	10	0	20	4.5	40	5	1	0	1	0	1	0	0	0	0	0	0	8	2
38	Shredder	40	10	10	0	30	3.5	60	5	1	0	1	0	1	0	0	0	0	0	0	8	2
39	Transformers, voltage regulators	10	10	5	0	10	3.5	25	5	0	0	0	0	1	0	0	0	0	0	0	8	2
40	Tumblers	20	10	10	0	20	4	25	5	1	0	1	0	0	0	0	0	0	0	0	8	2
41	Wood chipper	40	10	10	0	30	3.5	60	5	1	0	1	0	0	0	0	0	0	0	0	8	2

# **AUTO RESET FUNCTION**

The Auto Reset function automatically resets a selected number of faults and then attempts a start without user intervention. The time between the resets and the number of reset attempts are both programmable. If the Auto Reset has been successful, the Starter must operate trip free for a set time before the counters are re-initialized. If the number of attempts exceeds the set value, the Auto Reset terminates, and the counters will be re-initialized when the user gives a Reset or Stop signal.



WARNING: WHEN AUTO RESET IS ENABLED, A TRIPPED MOTOR MAY RESTART AUTOMATICALLY AFTER THE RESET DELAY TIME. THIS MAY RESULT IN EQUIPMENT DAMAGE OR PERSONAL INJURY IF THE FUNCTION IS USED IN AN UNSUITABLE APPLICATION. DO NOT USE THIS FUNCTION WITHOUT CONSIDERING APPLICABLE LOCAL, NATIONAL, AND INTERNATIONAL STANDARDS, REGULATIONS, OR INDUSTRY GUIDELINES.

The Auto-Reset function is accessible from the Advanced Menu (see Auto Reset section of parameter summaries on page 3–94):





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					-	
	-	-	-	-	-	
						н.
		-	-	-	-	
ł	-				-	
1	_	_	_	_	_	

NOTE: The status of the Auto-Reset function may be observed in the 'Monitor' menu (third page).



# MAPPING AUTO RESET STATUS TO DIGITAL OUTPUTS

Auto Reset Pending and Auto Reset Exceeded may be mapped to the Digital Outputs (D1 – D4). The selection screen is located in the I/O Menu:

I/O – DIGITAL OUTPUTS – DIGITAL OUTPUT (1 to 4) – SELECT FUNCTION



#### TWO-WIRE, THREE-WIRE AND COMMUNICATIONS CONTROL

The Auto Reset operates with two wire, three wire and communications start/stop. Generally, this is not a problem if the control supply is maintained, although warning should be given that in 3 wire and communications control the motor may start without a direct start signal (although it is implied as no stop had been given during the reset delay period).

### **CONTROL SUPPLY LOSS**

When the control supply is removed, the micro-controller is unable to make calculations in real time. To overcome this the calculations are made retrospectively when the starter powers up.

**<u>Two Wire</u>**: Following a control supply loss the Start signal must be retained (Fig 2).

**<u>Three Wire</u>**: The state of the start signal is saved when the control supply is removed, and if it is set to 'start,' the Auto Reset will continue at power up. When operating in this mode, the motor may start at power up without a start signal being present (Fig 3).

#### **MODBUS/COMMUNICATIONS**

The state of the start signal is saved when the control supply is removed and if it is set to 'start,' the Auto Reset will continue at power up. When operating in this mode, the motor may start at power up without a start signal being present (Fig 3).

Auto Restart Termination: If the time to re-establish the power exceeds the Reset Delay x Reset Attempts, the Auto Reset terminates.

### **OVERLOAD TRIP**

Following an overload trip, the overload will be at 100% and then cool exponentially to 0% after several minutes.

If a restart is attempted too soon, the starter will trip again as the overload would not have cooled to a sufficient level (Fig 5).

The Reset Delay must be long enough to allow the overload to cool. This also applies to the heatsink over-temperature trip.

### **REMOTE START ON TRIP**

If Auto Reset is turned on, the Remote Start On Trip is disabled and will be ignored.

# HAND AUTO

If the Hand Auto option is selected, the Hand selection will override the Auto Reset. The Auto Reset will be terminated, and the counters will be re-initialized.

# Fig 1 : Auto Reset - Two Wire - Three Phase Supply Loss

The timing diagrams show the auto reset with a maintained two wire control system The fault shown is a 3-phase supply loss only, the Control Supply maintained The 3-Phase power is re-established (after the 2nd attempt) before the Reset Attempts counter is depleted This assumes the start signal is maintained, if it is removed the Auto Reset terminates Once power has been re-established there are no further outages and the counters are reset after the trip free time.

3-Phase Supply voltage													
Control Supply													
Start / Stop Input													
Reset Input (1)													
Fault Relay						<u> П</u>		T					
Restart Pending Relay						Ц				1			
Imotor													
Internal Reset						Π				Л			
Reset Attempts PNU =	4		Reset A	Attempts	= 0	Reset Atte	empts = 1	Rese	et Attempts = 2		Reset Attempts = 3		Reset Attempts = 0
				Res	et Delay	Rese	et Delay		Reset Delay		Trip Free Delay		
	t0	t1	t2	t3	t4	t5	t6	t7	t8	t9		t10	
0				_			(5)(140)				<b>1</b> 14	D	8(0)

Se	quence of events
tO	3 phase supply applied
t1	Start signal applied, motor starts
t2	Motor reaches full voltage
t3	3 phase supply removed
t4	Start signal must still be applied
	If it has been removed Auto Reset feature re-initialises
t5	Reset delay = 0 Restart Attempt 1
t6	Rest Signal must be low
	If the trip is reset the Auto Reset feature re-initialises
t7	Reset delay = 0 Restart Attempt 2
t8	3-Phase re-established
t9	Reset delay = 0 Restart Attempt 3
t10	Trip Free Delay = 0 Restart Attempt = 0
	· · · · · · · · · · · · · · · · · · ·

User Parameters (R/W)									
PNU	Range	Default							
Auto Reset	On/Off	Off							
Reset Delay	0-7200s	0s							
Reset Attempts	0-10	0							
Reset Trips	All resettable trip	-							
Trip Free Time	120-7200	600s							

PNU	Range
Reset Attempts Remaining	10-0
Reset Delay Remaining	7200s-0s
Restart Pending	1-0
Trip Free Time Remaining	7200s-0s

#### Notes

For Two Wire control reset occurs automatically when the start signal changes state from low to high, reset shown is programmable reset input (1)

#### Fig 2 : Auto Reset - Two Wire - Control Supply Loss

The timing diagrams show the auto reset with a maintained two wire control system

The fault shown is a 3-phase supply loss and Control supply loss

The 3-Phase power and control supply are re-established (after the 2nd attempt) before the Reset Attempts counter is depleted

This assumes the start signal is maintained, if it is removed the Auto Reset terminates

Once power has been re-established there are no further outages and the counters are reset after the trip free time.

3-Phase Supply voltag	je																		
Control Supply					1					[						 			
Start / Stop Input					1					[									
Reset Input (1)																			
Fault Relay										[									
Restart Pending Relay										[									
Imotor			/		1							_				 			
Internal Reset							Л					Π							
Reset Attempts PNU :	= 4			Reset Att	empts =	0	Reset	Attempts =	1 Res	et Atten	npts = 2		Reset Attempt	ts = 3		Reset /	Attempts = (	)	
					Rese	t Delay	F	Reset Delay		Reset	Delay	Tri	al Time / Trip F	Free Delay	]				
		t0	t1	t2	t3	t4	t5	t6	t7	1	t8	t9			t10				

Sequence of events	User Parameters (R/W)			Monitor Parameters (R/O)						
t0 3 phase supply applied	PNU	Range	Default		PNU	Range				
t1 Start signal applied, motor starts										
t2 Motor reaches full voltage	Auto Reset	On/Off	Off		Reset Attempts Remaining	10-0				
t3 3 phase supply removed	Reset Delay	0-7200s	Os		Reset Delay Remaining	7200s-0s				
t5 Reset delay = 0 Restart Attempt 1	Reset Attempts	0-10	0		Restart Pending	1-0				
t7 Reset delay = 0 Restart Attempt 2	Reset Trips	All resettable tri	-		Trip Free Time Remaining	7200s-0s				
t8 3-Phase re-established	Trip Free Time	120-7200	600s							
Start signal must still be applied		-								
If it has been removed Auto Reset feature re-initialises	Notes									
If the trip is reset the Auto Reset feature re-initialises	The Starter is powered	down between t3 and t	8 (yellow sh	aded regio	on)					
t9 Reset delay = 0 Restart Attempt 3	During this time control	ller is unable to make t	he calculatio	ons in real	time					
t10 Trip Free Delay = 0 Restart Attempt = 0	To overcome this the ca	loulations are made re	trospectivel	y at time t	8					
	The Start Signal must be	e maintained, if it is not	t the Auto Re	estart will b	be terminated					
	For Two Wire control reset occurs automatically when the start signal changes state from low to high, reset shown is programmable									
	reset input (1). If the time to re-establish the power exceeds (Reset Delay x Reset Attempts) to Auto Reset terminates									

# Fig 3 : Auto Reset - Three Wire - Three Phase Supply Loss

The timing diagrams show the auto reset with Three wire / Modbus control

The fault shown is a 3-phase supply loss only, the Control Supply maintained

The 3-Phase power is re-established (after the 2nd attempt ) before the Reset Attempts counter is depleted

This assumes the momentary stop signal is not activated, if it is the Auto Reset terminates

Once power has been re-established there are no further outages and the counters are reset after the trip free time.

o mase capping tomage											
Control Supply											
Start Signal											
Stop Signal											
Reset Input											
Fault Relay			1								
Restart Pending Relay			1								
Imotor											
Internal Reset	Π	Π	Л								
Reset Attempts PNU = 4 Reset Attempts	s = 0 Reset Attempts = 1	Reset Attempts = 2	Reset Attempt	s = 3 Reset A	Attempts = 0						
Reset Delay Reset Delay Reset Delay Trial Time / Trip Free Delay											
Re	set Delay Reset Delay	Reset Delay	Trial Time / Trip F	ree Delay							
Re t0 t1 t2 t3	t4 t5 t6	Reset Delay	Trial Time / Trip F	řee Delay t10							
Re t0 t1 t2 t3 Sequence of events	t4 t5 t6 User Parameters (R/W)	Reset Delay	Trial Time / Trip F	ree Delay t10 Monitor Parameters (R/O)							
t0     t1     t2     t3       Sequence of events	t4 t5 t6 User Parameters (R/W) PNU	Reset Delay	Trial Time / Trip F	t10 Monitor Parameters (R/O) PNU	Range						
t0     t1     t2     t3       Sequence of events       t0     3 phase supply applied       t1     Start signal applied, motor starts	t4 t5 t6 User Parameters (R/W) PNU	Reset Delay t7 t8 Range	Trial Time / Trip F t9 Default	t10 Monitor Parameters (R/O) PNU	Range						
t0     t1     t2     t3       Sequence of events       t0     3 phase supply applied       t1     Start signal applied, motor starts       t2     Motor reaches full voltage	t4 t5 t6 User Parameters (R/W) PNU Auto Reset	Reset Delay t7 t8 Range On/Off	Trial Time / Trip F t9 Default Off	Tee Delay t10 Monitor Parameters (R/O) PNU Reset Attempts Remaining	Range 10-0						
t0     t1     t2     t3       Sequence of events       t0     3 phase supply applied       t1     Start signal applied, motor starts       t2     Motor reaches full voltage       t3     3 phase supply removed	t4 t5 t6 User Parameters (R/W) PNU Auto Reset Reset Delay	Reset Delay t7 t8 Range On/Off 0-7200s	Trial Time / Trip F t9 Default Off 0s	Tree Delay t10 Monitor Parameters (R/O) PNU Reset Attempts Remaining Reset Delay Remaining	Range 10-0 72005-05						
t0     t1     t2     t3       Sequence of events       t0     3 phase supply applied       t1     Start signal applied, motor starts       t2     Motor reaches full voltage       t3     3 phase supply removed       t4     Start signal must still be applied	t4 t5 t6 User Parameters (R/W) PNU Auto Reset Reset Delay Reset Attempts	Reset Delay t7 t8 Range On/Off 0-7200s 0-10	Trial Time / Trip F t9 Default Off 0s 0	Tree Delay t10 Monitor Parameters (R/O) PNU Reset Attempts Remaining Reset Delay Remaining Restart Pending	Range 10-0 7200s-0s 1-0						
t0     t1     t2     t3       Sequence of events       t0     3 phase supply applied       t1     Start signal applied, motor starts       t2     Motor reaches full voltage       t3     3 phase supply removed       t4     Start signal must still be applied       if it has been removed Auto Reset feature re-initialises	t4 t5 t6 User Parameters (R/W) PNU Auto Reset Reset Delay Reset Attempts Reset Trips	Reset Delay t7 t8 Range On/Off 0-7200s 0-10 All resettable tri	Trial Time / Trip F t9 Default Off 0s 0	Tree Delay t10 Monitor Parameters (R/O) PNU Reset Attempts Remaining Reset Delay Remaining Restart Pending Trip Free Time Remaining	Range 10-0 7200s-0s 1-0 7200s-0s						
t0     t1     t2     t3       Sequence of events       t0     3 phase supply applied       t1     Start signal applied, motor starts       t2     Motor reaches full voltage       t3     3 phase supply removed       t4     Start signal must still be applied       if it has been removed Auto Reset feature re-initialises       t5     Reset delay = 0       t6     Reset delay = 0	t4 t5 t6 User Parameters (R/W) PNU Auto Reset Reset Delay Reset Attempts Reset Trips Trip Free Time	Reset Delay t7 t8 Range On/Off 0-7200s 0-10 All resettable tri 120-7200	Trial Time / Trip F t9 Default Off 0s 0 - 600s	Tree Delay t10 Monitor Parameters (R/O) PNU Reset Attempts Remaining Reset Delay Remaining Restart Pending Trip Free Time Remaining	Range 10-0 7200s-0s 1-0 7200s-0s						
t0     t1     t2     t3       Sequence of events       t0     3 phase supply applied       t1     Start signal applied, motor starts       t2     Motor reaches full voltage       t3     3 phase supply removed       t4     Start signal must still be applied       if it has been removed Auto Reset feature re-initialises       t5     Reset delay = 0       t6     Rest Signal must be low       if there is reset the Auto Prost feature re initialises	t4 t5 t6 User Parameters (R/W) PNU Auto Reset Reset Delay Reset Attempts Reset Trips Trip Free Time	Reset Delay t7 t8 Range On/Off 0-7200s 0-10 All resettable tri 120-7200	Trial Time / Trip F t9 Default Off 0s 0 - 600s	t10 Monitor Parameters (R/O) PNU Reset Attempts Remaining Reset Delay Remaining Restart Pending Trip Free Time Remaining	Range 10-0 7200s-0s 1-0 7200s-0s						
t0     t1     t2     t3       Sequence of events       t0     3 phase supply applied       t1     Start signal applied, motor starts       t2     Motor reaches full voltage       t3     3 phase supply removed       t4     Start signal must still be applied       if it has been removed Auto Reset feature re-initialises       t5     Reset delay = 0       t6     Rest Signal must be low       if the trip is reset the Auto Reset feature re-initialises       t7     Reset delay = 0	set Delay Reset Delay t4 t5 t6 User Parameters (R/W) PNU Auto Reset Reset Delay Reset Attempts Reset Trips Trip Free Time Notes	Reset Delay t7 t8 Range On/Off 0-7200s 0-10 All resettable tri 120-7200	Trial Time / Trip F t9 Default Off 0s 0 - 600s	t10 Monitor Parameters (R/O) PNU Reset Attempts Remaining Reset Delay Remaining Restart Pending Trip Free Time Remaining	Range 10-0 7200s-0s 1-0 7200s-0s						
t0     t1     t2     t3       Sequence of events       t0     3 phase supply applied       t1     Start signal applied, motor starts       t2     Motor reaches full voltage       t3     3 phase supply removed       t4     Start signal must still be applied       if it has been removed Auto Reset feature re-initialises       t5     Reset delay = 0       t6     Rest Signal must be low       if the trip is reset the Auto Reset feature re-initialises       t7     Reset delay = 0       t8     3-Phase re-established	t4 t5 t6 User Parameters (R/W) PNU Auto Reset Reset Delay Reset Attempts Reset Trips Trip Free Time Notes	Reset Delay t7 t8 Range On/Off 0-7200s 0-10 All resettable tri 120-7200	Trial Time / Trip F t9 Default Off 0s 0 4- 600s	t10 Monitor Parameters (R/O) PNU Reset Attempts Remaining Reset Delay Remaining Restart Pending Trip Free Time Remaining	Range 10-0 7200s-0s 1-0 7200s-0s						
t0     t1     t2     t3       Sequence of events       t0     3 phase supply applied       t1     Start signal applied, motor starts       t2     Motor reaches full voltage       t3     3 phase supply removed       t4     Start signal must still be applied       if it has been removed Auto Reset feature re-initialises       t5     Reset delay = 0       t6     Rest Signal must be low       if the trip is reset the Auto Reset feature re-initialises       t7     Reset delay = 0       t8     3-Phase re-established       t9     Reset delay = 0	t4 t5 t6 User Parameters (R/W) PNU Auto Reset Reset Delay Reset Attempts Reset Trips Trip Free Time Notes	Reset Delay t7 t8 Range On/Off 0-7200s 0-10 All resettable tri 120-7200	Trial Time / Trip F t9 Default Off 0s 0 4- 600s	t10 Monitor Parameters (R/O) PNU Reset Attempts Remaining Reset Delay Remaining Restart Pending Trip Free Time Remaining	Range 10-0 7200s-0s 1-0 7200s-0s						
t0       t1       t2       t3         Sequence of events         t0       3 phase supply applied         t1       Start signal applied, motor starts         t2       Motor reaches full voltage         t3       3 phase supply removed         t4       Start signal must still be applied         if it has been removed Auto Reset feature re-initialises         t5       Reset delay = 0         t6       Rest Signal must be low         if the trip is reset the Auto Reset feature re-initialises         t7       Reset delay = 0         t8       3-Phase re-established         t9       Reset delay = 0         t10       Trip Free Delay = 0         t10       Trip Free Delay = 0	t4 t5 t6 User Parameters (R/W) PNU Auto Reset Reset Delay Reset Attempts Reset Trips Trip Free Time Notes	Reset Delay t7 t8 Range On/Off 0-7200s 0-10 All resettable tri 120-7200	Trial Time / Trip F t9 Default Off 0s 0 4- 600s	t10 Monitor Parameters (R/O) PNU Reset Attempts Remaining Reset Delay Remaining Restart Pending Trip Free Time Remaining	Range 10-0 7200s-0s 1-0 7200s-0s						

#### Fig 4 : Auto Reset - Three Wire - Control Supply Loss

The timing diagrams show the auto reset with Three wire / Modbus control

The fault shown is a 3-phase supply loss and Control supply loss

The 3-Phase power and control supply are re-established (after the 2nd attempt) before the Reset Attempts counter is depleted

This assumes the momentary stop signal is not activated, if it is the Auto Reset terminates

Once power has been re-established there are no further outages and the counters are reset after the trip free time.

3-Phase Supply voltage				
Control Supply				
Start Signal	Π			
Stop Signal				
Reset Input				
Fault Relay				
Restart Pending Relay				
Imotor				
Internal Reset			Γ	
Reset Attempts PNU =	4 Reset Atte	mpts = 0 Reset Attempts = 1 Reset Atte	mpts = 2 Reset Attempts = 3	Reset Attempts = 0
	I	Reset Delay Reset Delay Reset	t Delay Trial Time / Trip Free Delay	

t0 t1 t2 t3 t4 t5 t6 t7 t8 t9 t10

Sequence of events	User Parameter	rs (R/W)		Monitor Parameters (R/O)					
t0 3 phase supply applied	PNU	Range	Default	PNU	Range				
t1 Start signal applied, motor starts									
t2 Motor reaches full voltage	Auto Reset	On/Off	Off	Reset Attempts Remaining	10-0				
t3 3 phase supply removed	Reset Delay	0-7200s	Os	Reset Delay Remaining	7200s-0s				
t5 Reset delay = 0 Restart Attempt 1	Reset Attempts	0-10	0	Restart Pending	1-0				
t7 Reset delay = 0 Restart Attempt 2	Reset Trips	All resettable	trips-	Trip Free Time Remaining	7200s-0s				
t8 3-Phase re-established	Trip Free Time	120-7200	600s						
Start signal must still be applied		I							
If it has been removed Auto Reset fea	ature re-initialises Notes								
Rest Signal must be low	The controller is	powered down between t3 a	nd t8 ( yellow shad	ed region)					
If the trip is reset the Auto Reset feat	ure re-initialises During this time	controller is unable to make	the calculations in	real time					
t9 Reset delay = 0 Restart Attempt 3	To overcome thi	is the calculations are made r	etrospectively at ti	me t8					
t10 Trip Free Delay = 0 Restart Attempt =	= 0 Start signal state	e saved at power down and lo	aded at power up.	This means it will start without a s	tart signal being present				
	If the time to re-establish the power exceeds (Reset Delay x Reset Attempts) to Auto Reset terminates								

#### Fig 5 : Auto Reset - Two Wire - Overload

The timing diagrams show the auto reset with a maintained two wire control system

The fault shown is an overload trip, the Control Supply maintained

In this instance the Auto Reset clears the trip but the overload (%) will take a certain amount of time to decay

If insufficient time is left before re-starts the overload will trip again repeatably until the Reset Attempts count exceeds it set value.

This must be considered and enough time left to allow the overload to decay to a low level

0. The second second second												
3-Phase Supply Voltag	e											
Control Supply												
Start / Stop Input												
Reset Input (1)												
Fault Relay						1	]					
Restart Pending Relay												
Imotor	otor											
Overload (%)	erioad (%)											
Internal Reset								7	_П		1	
Peret Attemate Phille			Pocot Att	omote =	0	Poset	Attempts = 1	Pasat Attempts = 1	Posot Atto	mote = 2	Pasat Attempts	- 4
Reset Attempts PNO -	4		Neset Att	empts –	0	Nebel	Attempts - 1	Neset Attempts - 7	neset Atte	anpis – a	Neset Attempts	
				Reset	Delay	R	eset Delay	Reset Delay	Reset	Delay		
	t0	t1	t2	t3	t4	t5	t6	t7 t8	t9		t10	
Sequence of events					User P	aramete	ers (R/W)			Ţ	Monitor Parameters (R/O)	
t0 3 phase supply app	olied				PNU			Range	Default	1	PNU	Range
t1 Start signal applied	d, motor starts									1		
12 Motor reaches full voltage				Auto R	eset		On/Off	Off		Reset Attempts Remaining	10-0	
3 3 phase supply removed			Reset [	Delay		0-7200s	0s		Reset Delay Remaining	7200s-0s		
4 Start signal must still be applied			Reset /	Attempts	i	0-10	0		Restart Pending	1-0		
If it has been removed Auto Reset feature re-initiali			re-initialis	25	Reset 1	Trips		All resettable trip	)s -		Trip Free Time Remaining	7200s-0s
t5 Reset delay = 0 Re	start Attempt 1	I			Trip Fr	ee Time		120-7200	600s			
t6 Rest Signal must be	lest Sanal must be low											

#### Notes In this instance the starter has failed to Auto Restart in the set number of attempts

t7 Reset delay = 0 Restart Attempt 2

If the trip is reset the Auto Reset feature re-initialises

t8 3-Phase re-established

t9 Reset delay = 0 Restart Attempt 3

t10 Trip Free Delay = 0 Restart Attempt = 0

The starter will remain in the tripped state until reset

To overcome this the Reset Delay time should be extended to allow the overload to cool

For Two Wire control reset occurs automatically when the start signal changes state from low to high, reset shown is programmable reset input (1)

# **PARAMETER SUMMARY**

# SUMMARY OF PARAMETERS NOT CONFIGURABLE THROUGH TOUCHSCREEN MENU

These parameters are configurable through network communications.

	Summary – Paramet	ers Not	<b>Configurable Thro</b>	ugh Toı	uchscre	en		
Current		11	Damas	Read /	Modbus		Default	User
Group	Parameter	Units	kange	Write	Address	Hex	Setting	Setting
Control Commands	P0.0 – Start/Stop	toggle	OFF (Stop) / ON (Start)	R/W	17920	4600	OFF	
(for Digital Inputs)	P0.1 – Freeze Ramp	toggle	OFF / ON	R/W	18240	4740	OFF	
[detailed info starts	P0.2 – Reset	toggle	OFF / ON	R/W	18368	47C0	OFF	
page 3-25	P0.3 – External Trip	toggle	OFF / ON	R/W	18880	49C0	OFF	
	P0.4 – Ready	-	OFF / ON	Read	37184	9140	OFF	-
	P0.5 – Enabled	-	OFF / ON	Read	37248	9180	OFF	-
Status Indications	P0.6 – Error	-	OFF / ON	Read	37312	91C0	OFF	-
Status matcations	P0.7 – Running	-	OFF / ON	Read	37632	9300	OFF	-
[detailed info starts	P0.8 – End Of Start	-	OFF / ON	Read	37760	9380	OFF	-
page 3-26	P0.9 – Current Limit	-	OFF / ON	Read	37824	93C0	OFF	-
	P0.10 – iERS Active	-	OFF / ON	Read	38080	94C0	OFF	-
	P0.12 – I/O Status Register	-	0 to 255	Read	62016	F240	OFF	-
Block Transfer	P0.20~P0.35 – Block Transfer Address Pointers	-	0 to 65535	R/W	17600 ~17615	44C0 ~44CF	OFF	
[detailed info starts page 3-24]	P0.40~P0.55 – Block Transfer Data Locations	-	0 to 4,294,967,295	R/W	17664 ~17694	4500 ~451E	OFF	

#### SUMMARY OF PARAMETERS FOR AUTO SETUP

		Summary – Para	meters	for Touchscreen Setup - "Au	to Setu	p" Cate	gory		
	Croup	Darameter	Unite	Panao	Read /	Modbus		Default	User
	Group	Parameter	Units	Kange	Write	Address	Нех	Setting	Setting
		P0.11 – Application	n/a	See the previous "Auto Setup Parameter Settings" table ( <u>page 3–4</u> )	R/W	19200	4B00	Default	
Auto Setup	Auto Setup [detailed info starts page 3-30]	P5.1 – Trip Class (Automatically selected from Application selection)	n/a	10, 20, 30	R/W	25664	6440	10	
		P5.0 – Motor Current	A	10% to 100% of SR55 rated current	R/W	25728	6480	100%	
		P7.0 – Control Method	n/a	Local Touch Screen User Programmable Two Wire Control Three Wire Control Modbus Network	R/W	59392	E800	Local Touch Screen	
		P10.0 – Digital Input Voltage	v	230VAC, 110VAC, 24VDC	R/W	10880	2A80	230VAC	

#### SUMMARY OF PARAMETERS FOR INDIVIDUAL PARAMETER SETUP

(GROUPED BY TOUCHSCREEN NAVIGATION)

		Summary – Parameter	rs for T	ouchscreen Setup – "Ac	dvance	d" Cat	egory	,	
	Group	Parameter	Unite	Panae	Read /	Modbus		Default	User
	Group	ruiumeter	Omus	Kunge	Write	Address	Нех	Setting	Setting
	P1.0 – Save Par	ameters	toggle	NO / YES	R/W	62144	F2C0	NO	
Category - Advanced		P2.0 – Automatic Pedestal	toggle	OFF / ON	R/W	19840	4D80	OFF	
		P2.1 – Automatic Ramp	toggle	OFF / ON	R/W	20352	4F80	OFF	
		P2.2 – Automatic End Start (1)	toggle	OFF / ON	R/W	19968	4E00	OFF	
		P2.3 – Automatic Stop	toggle	OFF / ON	R/W	20160	4EC0	OFF	
	(P2)	P2.4 – Automatic Stop Profile	%	0 to 100	R/W	20608	5080	50	
	Automatic	P2.5 – Automatic End Stop	toggle	OFF / ON	R/W	20416	4FC0	OFF	
	Idetailed info	P2.6 – Automatic Impact Load	toggle	OFF / ON	R/W	20480	5000	OFF	
	starts page	P2.7 – Auto Smooth Stop	toggle	OFF / ON	R/W	20224	4F00	OFF	
	3-32	P2.8 – Auto Smoothing Level	%	10 to 100	R/W	20672	50C0	50	
		P2.9 – Automatic End Start (2)	toggle	OFF / ON	R/W	19904	4DC0	OFF	
pəo		P2.10 – Automatic End Start (3)	toggle	OFF / ON	R/W	20032	4E40	OFF	
Advance		P2.11 – Rate End Start (3)	%	0 to 100	R/W	768	0300	50	
		P3.0 – Start Time	s	1 to 300	R/W	7104	1BC0	10	
į		P3.1 – Start Pedestal	%	10 to 100	R/W	704	02C0	20	
egor)		P3.2 – Start Current Limit → Start Current Limit Trip	toggle	OFF / ON	R/W	53790	D21E	ON	
Cat	(P3) Start	P3.3 – Start Current Limit → Start Current Limit Level	А	100% mtr FLA to 450% SR55 rated A	R/W	26880	6900	350% mtr FLA	
	Settings	P3.4 – Start Current Limit → Start Current Limit Time	s	1 to 300	R/W	26944	6940	30	
	starts page <u>3–35</u> ]	P3.5 – Kick Start → Kick Start	toggle	OFF / ON	R/W	320	0140	OFF	
		P3.6 – Kick Start Time	ms	10 to 2,000	R/W	7040	1B80	100	
		P3.7 – Kick Start → Kick Start Pedestal	%	30 to 80	R/W	640	0280	75	
		P3.8 – Contactor Delay	ms	20 to 800	R/W	8320	2080	160	
		P4.0 – Stop Time	s	0 to 300	R/W	7296	1C80	0	
	(04)	P4.1 – Stop Pedestal	%	10 to 40	R/W	896	0380	10	
	(F4) Stop Settings	P4.2 – Stop Current Limit → Stop Current Limit Trip	toggle	OFF / ON	R/W	53791	D21F	OFF	
	[detailed info starts <u>page</u> <u>3–38</u> ]	P4.3 – Stop Current Limit → Stop Current Limit Level	A	100% mtr FLA to 450% SR55 rated A	R/W	28800	7080	350% mtr FLA	
		P4.4 – Stop Current Limit → Stop Current Limit Time	s	1 to 300	R/W	28864	70C0	10	

# PARAMETERS FROM "ADVANCED" MENU CATEGORY – SUMMARY

		Summary – Paramete	ers for Tou	chscreen Setup – "Advanced" Cat	egory (cor	tinued)			
	<b>C</b>	Doment of the second se			Read /	Modbus		Default	User
-	Group	Parameter	Units	kange	Write	Address	Hex	Setting	Setting
		P5.0 – Motor Current	A	10% to 100% of SR55 rated A	R/W	25728	6480	100%	
Category - Advanced		P5.1 – Trip Class	class	10, 20, 30	R/W	25664	6440	10	
		Low Current Settings → P5.2 – Low Current Trip	toggle	OFF / ON	R/W	53787	D21B	OFF	
		Low Current Settings → P5.3 – Low Current Trip Level	A	25% to 100% of motor FLA	R/W	26304	66C0	25%	
	(P5) Motor	Low Current Settings → P5.4 – Low Current Trip Time	ms	100 to 9,000	R/W	26368	6700	100	
	Protection	Shearpin Settings → P5.5 – Shearpin Trip	toggle	OFF / ON	R/W	53793	D221	ON	
	starts page 3–39]	Shearpin Settings → P5.6 – Shearpin Trip Current	А	100% mtr FLA to 450% SR55 rated A	R/W	27584	6BC0	450% SR55 A	
		Shearpin Settings → P5.7 – Shearpin Trip Time	ms	100 to 9,000	R/W	27648	6C00	100	
		Overload Settings → P5.8 – Overload Trip	toggle	OFF / ON	R/W	53792	D220	ON	
		Overload Settings → P5.9 – Overload Level	А	50% to 125% of motor FLA	R/W	28224	6E40	115%	
		P6.0 – iERS	toggle	OFF / ON	R/W	21120	5280	ON *	
	(P6)	P6.1 – Dwell Time	s	1 to 300	R/W	7360	1CC0	5	
	iERS	P6.2 – iERS Rate	%	0 to 100	R/W	21184	52C0	25	
	falataile al infa	P6.3 – iERS Level	%	0 to 100	R/W	21376	5380	100	
	starts page	P6.4 – Fixed Voltage (Level)	v	100 to 500	R/W	35200	8980	500	
	<u>3–42]</u>	P6.5 – Fixed Voltage	toggle	OFF / ON	R/W	35264	89C0	OFF	
		* NOTE: iERS (P6.0) default	setting is	"OFF" beginning in firmware	version	59.35.			
- Advanced	(P7) [detailed info page 3-44]	P7.0 – Control Method	-	Local Touch Screen User Programmable Two Wire Control Three Wire Control Modbus Network	R/W	59392	E800	Local Touch Screen	
2		P8.0 – Trip Sensitivity	%	0 to 100	R/W	44864	AF40	0	
ba		P8.1 – Cover Open Trip	toggle	OFF / ON	R/W	53803	D22B	OFF	
ate		P8.2 – Shearpin Trip	toggle	OFF / ON	R/W	53793	D221	ON	
		P8.3 – Overload Trip	toggle	OFF / ON	R/W	53792	D220	ON	
		P8.4 – Low Current Trip	toggle	OFF / ON	R/W	53787	D21B	OFF	
		P8.5 – Start Current Limit Trip	toggle	OFF / ON	R/W	53790	D21E	ON	
		P8.6 – Stop Current Limit Trip	toggle	OFF / ON	R/W	53791	D21F	OFF	
		P8.7 – PTC Motor Thermistor Trip	toggle	OFF / ON	R/W	53794	D222	OFF	
		P8.8 – L1-L2-L3 Trip	toggle	OFF / ON	R/W	53808	D230	OFF	
		P8.9 – L1-L3-L2 Trip	toggle	OFF / ON	R/W	53807	D22F	OFF	
	(P8)	P8.10 – Remote Start Trip	toggle	OFF / ON	R/W	53804	D22C	ON	
	Trip Settings	P8.11 – Current Sensor Trip	toggle	OFF / ON	R/W	53775	D20F	OFF	
	[detailed info	P8.12 – Fan Trip	toggle	OFF / ON	R/W	53782	D216	ON	
	starts page	P8.13 – Communications Trip	toggle	OFF / ON	R/W	53796	D224	ON	
	<u>5-45</u>	P8.14 – Shut Down (1)	toggle	OFF / ON	R/W	53769	D209	ON	
		P8.15 – Shut Down (2)	toggle	OFF / ON	R/W	53770	D20A	ON	
		P8.16 – Thyristor Firing Trip	toggle	OFF / ON	R/W	53774	D20E	ON	
		P8.17 – Motor Side Phase Loss	toggle	OFF / ON	R/W	53777	D211	ON	
		P8.18 – Sensing Fault Trip	toggle	OFF / ON	R/W	53781	D215	ON	
		P8.19 – Thermal Sensor Trip	toggle	OFF / ON	R/W	53768	D208	ON	
		P8.20 – External Trip Enable	toggle	OFF / ON	R/W	53795	D223	OFF	
		P8.21 – Main Board Trip	toggle	OFF / ON	R/W	53800	D228	ON	
		P8.22 – Keypad Trip	toggle	OFF / ON	R/W	53798	D226	OFF	
		P8.23 – Logging Trip	toggle	OFF / ON	R/W	53799	D227	OFF	
		P8.24 – Input Side Phase Loss	toggle	OFF / ON	R/W	53762	D202	ON	

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# **Chapter 3: Configuration and Parameters VAUTOMATIONDIRECT**

		Summary – Paramete	ers for Tou	chscreen Setup – "Advanced" Cate	gory (con	tinued)			
	Group	Baramotor	Unite	Panao	Read /	Modbus		Default	User
	Group	Furumeter	Units	Kunge	Write	Address	Hex	Setting	Setting
	<b>(P9)</b> [page 3–52]	P9.0 – Firing Mode	toggle	In-Delta / In-Line	R/W	128	0080	In-Line	
₹		P9.1 – Legacy Delta Mode	toggle	OFF / ON	R/W	192	00C0	OFF	
Ă		P9.2 – Main Contactor Control	toggle	OFF / ON	R/W	14144	3740	OFF	
		P9.3 – Hand-Auto Control	toggle	OFF / ON	R/W	28160	6E00	OFF	

# PARAMETERS FROM "I/O" MENU CATEGORY – SUMMARY

		Summary – Paramete	ers for T	ouchscreen Setup – "	I/O" Ca	tegory			
	Group	Parameter	Units	Ranae	Read /	Modbus	1	Default	User
	oroup	, and meter	Units	nunge	Write	Address	Hex	Setting	Setting
		P10.0 – Digital Input Voltage	V	230VAC, 110VAC, 24VDC	R/W	10880	2A80	230VAC	
		P7.0 – Control Method	_	Local Touch Screen User Programmable Two Wire Control Three Wire Control Modbus Network	R/W	59392	E800	Local Touch Screen	
	(P10) Digital Inputs	P10.1 – Digital Input 1 (D1-1I) → Select Function	-	Off Start / Stop Freeze Ramp Reset iERS External Trip	R/W	10944	2AC0	Start / Stop	
Category – I/O	[detailed info starts	P10.2 – Digital Input 1 (D1-1I) → High Input =1 Sets Value	toggle	OFF / ON	R/W	11264	2C00	ON	
	<u>page 3–54</u> ]	P10.3 – Digital Input 2 (D1-2I) → Select Function	-	same as DI1 function selections	R/W	10945	2AC1	OFF	
		P10.4 – Digital Input 2 (D1-2I) $\rightarrow$ High Input =1 Sets Value	toggle	OFF / ON	R/W	11266	2C02	ON	
		P10.5 – Digital Input 3 (D2-1I) → Select Function	-	same as DI1 function selections	R/W	10946	2AC2	Reset	
		P10.6 – Digital Input 3 (D2-1I) → High Input =1 Sets Value	toggle	OFF / ON	R/W	11268	2C04	ON	
	(P11)	P11.0 – Digital Output 1 N/C (12) → Select Function	_	Off Ready Enabled Error Running End Of Start Current Limit iERS Active Auto Reset Pending Auto Reset Exceeded Shearpin Low Current	R/W	11584	2D40	Error	
	Digital Outputs	P11.1 – Digital Output 1 N/C (12) → High Output =1 When Value	toggle	OFF / ON	R/W	11904	2E80	ON	
	[detailed info starts	P11.2 – Digital Output 2 N/O (24) $\rightarrow$ Select Function	-	same as DO1 function selections	R/W	11585	2D41	Error	
	<u>page 3–57</u> ]	P11.3 – Digital Output 2 N/O (24) → High Output =1 When Value	toggle	OFF / ON	R/W	11906	2E82	ON	
		P11.4 – Digital Output 3 N/O (34) $\rightarrow$ Select Function	-	same as DO1 function selections	R/W	11586	2D42	Run- ning	
		P11.5 – Digital Output 3 N/O (34) → High Output =1 When Value	toggle	OFF / ON	R/W	11908	2E84	ON	
		P11.6 – Digital Output 4 N/O (44) → Select Function	-	same as DO1 function selections	R/W	11587	2D43	End Of Start	
		P11.7 – Digital Output 4 N/O (44) → High Output =1 When Value	toggle	OFF / ON	R/W	11910	2E86	ON	
	(P12)	P12.0 – Analog Input Type	toggle	0–10V / 4–20mA	R/W	9600	2580	0-10V	
	Analog Inputs [detailed info starts	P12.1 – Select Function	_	Off Current Limit Start Current Shearpin Current Overload	R/W	9664	25C0	OFF	
	page 3-60]	P12.2 – Scaling Level	-	0 to 16,384	R/W	9728	2600	16,384	

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		Parameter Summary for	Touchsc	reen Setup – "I/O" Categ	ory (co	ntinued)			
_	Group	Parameter	Unite	Panae	Read /	Modbus		Default	User
	Group	rurumeter	Units	Kunge	Write	PNU	Hex	Setting	Setting
	(P13)	P13.0 – Analog Output Type	toggle	0–10V / 4–20mA	R/W	8960	2300	0–10V	
- 1/0	Analog Outputs [detailed info starts	P13.1 – Select Function	-	Off Current Measured Overload Overload SCR P-Total	R/W	9024	2340	OFF	
2	<u>page 3–61</u> ]	P13.2 – Scaling Level	-	0 to 16,384	R/W	9088	2380	0	
Categor	( <b>P14)</b> [details page 3–62]	P14.0 – PTC Motor Thermistor Trip	toggle	OFF / ON	R/W	53794	D222	OFF	

# **Chapter 3: Configuration and Parameters VAUTOMATIONDIRECT**

# PARAMETERS FROM "MONITOR" MENU CATEGORY – SUMMARY

	Summary – Parameters for Touchscreen Setup – "Monitor" Category												
	Group	Parameter	Units	Range	Read / Write	Modbus Address	Hex	Default Setting	User Setting				
		P15.0 – Line Frequency	Hz	45 to 65	Read	32000	7D00	n/a	-				
		P15.1 – Phase Rotation	-	L1-L2-L3 or L1-L3-L2	Read	32064	7D40	L1-L2-L3	-				
		P15.2 – I1	А	0 to 10,000	Read	33536	8300	0	-				
		P15.3 – I2	А	0 to 10,000	Read	33538	8302	0	-				
		P15.4 – I3	А	0 to 10,000	Read	33540	8304	0	-				
	(P15) Monitoring	P15.5 – Current I rms	A	0 to 10,000	Read	32896	8080	0	-				
		P15.6 – V rms (Approx)	V	0 to 500	Read	32960	80C0	0	-				
tor		P15.7 – Real Power Factor	-	0 to 1	Read	33024	8100	0	-				
oni		P15.8 – True Power P	kW	0 to 10,000	Read	34688	8780	0	-				
2		P15.9 – Apparent Power S	kVA	0 to 10,000	Read	34816	8800	0	-				
N.	Honttoring	P15.10 – Reactive Power Q	kVAR	0 to 10,000	Read	34944	8880	0	-				
ego	[detailed info	P15.11 – iERS Saving Level	%	0 to 100	Read	35008	88C0	0	-				
at	<u>3–63]</u>	P15.12 – Delay Angle	degree	0° to 55°	Read	22400	5780	0	-				
		P15.13 – Backstop	degree	0° to 55°	Read	23040	5A00	0	-				
		P15.14 – Delay Max	degree	0° to 55°	Read	22464	57C0	0	-				
		P15.15 – Pres PF Degrees	degree	0° to 90°	Read	21824	5540	0	-				
		P15.16 – Ref PF Degrees	degree	0° to 90°	Read	21760	5500	0	-				
		P15.17 – Start Saving Level	%	50% to 80% of mtr FLA	Read	21320	5348	80%	-				
		P18.0 – Last Peak (Start) Current	А	0 to 10,000	Read	38400	9600	0	-				
		P15.18 – HeatSink Temp	°C	-20°C to 80°C	Read	36544	8EC0	ambient	-				
	F	P15.19 – Motor Thermistor	-	0 to 1024	Read	10432	28C0	0	-				
		P15.20 – Overload	%	0 to 100	Read	33408	8280	0	-				

		Summary – Parameters fe	or Tou	chscreen Setup – '	"Log" C	ategory	/						
	Group	Parameter	Units	Ranae	Read /	Modbus	1	Default	User				
					Write	Address	Hex	Setting	Setting				
		P16.0 – (Event Time) Last Peak Start Current / Last Temperature / Last Overload			Read	38464	9640		-				
		P16.1 – (Event Time) Last Peak Start Current / Last Temperature / Last Overload -1			Read	38467	9643		-				
		P16.2 – (Event Time) Last Peak Start Current / Last Temperature / Last Overload -2			Read	38470	9646		-				
	(P16)* Event Times	P16.3 – (Event Time) Last Peak Start Current / Last Temperature / Last Overload -3			Read	38473	9649		-				
	for Last Peak Start Currents, Last	P16.4 – (Event Time) Last Peak Start Current / Last Temperature / Last Overload -4	hh :	Time since midnight;	Read	38476	964C	CMT	-				
	Temperatures, Last Overloads	P16.5 – (Event Time) Last Peak Start Current / Last Temperature / Last Overload -5	: ss	Days since 01/01/1984	Read	38479	964F	-	-				
	[detailed info starts <u>page 3–69</u> ]	P16.6 – (Event Time) Last Peak Start Current / Last Temperature / Last Overload -6			Read	38482	9652		-				
		P16.7 – (Event Time) Last Peak Start Current / Last Temperature / Last Overload -7			Read	38485	38485 9655		-				
y – Log		P16.8 – (Event Time) Last Peak Start Current / Last Temperature / Last Overload -8			Read	38488	9658		-				
Categor		P16.9 – (Event Time) Last Peak Start Current / Last Temperature / Last Overload -9			Read	38491	965B		-				
Ŭ	* P16 event times are associated with parameters P18, P20, and P21, and the times are displayed on each of those I												
		P17.0 – Last Trip	-	0 to 65,535	Read	60608	ECC0	0	-				
		P17.1 – Last Trip -1	-	0 to 65,535	Read	60609	ECC1	0	-				
		P17.2 – Last Trip -2	-	0 to 65,535	Read	60610	ECC2	0	-				
	(P17)	P17.3 – Last Trip -3	-	0 to 65,535	Read	60611	ECC3	0	-				
	Trip Log	P17.4 – Last Trip -4	-	0 to 65,535	Read	60612	ECC4	0	-				
	[detailed info	P17.5 – Last Trip -5	-	0 to 65,535	Read	60613	ECC5	0	-				
	starts page 3–72	P17.6 – Last Trip -6	-	0 to 65,535	Read	60614	ECC6	0	-				
		P17.7 – Last Trip -7	-	0 to 65,535	Read	60615	ECC7	0	-				
		P17.8 – Last Trip -8	-	0 to 65,535	Read	60616	ECC8	0	-				
		P17.9 – Last Trip -9	-	0 to 65,535	Read	60617	ECC9	0	-				
		P18.0 – Last Peak (Start) Current	A	0 to 10,000	Read	38400	9600	0	-				
		P18.1 – Last Peak Start Current -1	A	0 to 10,000	Read	38402	9602	0	-				
		P18.2 – Last Peak Start Current -2	A	0 to 10,000	Read	38404	9604	0	-				
	(P18) Stort Connect Los	P18.3 – Last Peak Start Current -3	A	0 to 10,000	Read	38406	9606	0	-				
	Start Current Log	P18.4 – Last Peak Start Current -4	A	0 to 10,000	Read	38408	9608	0	-				
	[detailed info	P18.5 – Last Peak Start Current -5	A	0 to 10,000	Read	38410	960A	0	-				
	starts page 3-75	P18.6 – Last Peak Start Current -6	A	U to 10,000	Read	38412	960C	0	-				
		P18.7 – Last Peak Start Current -7	A	0 to 10,000	Read	38414	960E	0	-				
		P18.8 – Last Peak Start Current -8	A	0 to 10,000	Read	38416	9610	0	-				
		P18.9 – Last Peak Start Current -9	А	U to 10,000	Read	38418	9612	0	-				

### PARAMETERS FROM "LOG" MENU CATEGORY – SUMMARY

	Summary – Parameters for Touchscreen Setup – "Log" Category (continued)									
	Group	Paramotor	Ilnite	Panao	Read /	Modbus		Default	User	
_	Group	Furumeter	Units	кипде	Write	Address	Hex	Setting	Setting	
		P19.0 – Last Peak Stop Current	А	0 to 10,000	Read	39040	9880	0	-	
		P19.1 – Last Peak Stop Current -1	А	0 to 10,000	Read	39042	9882	0	-	
		P19.2 – Last Peak Stop Current -2	А	0 to 10,000	Read	39044	9884	0	-	
	(P19)	P19.3 – Last Peak Stop Current -3	А	0 to 10,000	Read	39046	9886	0	-	
	Stop Current Log	P19.4 – Last Peak Stop Current -4	А	0 to 10,000	Read	39048	9888	0	-	
	[detailed info	P19.5 – Last Peak Stop Current -5	А	0 to 10,000	Read	39050	988A	0	-	
	starts page 3-78]	P19.6 – Last Peak Stop Current -6	А	0 to 10,000	Read	39052	988C	0	-	
		P19.7 – Last Peak Stop Current -7	А	0 to 10,000	Read	39054	988E	0	-	
		P19.8 – Last Peak Stop Current -8	А	0 to 10,000	Read	39056	9890	0	-	
		P19.9 – Last Peak Stop Current -9	А	0 to 10,000	Read	39058	9892	0	-	
		P20.0 – Last Temperature	°C	-20°C to 80°C	Read	39680	9B00	ambient	-	
		P20.1 – Last Temperature -1	°C	-20°C to 80°C	Read	39681	9B01	ambient	-	
		P20.2 – Last Temperature -2	°C	-20°C to 80°C	Read	39682	9B02	ambient	-	
	(P20) Temperature Log	P20.3 – Last Temperature -3	°C	-20°C to 80°C	Read	39683	9B03	ambient	-	
		P20.4 – Last Temperature -4	°C	-20°C to 80°C	Read	39684	9B04	ambient	-	
б	[detailed info	P20.5 – Last Temperature -5	°C	-20°C to 80°C	Read	39685	9B05	ambient	-	
- 10	starts page 3-81]	P20.6 – Last Temperature -6	°C	-20°C to 80°C	Read	39686	9B06	ambient	-	
2		P20.7 – Last Temperature -7	°C	-20°C to 80°C	Read	39687	9B07	ambient	-	
06		P20.8 – Last Temperature -8	°C	-20°C to 80°C	Read	39688	9B08	ambient	-	
ate		P20.9 – Last Temperature -9	°C	-20°C to 80°C	Read	39689	9B09	ambient	-	
0		P21.0 – Last Overload	%	0 to 100	Read	40320	9D80	0	-	
		P21.1 – Last Overload -1	%	0 to 100	Read	40321	9D81	0	-	
		P21.2 – Last Overload -2	%	0 to 100	Read	40322	9D82	0	-	
	(P21)	P21.3 – Last Overload -3	%	0 to 100	Read	40323	9D83	0	-	
	Overload Log	P21.4 – Last Overload -4	%	0 to 100	Read	40324	9D84	0	-	
	[detailed info	P21.5 – Last Overload -5	%	0 to 100	Read	40325	9D85	0	-	
	starts page 3-85]	P21.6 – Last Overload -6	%	0 to 100	Read	40326	9D86	0	-	
		P21.7 – Last Overload -7	%	0 to 100	Read	40327	9D87	0	-	
		P21.8 – Last Overload -8	%	0 to 100	Read	40328	9D88	0	-	
		P21.9 – Last Overload -9	%	0 to 100	Read	40329	9D89	0	-	
	(P22) Totals Log [page 3–87]	P22.0 – Number of Starts	-	0 to 4,294,836,225	Read	35840	8C00	0	-	
	( <b>P23)</b> [page 3–87]	P23.0 – Download Log File	-	-	R/W	n/a	n/a	-		
	( <b>P24)</b> [page 3–87]	P24.0 – Clear Trip Log	-	-	R/W	n/a	n/a	-		

# **Chapter 3: Configuration and Parameters VAUTOMATIONDIRECT**

Crown	Devenuetor	Unite	Damaa	Read /	Modbus		Default	User
Group	Parameter	Units	Range	Write	Address	Hex	Setting	Settin
	P25.0 – Update Firmware	-	-	R/W	-	-	-	
(025)	P25.1 – Date	-	current date	R/W	-	-	-	
(F25)	P25.2 – Time	hh:mm:ss	GMT / local	R/W	14720	3980	GMT	
[detailed info starts page <u>3–88</u> ; <b>See</b>	P25.3 – Language	-	refer to the "Parameter Details" section for list of available languages	R/W	13376	3440	English	
P25.4 PASSCODE WARNING!]	P25.4 – Passcode	-	0 to 255 per Byte	R/W	12864 12865 12866 12867	3240 3241 3242 3243	n/a	
	P25.5 – Backlight Timeout	s	0 to 3,600	R/W	14208	3780	60	
	P26.0 – Modbus Network Address	-	1 to 32	R/W	16000	3E80	1	
	P26.1 – Modbus Network Baud Rate	Baud	9,600 19,200 38,400 57,600 115,200	R/W	16064	3EC0	19,200	
(P26) Networks	P26.2 – Modbus Network Parity	-	none / odd / even	R/W	16128	3F00	even	
[detailed info starts <u>page</u>	P26.3 – Modbus Network Traffic LEDs	toggle	OFF / ON	R/W	14080	3700	OFF	
<u>3–90</u> ]	P26.4 – Anybus / ModbusTCP / EtherNetIP	_	Address Serial Number Firmware Version Connection	Read	-	-	-	-
	P26.5 – Timeout	ms	0 to 60,000	R/W	15808	3DC0	5,000	
	P26.6 – Communications Shutdown	toggle	OFF / ON	R/W	53802	D22A	ON	
	P27.0 – Reset Defaults	-	Yes / No	R/W	62080	F280	No	
(P27)	P27.1 – About	-	SR55 model #, serial #, software versions	Read	_	-	-	-
[detailed info	P27.2 – Screen Lock	toggle	OFF / ON	R/W	12992	32C0	OFF	
starts page <u>3–92</u> ; See	P27.3 – Date Format	-	dd/mm/yyyy mm/dd/yyyy	R/W	13248	33C0	dd/mm/yyyy	
P27.0 & P27.	2 P27.4 – Temperature Format	degrees	°C / °F	R/W	13312	3400	°C	
PASSCODE	P27.5 – Parameters to USB		Yes / No	R/W	62272	F340	No	
WARNINGS!	P27.6 – Parameters from USB		Yes / No	R/W	62336	F380	No	
	P27.7 – Service Code	for manufa	icturer's use only		13120	3340		

#### PARAMETERS FROM "DEVICE" MENU CATEGORY – SUMMARY

		Summary – Param	eters for To	ouchscreen Setup	– Auto R	eset Ca	tegory	/	
	Group	Parameter	Unite	Panae	Read /	Modbus		Default	User
	Group	ruiumeter	Ontes	Kunge	Write	Address	Hex	Setting	Setting
		Auto Reset	N/A	OFF/ON	R/W	20736	5100	Off	
		Reset Delay	s	0 to 7200	R/W	20737	5101	0	
		Reset Attempts	N/A	0 to 10	R/W	14144	3740	0	
		Trip Free Time	s	0 to 7200	R/W	20736	5100	600	
		Input Side Phase Loss	N/A	OFF/ON	R/W	20800	5140	ON	
		Thermal	N/A	OFF/ON	R/W	20801	5141	ON	
		Thyristor Firing	N/A	OFF/ON	R/W	20802	5142	ON	
		Motor Side Phase Loss	N/A	OFF/ON	R/W	20803	5143	ON	
		Control Voltage Low	N/A	OFF/ON	R/W	20805	5145	ON	
set		Sensing Fault	N/A	OFF/ON	R/W	20806	5146	ON	
Re		Fan	N/A	OFF/ON	R/W	20809	5149	ON	-
uto		Low Current	N/A	OFF/ON	R/W	20810	514A	ON	
A		Current Limit Time Out	N/A	OFF/ON	R/W	20811	514B	ON	
5		Overload	N/A	OFF/ON	R/W	20812	514C	ON	
0 Ga		Shearpin	N/A	OFF/ON	R/W	20813	514D	ON	-
at		PTC Thermistor	N/A	OFF/ON	R/W	20814	514E	ON	
		External	N/A	OFF/ON	R/W	20815	514F	ON	
		Communications	N/A	OFF/ON	R/W	20813	5150	ON	
		Bypass	N/A	OFF/ON	R/W	20817	5151	ON	
		Cover	N/A	OFF/ON	R/W	20818	5152	OFF	
		Phase Rotation	N/A	OFF/ON	R/W	20820	5154	OFF	
		Operation 4	N/A	OFF/ON	R/W	20821	5155	ON	
		Current Sensor	N/A	OFF/ON	R/W	20822	5156	ON	
		Operation 3	N/A	OFF/ON	R/W	20823	5157	ON	
		Operation 1	N/A	OFF/ON	R/W	20824	5158	ON	
		Operation 2	N/A	OFF/ON	R/W	20825	5159	ON	
		Operation 5	N/A	OFF/ON	R/W	20826	515A	ON	

#### PARAMETERS FROM "AUTO RESET" MENU CATEGORY – SUMMARY

# **BLOCK TRANSFER PARAMETERS**

#### Parameters P0.20~P0.35 and P0.40~P0.55

<u>NOTE</u>: These Block Transfer parameters can only be accessed through Modbus; <u>not</u> through the Touchscreen Menu.

Block Transfer allows parameters from many different Parameter Groups to be consolidated into one Modbus communication message. This procedure can greatly simplify PLC programming and reduce network traffic. A maximum of 16 parameters can be grouped together into one block. The sixteen (16) two-byte Block Transfer Address *Pointer Registers* have 16 correlating four-byte Block Transfer *Data Registers* that correspond with the Pointer registers. The Pointer registers act as the data conduits for each select address. Once set, the addresses can be saved in non-volatile memory if required.

- Pointer Parameters P0.20~P0.35 are where to enter the addresses that you want to consolidate.
- <u>Data Location</u> Parameters P0.40~P0.55 are locations to push data into, or to pull data out of.

SR55 Parameters Summary – Serial Communic				tation Parameters – Block Transfer Parameter Map									
Block Transfer <u>Address</u> Pointers				Block Transfer <u>Data</u>									
Address	Para-	Panao	Read/	Modbus	Address	Default	Address	Para-	Panao	Read/	Modbus	Address	Default
Description	meter	Kunge	Write	Address	Hex	Setting	Description	meter	Kunge	Write	Address	Hex *	Setting
Transfer 1	P0.20			17600	44C0	OFF	Data 1	P0.40			17664	4500	OFF
Transfer 2	P0.21			17601	44C1	OFF	Data 2	P0.41			17666	4502	OFF
Transfer 3	P0.22	]		17602	44C2	OFF	Data 3	P0.42			17668	4504	OFF
Transfer 4	P0.23			17603	44C3	OFF	Data 4	P0.43			17670	4506	OFF
Transfer 5	P0.24			17604	44C4	OFF	Data 5	P0.44			17672	4508	OFF
Transfer 6	P0.25			17605	44C5	OFF	Data 6	P0.45			17674	450A	OFF
Transfer 7	P0.26			17606	44C6	OFF	Data 7	P0.46	0~	D /M	17676	450C	OFF
Transfer 8	P0.27		DAM	17607	44C7	OFF	Data 8	P0.47			17678	450E	OFF
Transfer 9	P0.28	0~05555		17608	44C8	OFF	Data 9	P0.48	4,294,967,295		17680	4510	OFF
Transfer 10	P0.29			17609	44C9	OFF	Data 10	P0.49			17682	4512	OFF
Transfer 11	P0.30			17610	44CA	OFF	Data 11	P0.50	]		17684	4514	OFF
Transfer 12	P0.31			17611	44CB	OFF	Data 12	P0.51			17686	4516	OFF
Transfer 13	P0.32	]		17612	44CC	OFF	Data 13	P0.52			17688	4518	OFF
Transfer 14	P0.33			17613	44CD	OFF	Data 14	P0.53			17690	451A	OFF
Transfer 15	P0.34	]		17614	44CE	OFF	Data 15	P0.54			17692	451C	OFF
Transfer 16	P0.35			17615	44CF	OFF	Data 16	P0.55			17694	451E	OFF

The following table shows the relationship between the Transfer registers and Data registers:



The address registers can take any data type that can fit into four (4) bytes, so any address that yields six (6) bytes of data (such as time) will be incomplete. For accessing data that is more than four (4) bytes, that register should be read from or written to directly, rather than by the Block Transfer method.

# **BLOCK TRANSFER EXAMPLE**

The following table shows an example of different data sizes:

Block Transfer Example								
Transfer Address	Parameter	Data Address	Data Shown in 4 Bytes					
17600	P3.3 – Start Current Limit Level	17664	0x00	0x00	0xe8	0x6c		
17601	P3.4 – Start Current Limit Time	17666	0x00	0x00	0x01	0x0e		
17602	P3.1 – Start Pedestal	17668	0x00	0x00	0x0c	0xcd		
17603	P6.0 – iERS (enable)	17670	0x00	0x00	0x00	0x00		
17604	P6.2 – iERS Rate	17672	0x00	0x00	0x00	0x00		
17605	P15.17 – Start Saving Level	17674	0x00	0x00	0x00	0x00		

# **PARAMETER DETAILS**

This section describes the individual parameters and the functions that they perform.

SR55 parameters are defined as holding type registers.

# PARAMETERS NOT CONFIGURABLE THROUGH TOUCHSCREEN MENU

These parameters are configurable only through network communications.

P0.0 – <b>Start/Stop</b> (Digital Input Control Command	FUNCTION)	HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
Starts or Stops the SR55.		
• To map to digital input, refer to P10.2, P10.4,	P10.6.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT (DECIMAL</u>
<ul> <li>Off : Stops or Soft Stops the SR55.</li> </ul>	• 0	• Off (0)
• On : Starts the SR55.	• 1	
MODBUS ADDRESS:	<u>Modbus Format:</u>	
17920 ( 4600 hex )	16-bit unsigned	
<u>Touchscreen Menu Path</u> :		
none		
20.1 – <b>Freeze Ramp</b> (Digital Input Control Comman	ID FUNCTION)	HOLD. REG. TYPE:
DESCRIPTION:	-	Read/Write
If set to On, this parameter will hold the Start Ra "Current Limit Level."	amp even if "Current I <sub>rms</sub> " is le	ess than the
• To map to digital input, refer to P10.2, P10.4,	P10.6.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT (DECIMAL</u>
<ul> <li>Off : The Soft Start Ramp is not held and the S the time set.</li> </ul>	SR55 will start in • 0	• Off (0)
<ul> <li>On : The Soft Start Ramp is held and the SR55 than the time set to start.</li> </ul>	will take longer • 1	
Modbus Address:	<u>Modbus Format:</u>	
18240 ( 4740 hex )	16-bit unsigned	
<u>Touchscreen Menu Path</u> :		
none		
20.2 – <b>Reset</b> (Digital Input Control Command Func	tion)	HOLD. REG. TYPE:
Description:		Read/Write
To reset pulse high and then low when resetting	g using communications.	
• If using the touchscreen, the Start button will	change to a Reset button duri	ng a fault conditio
<ul> <li>Clear the fault and press Reset.</li> </ul>		
• To map to digital input, refer to P10.2, P10.4,	P10.6.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT (DECIMAL</u>
<ul> <li>Off : The final state required for a reset.</li> </ul>	• 0	• Off (0)
<ul> <li>On : The initial state required for a reset.</li> </ul>	• 1	
MODBUS ADDRESS:	<u>Modbus Format:</u>	
18368 ( 47C0 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		

# PARAMETER DETAILS – <u>NOT</u> CONFIGURABLE THROUGH TOUCHSCREEN – ASSOCIATED WITH DIGITAL INPUTS (CONTINUED)

P0.3 – EXTERNAL TRIP (DIGITAL INPUT CONTROL COMMAND	HOLD. REG. TYPE:	
DESCRIPTION:		Read/Write
Control command for Digital Input: External Trip.		
<ul> <li>Ensure start signal is low before reset.</li> </ul>		
<ul> <li>To map to digital input, refer to P10.2, P10.4, P10</li> </ul>	0.6.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Off : The SR55 will not trip.</li> </ul>	• 0	• Off (0)
• On : If "External Trip" is enabled, the SR55 trips.	• 1	
MODBUS ADDRESS:	<u>Modbus Format:</u>	
18880 ( 49C0 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
none		

# PARAMETERS ASSOCIATED WITH DIGITAL OUTPUTS

P0.4 – <b>Ready</b>		<u>HOLD. REG. TYPE:</u>
DESCRIPTION:		Read Only
STATUS INDICATION : Ready		
• To map to Digital Output, refer to P11.0, P11.2, F	P11.4, P11.6.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Off : The SR55 has not powered up successfully, reset from a trip.</li> </ul>	or failed to • 0	• Off (0)
<ul> <li>On : Indicates that the SR55 is healthy and ready Remains on when Running.</li> </ul>	for a start. • 1	
MODBUS ADDRESS:	<u>Modbus Format:</u>	
37184 ( 9140 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH</u> :		
none		
P0.5 – ENABLED		HOLD. REG. TYPE:
P0.5 – <b>ENABLED</b> <u>DESCRIPTION:</u>		<u>Hold. Reg. Type:</u> Read Only
P0.5 – <b>ENABLED</b> <u>DESCRIPTION:</u> STATUS INDICATION : Enabled		<u>HOLD. REG. TYPE:</u> Read Only
<ul> <li>P0.5 – ENABLED</li> <li><u>DESCRIPTION:</u></li> <li>STATUS INDICATION : Enabled</li> <li>To map to Digital Output, refer to P11.0, P11.2, P</li> </ul>	P11.4, P11.6.	<u>HOLD. REG. TYPE:</u> Read Only
<ul> <li>P0.5 – ENABLED</li> <li><u>DESCRIPTION:</u></li> <li>STATUS INDICATION : Enabled</li> <li>• To map to Digital Output, refer to P11.0, P11.2, F</li> <li><u>RANGE:</u></li> </ul>	911.4, P11.6. <u>Modbus Decimal Value:</u>	<u>HOLD. REG. TYPE:</u> Read Only <u>DEFAULT (DECIMAL):</u>
<ul> <li>P0.5 - ENABLED <ul> <li><u>DESCRIPTION:</u></li> <li>STATUS INDICATION : Enabled</li> <li>To map to Digital Output, refer to P11.0, P11.2, P</li> <li><u>RANGE:</u></li> <li>Off : The SR55 has not powered up successfully, reset from a trip.</li> </ul> </li> </ul>	P11.4, P11.6. <u>Modbus Decimal Value:</u> or failed to • 0	Hold. Reg. Type: Read Only Default (Decimal): • Off (0)
<ul> <li>P0.5 - ENABLED <ul> <li><u>DESCRIPTION:</u></li> <li>STATUS INDICATION : Enabled</li> <li>To map to Digital Output, refer to P11.0, P11.2, P</li> <li><u>RANGE:</u></li> <li>Off : The SR55 has not powered up successfully, reset from a trip.</li> <li>On : Indicates that the SR55 is enabled and read Remains on when Running.</li> </ul> </li> </ul>	P11.4, P11.6. <u>MODBUS DECIMAL VALUE:</u> or failed to • 0 y for a start. • 1	<u>HOLD. REG. TYPE:</u> Read Only <u>DEFAULT (DECIMAL):</u> • Off (0)
<ul> <li>P0.5 - ENABLED <ul> <li><u>DESCRIPTION:</u></li> <li>STATUS INDICATION : Enabled</li> <li>To map to Digital Output, refer to P11.0, P11.2, F</li> <li><u>RANGE:</u></li> <li>Off : The SR55 has not powered up successfully, reset from a trip.</li> <li>On : Indicates that the SR55 is enabled and read Remains on when Running.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u></li> </ul>	<ul> <li>P11.4, P11.6.</li> <li><u>MODBUS DECIMAL VALUE:</u></li> <li>or failed to • 0</li> <li>y for a start. • 1</li> <li><u>MODBUS FORMAT:</u></li> </ul>	HOLD. REG. TYPE: Read Only DEFAULT (DECIMAL): • Off (0)
<ul> <li>P0.5 - ENABLED <ul> <li><u>DESCRIPTION:</u></li> <li>STATUS INDICATION : Enabled</li> <li>To map to Digital Output, refer to P11.0, P11.2, F</li> <li><u>RANGE:</u></li> <li>Off : The SR55 has not powered up successfully, reset from a trip.</li> <li>On : Indicates that the SR55 is enabled and read Remains on when Running.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u></li> <li>37248 (9180 hex )</li> </ul>	<ul> <li>P11.4, P11.6.</li> <li><u>MODBUS DECIMAL VALUE:</u></li> <li>or failed to • 0</li> <li>y for a start. • 1</li> <li><u>MODBUS FORMAT:</u></li> <li>16-bit unsigned</li> </ul>	Hold. Reg. Type: Read Only Default (Decimal): • Off (0)
<ul> <li>P0.5 - ENABLED </li> <li><u>DESCRIPTION:</u> STATUS INDICATION : Enabled  <ul> <li>To map to Digital Output, refer to P11.0, P11.2, F </li> <li><u>RANGE:</u> <ul> <li>Off : The SR55 has not powered up successfully, reset from a trip.</li> <li>Off : Indicates that the SR55 is enabled and read Remains on when Running.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>37248 (9180 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> </ul> </li> </ul></li></ul>	P11.4, P11.6. <u>MODBUS DECIMAL VALUE:</u> or failed to • 0 y for a start. • 1 <u>MODBUS FORMAT:</u> 16-bit unsigned	Hold. Reg. Type: Read Only Default (Decimal): • Off (0)

# **P**ARAMETER **D**ETAILS – <u>NOT</u> **C**ONFIGURABLE THROUGH TOUCHSCREEN – ASSOCIATED WITH DIGITAL OUTPUTS (CONTINUED)

P0.6 – ERROR		HOLD. REG. TYPE:
DESCRIPTION:		Read Only
STATUS INDICATION : Error. The fault m	iust be cleared before a reset.	
To map to Digital Output, refer to P11	0, P11.2, P11.4, P11.6.	
<u>RANGE:</u>	<u>Modbus Decimal Value</u>	<u>E: DEFAULT (DECIMAL):</u>
<ul> <li>Off : The SR55 is fault free.</li> </ul>	• 0	• Off (0)
On : Indicates that SR55 has detected	a fault and has shut • 1	
down.		
MODBUS ADDRESS:	<u>Modbus Format:</u>	
37312 ( 91C0 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
none		
P0.7 – <b>RUNNING</b>		HOLD. REG. TYPE:
Description:		Read Only
STATUS INDICATION · Running		
To map to Digital Output, refer to P11	.0. P11.2. P11.4. P11.6.	
RANGE:	Modbus Decimai Value	: DEFAUIT (DECIMAL):
Off · The SR55 has detected a fault an	d tripped or has been • 0	• Off (0)
stonned	a inpped, of has been	
• On · Indicates that the motor is running	ng and is being actively • 1	
controlled by the SR55.		
MODBUS ADDRESS:	Modbus Format:	
37632 ( 9300 hex )	16-bit unsigned	
TOUCHSCREEN MENU PATH	10 bit unsigned	
none		
PO.8 – END OF START		<u>HOLD. REG. TYPE:</u>
DESCRIPTION:		Read Only
STATUS INDICATION : End Of Start		
To map to Digital Output, refer to P11	.0, P11.2, P11.4, P11.6.	- ( )
<u>RANGE:</u>	MODBUS DECIMAL VALUE	<u>E:</u> <u>DEFAULT (DECIMAL):</u>
• Off : The SR55 is disabled or ramping	down. • 0	• Off (0)
On : Indicates that the Soft Start ramp	b has been completed. • 1	
MODBUS ADDRESS:	<u>MODBUS FORMAT:</u>	
37760 ( 9380 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
none		
P0.9 – CURRENT LIMIT		<u>Hold. Reg. Type:</u>
DESCRIPTION:		Read Only
STATUS INDICATION : Current Limit		
• To map to Digital Output, refer to P11	.0, P11.2, P11.4, P11.6.	
RANGE:	MODBUS DECIMAL VALUE	E: DEFAULT (DECIMAL):
<ul> <li>Off: The ramp is not being held becau</li> </ul>	use " Current I <sub>rms</sub> " is • 0	• Off (0)
less than "Current Limit Level."		
• On : The ramp is being held because "	'Current I <sub>rms</sub> " is greater • 1	
or equal to "Current Limit Level."		
Modbus Address:	Modbus Format:	
37824 ( 93C0 hex )	16-bit unsigned	
TOUCHSCREEN MENU PATH:	6	
none		

# **P**ARAMETER **D**ETAILS – <u>NOT</u> **C**ONFIGURABLE THROUGH TOUCHSCREEN – ASSOCIATED WITH DIGITAL OUTPUTS (CONTINUED)

P0.10 – IERS ACTIVE				<u>HOLD. REG. TYPE:</u>
Description:				Read Only
STATUS INDICATION : iE	RS Active			
<ul> <li>To map to Digital Out</li> </ul>	put, refer to P11.0, F	P11.2, P11.4, P11.6.		
<u>Range:</u>		MODBUS DEC	imal Value:	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Off : The iERS saving r or via "iERS."</li> </ul>	node has been disa	bled either internally	• 0	• Off (0)
<ul> <li>On : Indicates that the</li> </ul>	e SR55 is operating i	n the iERS energy	• 1	
saving Mode.				
MODBUS ADDRESS:		MODBUS FOR	<u>MAT:</u>	
38080 ( 94C0 hex )		16-bit unsi	gned	
<u>TOUCHSCREEN MENU PATH</u> :				
none				
P0.12 – I/O STATUS REGISTER				HOLD. REG. TYPE:
DESCRIPTION:				Read Only
Displays the current sta	tus of the hardware	inputs and outputs.		
b0 ( Input D1-1I )	b1 ( Input D1-2I )	b2 ( input D2-1I )	b3 ( undel	fined )
b4 (Output 12)	b5 ( Output 24 )	b6 ( Output 34 )	b7 ( Outp	ut 44)
<u>Range:</u>		MODBUS DEC	imal Value:	<u>DEFAULT (DECIMAL):</u>
• 0 to 255			• 0	• OFF (0)
			• 1	
MODBUS ADDRESS:		MODBUS FOR	<u>MAT:</u>	
62016 ( F240 hex )		16-bit unsi	gned	
TOUCHSCREEN MENU PATH:				
none				

# PARAMETERS ASSOCIATED WITH BLOCK TRANSFERS

P0.20~P0.35 – BLOCK TRANSFER ADDRESS POINTERS		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
Address pointers for data block transfer.		
• For details, please refer to <u>"Block Transfer Para</u>	<u>meters" on page 3–24</u> .	
RANGE:	MODBUS DECIMAL VALUE:	DEFAULT (DECIMAL):
• 0~65535	• 65535	• Off (0)
Modbus Addresses:	Modbus Format:	
17600 ( 44C0 hex )	16-bit unsigned	
17601 ( 44C1 hex )		
17602 ( 44C2 hex )		
17603 ( 44C3 hex )		
17604 (44C4 hex)		
17605 (44C5 hex)		
17606 (44C6 hex)		
17607 (44C7 hex)		
17608 ( 44C8 hex )		
17609 ( 44C9 hex )		
17610 ( 44CA hex )		
17611 ( 44CB hex )		
17612 ( 44CC hex )		
17613 ( 44CD hex )		
17614 ( 44CE hex )		
17615 ( 44CF hex )		
Touchscreen Menu Path:		
nono		
none		
P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS		HOLD. REG. TYPE:
P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS DESCRIPTION:		HOLD. REG. TYPE: Read/Write
<b>P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS</b> DESCRIPTION: Data locations for data block transfer.		HOLD. REG. TYPE: Read/Write
P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         • For details, please refer to "Block Transfer Para"	meters" on page 3–24.	HOLD. REG. TYPE: Read/Write
P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         • For details, please refer to <u>"Block Transfer Paral Range:</u>	meters" on page 3–24. Modbus Decimal Value:	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL):
<b>P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS</b> DESCRIPTION:         Data locations for data block transfer.         • For details, please refer to <u>"Block Transfer Para.</u> RANGE:         • 0~4.294.967.295	<u>meters" on page 3–24</u> . Modbus Decimal Value: • 4.294.967.295	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
PO.40~PO.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:       Data locations for data block transfer.         • For details, please refer to <u>"Block Transfer Para.</u> RANGE:       • 0~4,294,967,295         MODBUS ADDRESSES:	<u>meters" on page 3–24</u> . Modbus Decimal Value: • 4,294,967,295 Modbus Format:	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
PO.40~PO.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         • For details, please refer to <u>"Block Transfer Para</u> RANGE:         • 0~4,294,967,295         MODBUS ADDRESSES:         P0 40       17664/17665 (4500/4501 bex)	meters" on page 3–24. Modbus Decimal Value: • 4,294,967,295 Modbus Format: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
None         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         For details, please refer to <u>"Block Transfer Paral</u> RANGE:         0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex )         P0.41       17666/17667 (4502/4503 hex )	<i>meters" on page 3–24.</i> <i>Modbus Decimal Value:</i> • 4,294,967,295 <i>Modbus Format:</i> 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
None         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         • Data locations for data block transfer.         • For details, please refer to <u>"Block Transfer Para.</u> RANGE:         • 0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex.)         P0.41       17666/17667 (4502/4503 hex.)         P0.42       17668/17669 (4504/4505 hex.)	<i>meters" on page 3–24.</i> <i>Modbus Decimal Value:</i> • 4,294,967,295 <i>Modbus Format:</i> 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
None         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         • Data locations for data block transfer.         • For details, please refer to <u>"Block Transfer Para.</u> RANGE:         • 0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex )         P0.41       17666/17667 (4502/4503 hex )         P0.42       17668/17669 (4504/4505 hex )         P0.43       17670/17671 (4506/4507 hex )	<u>meters" on page 3–24</u> . Modbus Decimal Value: • 4,294,967,295 Modbus Format: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
None         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         • For details, please refer to <u>"Block Transfer Para.</u> RANGE:         • 0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex)         P0.41       17666/17667 (4502/4503 hex)         P0.42       17668/17669 (4504/4505 hex)         P0.43       17670/17671 (4506/4507 hex)         P0.44       17672/17673 (4508/4509 hex)	<u>meters" on page 3–24</u> . Modbus Decimal Value: • 4,294,967,295 Modbus Format: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
None         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         • For details, please refer to <u>"Block Transfer Paral</u> RANGE:         • 0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex)         P0.41       17666/17667 (4502/4503 hex)         P0.42       17668/17669 (4504/4505 hex)         P0.43       17670/17671 (4506/4507 hex)         P0.44       17672/17673 (4508/4509 hex)         P0.45       17674/17675 (450A/450B hex)	<u>meters" on page 3–24</u> . MODBUS DECIMAL VALUE: • 4,294,967,295 MODBUS FORMAT: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
None         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         • Data locations for data block transfer.         • For details, please refer to <u>"Block Transfer Paral</u> RANGE:         • 0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex)         P0.41       17666/17667 (4502/4503 hex)         P0.42       17668/17669 (4504/4505 hex)         P0.43       17670/17671 (4506/4507 hex)         P0.44       17672/17673 (4508/4509 hex)         P0.45       17674/17675 (450A/450B hex)         P0.46       17676/17677 (450C/450D hex)	<i>meters" on page 3–24.</i> <i>MODBUS DECIMAL VALUE:</i> • 4,294,967,295 <i>MODBUS FORMAT:</i> 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
None         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         • For details, please refer to <u>"Block Transfer Paral</u> RANGE:         • 0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex )         P0.41       17666/17667 (4502/4503 hex )         P0.42       17668/17669 (4504/4505 hex )         P0.43       17670/17671 (4506/4507 hex )         P0.44       17672/17673 (4508/4509 hex )         P0.45       17674/17675 (450A/450B hex )         P0.46       17676/17677 (450C/450D hex )         P0.47       17678/17679 (450E/450F hex )	<i>meters" on page 3–24.</i> <i>MODBUS DECIMAL VALUE:</i> • 4,294,967,295 <i>MODBUS FORMAT:</i> 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
None         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         For details, please refer to <u>"Block Transfer Paral</u> RANGE:         0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex )         P0.41       17666/17667 (4502/4503 hex )         P0.42       17668/17669 (4504/4505 hex )         P0.43       17670/17671 (4506/4507 hex )         P0.44       17672/17673 (4508/4509 hex )         P0.45       17674/17675 (450A/450B hex )         P0.46       17676/17677 (450C/450D hex )         P0.47       17678/17679 (450E/450F hex )         P0.48       17680/17681 (4510/4511 hex )	<u>meters" on page 3–24</u> . Modbus Decimal Value: • 4,294,967,295 Modbus Forмат: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
None         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         For details, please refer to <u>"Block Transfer Paral</u> RANGE:         0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex)         P0.41       17666/17667 (4502/4503 hex)         P0.42       17668/17669 (4504/4505 hex)         P0.43       17670/17671 (4506/4507 hex)         P0.44       17672/17673 (4508/4509 hex)         P0.45       17674/17675 (450A/450B hex)         P0.46       17676/17677 (450C/450D hex)         P0.47       17678/17679 (450E/450F hex)         P0.48       17680/17681 (4510/4511 hex)         P0.49       17682/17683 (4512/4513 hex)	<u>meters" on page 3–24</u> . Modbus Decimal Value: • 4,294,967,295 Modbus Format: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
Hone         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         For details, please refer to <u>"Block Transfer Para.</u> RANGE:         0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex)         P0.41       17666/17667 (4502/4503 hex)         P0.42       17668/17669 (4504/4505 hex)         P0.43       17670/17671 (4506/4507 hex)         P0.44       17672/17673 (4508/4509 hex)         P0.45       17674/17675 (450A/450B hex)         P0.46       17676/17677 (450C/450D hex)         P0.47       17678/17679 (450E/450F hex)         P0.48       17680/17681 (4510/4511 hex)         P0.49       17682/17683 (4512/4513 hex)         P0.50       17684/17685 (4514/4515 hex)	<u>meters" on page 3–24</u> . Modbus Decimal Value: • 4,294,967,295 Modbus Format: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
Hone         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         For details, please refer to <u>"Block Transfer Para.</u> RANGE:         0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex)         P0.41       17666/17667 (4502/4503 hex)         P0.42       17668/17669 (4504/4505 hex)         P0.43       17670/17671 (4506/4507 hex)         P0.44       17672/17673 (4508/4509 hex)         P0.45       17674/17675 (450A/450B hex)         P0.46       17676/17677 (450C/450D hex)         P0.47       17678/17679 (450E/450F hex)         P0.48       17680/17681 (4510/4511 hex)         P0.49       17682/17683 (4512/4513 hex)         P0.50       17684/17685 (4514/4515 hex)         P0.51       17686/17687 (4516/4517 hex)	<u>meters" on page 3–24</u> . MODBUS DECIMAL VALUE: • 4,294,967,295 MODBUS FORMAT: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
None         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         For details, please refer to <u>"Block Transfer Para</u> RANGE:         • 0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex )         P0.41       17666/17667 (4502/4503 hex )         P0.42       17668/17669 (4504/4505 hex )         P0.43       17670/17671 (4506/4507 hex )         P0.44       17672/17673 (4508/4509 hex )         P0.45       17674/17675 (450A/450B hex )         P0.46       17676/17677 (450C/450D hex )         P0.47       17678/17679 (450E/450F hex )         P0.48       17680/17681 (4510/4511 hex )         P0.49       17682/17683 (4512/4513 hex )         P0.50       17684/17685 (4514/4515 hex )         P0.51       17686/17687 (4516/4517 hex )         P0.52       17688/17689 (4518/4519 hex )	meters" on page 3–24. MODBUS DECIMAL VALUE: • 4,294,967,295 MODBUS FORMAT: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
None         P0.40~P0.55 – BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         For details, please refer to <u>"Block Transfer Para</u> RANGE:         0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex)         P0.41       17666/17667 (4502/4503 hex)         P0.42       17668/17669 (4504/4505 hex)         P0.43       17670/17671 (4506/4507 hex)         P0.44       17672/17673 (4508/4509 hex)         P0.45       17674/17675 (450A/450B hex)         P0.46       17676/17677 (450C/450D hex)         P0.47       17678/17679 (450E/450F hex)         P0.48       17680/17681 (4510/4511 hex)         P0.49       17682/17683 (4512/4513 hex)         P0.50       17684/17685 (4514/4515 hex)         P0.51       17686/17687 (4516/4517 hex)         P0.52       17688/17689 (4518/4519 hex)         P0.53       17690/17691 (451A/451B hex)	meters" on page 3–24. Modbus Decimal Value: • 4,294,967,295 Modbus Format: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
HoneP0.40~P0.55 - BLOCK TRANSFER DATA LOCATIONSDESCRIPTION:Data locations for data block transfer.• For details, please refer to "Block Transfer ParaRANGE:• $0~4,294,967,295$ MODBUS ADDRESSES:P0.4017664/17665 (4500/4501 hex )P0.4117666/17667 (4502/4503 hex )P0.4217668/17669 (4504/4505 hex )P0.4217668/17669 (4504/4505 hex )P0.4317670/17671 (4506/4507 hex )P0.4317670/17671 (4506/4507 hex )P0.4417672/17673 (4508/4509 hex )P0.4517674/17675 (450A/450B hex )P0.4517674/17675 (450A/450B hex )P0.4617676/17677 (450C/450D hex )P0.4617678/17679 (450E/450F hex )P0.4817680/17681 (4510/4511 hex )P0.4917682/17683 (4512/4513 hex )P0.5017688/17687 (4516/4517 hex )P0.5117688/17689 (4518/4519 hex )P0.5317690/17691 (451A/451B hex )P0.5417692/17693 (451C/451D hex )	meters" on page 3–24. Modbus Decimal Value: • 4,294,967,295 Modbus Format: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
Hone         P0.40~P0.55 - BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         For details, please refer to "Block Transfer Paral         RANGE:         0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex)         P0.41       17666/17667 (4502/4503 hex)         P0.42       17668/17669 (4504/4505 hex)         P0.43       17670/17671 (4506/4507 hex)         P0.44       17672/17673 (4508/4509 hex)         P0.45       17674/17675 (450A/450B hex)         P0.46       17676/17677 (450C/450D hex)         P0.47       17678/17679 (450E/450F hex)         P0.48       17680/17681 (4510/4511 hex)         P0.49       17682/17683 (4512/4513 hex)         P0.50       17684/17685 (4514/4515 hex)         P0.51       17686/17687 (4516/4517 hex)         P0.52       17688/17689 (4518/4519 hex)         P0.53       17690/17691 (451A/451B hex)         P0.54       17692/17693 (451C/451D hex)         P0.55       17694/17695 (451E/451F hex)	meters" on page 3–24. Modbus Decimal Value: • 4,294,967,295 Modbus Format: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)
None         P0.40~P0.55 - BLOCK TRANSFER DATA LOCATIONS         DESCRIPTION:         Data locations for data block transfer.         For details, please refer to <u>"Block Transfer Para</u> .         RANGE:         0~4,294,967,295         MODBUS ADDRESSES:         P0.40       17664/17665 (4500/4501 hex)         P0.41       17666/17667 (4502/4503 hex)         P0.42       17668/17669 (4504/4505 hex)         P0.43       17670/17671 (4506/4507 hex)         P0.44       17672/17673 (4508/4509 hex)         P0.45       17674/17675 (450A/450B hex)         P0.46       17676/17677 (450C/450D hex)         P0.47       17678/17679 (450E/450F hex)         P0.48       17680/17681 (4510/4511 hex)         P0.49       17682/17683 (4512/4513 hex)         P0.50       17684/17685 (4514/4515 hex)         P0.51       17686/17687 (4516/4517 hex)         P0.52       17688/17689 (4518/4519 hex)         P0.53       17690/17691 (451A/451B hex)         P0.54       17692/17693 (451E/451F hex)         P0.55       17694/17695 (451E/451F hex)         P0.55       17694/17695 (451E/451F hex)	meters" on page 3–24. MODBUS DECIMAL VALUE: • 4,294,967,295 MODBUS FORMAT: 32-bit unsigned	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • Off (0)

# PARAMETER DETAILS (CONTINUED)

# PARAMETERS IN SEQUENCE AND GROUPED BY TOUCHSCREEN NAVIGATION

SR55 parameters are defined as holding type registers.

# "AUTO SETUP" MENU OF PARAMETERS

P0.11 – Application		HOLDING REGISTER TYPE:					
DESCRIPTION:		Read/Write					
• The SR55 has numerous built-in preset applications. Select the application best suited to your load. The selected application will automatically change several parameters and functions.							
• Refer to the previous "Auto Setup Parameter Settings" table for more details (page 3–4).							
Range	MODBUS DECIMAL VALUE	DEFALIIT (DECIMAL):					
See the previous "Auto Setup Parameter	n/a	Default (0)					
Settings" table (page 3–4).	.,	(-)					
MODBUS ADDRESS:	<u>Modbus Format:</u>						
19200 ( 4B00 hex)	16-bit unsigned						
<u>TOUCHSCREEN MENU PATH:</u>							
Home $\rightarrow$ Auto Setup $\rightarrow$ Application							
P5.1 – TRIP CLASS		HOLDING REGISTER TYPE:					
Description:		Read/Write					
• The trip class is a numeric value that c	correlates the trip time with ove	erload level. Select Trip					
class according to application require	ments.						
• The trip time depends on the selected Trip Class, the duration of the overload and the level of							
the overcurrent. Refer to the Motor Overload 'cold' trip curves given in the Quick-Start Guide.							
When "Class 20" or "Class30" are select	cted, the SR55 current rating w	ill be reduced to a lower					
value.							
<u>RANGE:</u> <u>MC</u>	DBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>					
• 10 •	10	• 10 (10)					
• 20	20						
25664 ( 6440 box )	16-bit upsigned						
	to-bit unsigned						
Home $\rightarrow$ Auto Setup $\rightarrow$ Application $\rightarrow$ Trir	Class						
(also Home $\rightarrow$ Advanced $\rightarrow$ Motor Protect	tion $\rightarrow$ Trip Class)						
(also automatically set in "Auto Setup" r	mode, depending on the applic	ation selected)					
		HOLD REG TYPE					
		Read/Write					
• This should be set to the Full Load Cur	rent shown on the motor plate	Neddy write					
The overload works with multiples of a	the set "Motor Current" (also re	eferred to as Motor FLA).					
RANGE:	MODBUS DECIMAL VALUE:	DEFAULT:					
10% to 100% of SR55 rated current	linear scale: 1 = 1mA	100%					
(displayed in amps)							
MODBUS ADDRESS:	<u>Modbus Format:</u>						
25728/2529 ( 6480/6481 hex )	32-bit unsigned						
<u>TOUCHSCREEN MENU PATH</u> :							
Home $\rightarrow$ Auto Setup $\rightarrow$ Motor Current							
(also Home → Advanced → Motor Protect	tion → Motor Current)						

		• •	
P7.0 – CONTROL METHOD		Holdi	NG REGISTER TYPE:
DESCRIPTION:		Rea	d/Write
Local Touch Screen : Control usin	ng the buttons on the $ l$	keypad.	
<ul> <li>User Programmable : Control us</li> </ul>	ing the terminals, func	tion defined in "I/O"	menu.
<ul> <li>Two Wire Control : Control using</li> </ul>	terminals; functions fi	xed as shown on scre	een.
D1-1I = High: Reset & Start / Low	: Stop		
<ul> <li>Three Wire Control : Control usir</li> </ul>	g terminals; functions	fixed as shown on so	reen.
D1-1I = High Start			
D1-2I = Low Stop			
D2-1I = High Reset			
<ul> <li>Modbus Network : Control via re</li> </ul>	mote Modbus network	or remote touchscre	een.
<u>Range:</u>	<u>Modbus Decimal Va</u>	<u>LUE:</u> <u>DEFAU</u>	<u>ILT (DECIMAL):</u>
<ul> <li>Local Touch Screen</li> </ul>	• 0	• L	ocal (0)
<ul> <li>User Programmable</li> </ul>	• 1		
<ul> <li>Two Wire Control</li> </ul>	• 2		
Three Wire Control	• 3		
<ul> <li>Modbus Network</li> </ul>	• 4		
Modbus Address:	<u>Modbus Format:</u>		
59392 ( E800 hex )	16-bit unsigned		
<u>TOUCHSCREEN MENU PATH:</u>			
Home → Auto Setup → Control Met	hod		
(also Home → Advanced → Control	Method) (also Home →	I/O → Digital Inputs	→ Control Method)
P10.0 – DIGITAL INPUT VOLTAGE			HOLD. REG. TYPE:
DESCRIPTION:			Read/Write
The digital inputs D1-1I, D1-2I, D2	-11 are designed to wo	ork with a range of co	ntrol supplies.
• It is important to ensure the "Digi	tal Input Voltage" corre	sponds to the voltage	e applied to the
input. Failure to do so may resu	ılt in damage.		
<u>Range:</u>	<u>M</u>	ODBUS DECIMAL VALUE	<u>: DEFAULT (DECIMAL):</u>
• 230VAC : 'Active high level' Input	voltage must be in	• 0	• 230VAC (0)
the range 195.5V–253V.			
110VAC : 'Active high level' Input	voltage must be in	• 1	
the range 93.5V–121V.			
• 24VDC : 'Active high level' input v	oltage must be in the	• 2	
range 20.4V–26.4V.			
MODBUS ADDRESS:		<u>Modbus Format:</u>	
10880 ( 2A80 hex )		16-bit unsigned	
<u>Touchscreen Menu Path</u> :			
Home → Auto Setup → Digital Input	Voltage		
(also Home $\rightarrow$ I/O $\rightarrow$ Digital Inputs $\rightarrow$	<ul> <li>Digital Input Voltage)</li> </ul>		

#### PARAMETER DETAILS - "AUTO SETUP" MENU OF PARAMETERS (CONTINUED)

# "Advanced" Menu of Parameters

P1.0 – SAVE PARAMETERS		HOLD. REG. TYPE:	
DESCRIPTION:		Read/Write	
Saves all Read/Write parameters to non-volatile me	mory.		
Note: This does not save the parameters to an external USB drive.			
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT (DECIMAL):</u>	
<ul> <li>No : Parameters remain unchanged.</li> </ul>	• 0	• No (0)	
<ul> <li>Yes : Parameters are written.</li> </ul>	• 1		
Modbus Address:	<u>Modbus Format:</u>		
<u>Touchscreen Menu Path</u> :			

# **ADVANCED "AUTOMATIC SETTINGS" PARAMETERS**

P2.0 - AUTOMATIC PEDESTAL       HOLD. REG. TYPE: Read/Write         DESCRIPTION:       Read/Write         Automatically controls the starting torque by adjusting the start voltage.       DEFAULT (DECIMAL):         Automatically controls the starting torque by adjusting the start voltage.       DEFAULT (DECIMAL):         • Off : The initial torque is defined by the "Start Pedestal."       • 0       • Off (0)         • On : The initial torque is increased until the motor starts to       • 1       rotate at a moderate speed.         MODBUS ADDRESS:       MODBUS FORMAT:       19840 (4D80 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Advanced → Automatic Settings → Automatic Pedestal       P2.1 - AUTOMATIC RAMP       Read/Write         PLOB REG. TYPE:       DESCRIPTION:       Read/Write       Read/Write         Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."       NODBUS DECIMAL VALUE:       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)       Limit."         • On : The torque is adjusted to suit the load.       • 1       MODBUS FORMAT:       20352 (4F80 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Advanced → Automatic Settings → Automatic Ramp       P2.2 - AUTOMATIC END START (1)       HOLD. REG. TYPE: <th></th> <th></th> <th></th> <th></th>					
DESCRIPTION:       Read/Write         Automatically controls the starting torque by adjusting the start voltage.       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL):         • Off : The initial torque is defined by the "Start Pedestal."       • 0       • Off (0)         • On : The initial torque is increased until the motor starts to rotate at a moderate speed.       • 0       • Off (0)         MODBUS ADDRESS:       MODBUS FORMAT:       19840 (4D80 hex)       16-bit unsigned         19840 (4D80 hex)       16-bit unsigned       1000000000000000000000000000000000000	P2.0 – AUTOMATIC PEDESTAL			HOLD. REG. TYPE:	
Automatically controls the starting torque by adjusting the start voltage. <u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT (DECIMAL)</u> : • Off : The initial torque is defined by the "Start Pedestal." • 0 • Off (0) • On : The initial torque is increased until the motor starts to • 1 rotate at a moderate speed. <u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 19840 ( 4D80 hex ) 16-bit unsigned <u>TOUCHSCREEN MENU PATH:</u> Home $\Rightarrow$ Advanced $\Rightarrow$ Automatic Settings $\Rightarrow$ Automatic Pedestal <u>P2.1 – AUTOMATIC RAMP</u> <u>HOLD. REG. TYPE:</u> <u>DESCRIPTION:</u> Read/Write Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit." <u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT (DECIMAL)</u> : • Off : The ramp time depends on the "Start Time" and "Current • 0 • Off (0) Limit." • On : The torque is adjusted to suit the load. • 1 <u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 20352 (4F80 hex ) 16-bit unsigned <u>TOUCHSCREEN MENU PATH:</u> Home $\Rightarrow$ Advanced $\Rightarrow$ Automatic Settings $\Rightarrow$ Automatic Ramp <b>P2.2 – AUTOMATIC END START (1)</b> <u>HOLD. REG. TYPE:</u> <u>DESCRIPTION:</u> Read/Write Automatically controls the time taken for the motor to start. <u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT (DECIMAL)</u> : • Off : The ramp time depends on the "Start Time" and "Current • 0 • Off (0) Limit." HOME $\Rightarrow$ Advanced $\Rightarrow$ Automatic Settings $\Rightarrow$ Automatic Ramp <b>P2.2 – AUTOMATIC END START (1)</b> <u>HOLD. REG. TYPE:</u> <u>DESCRIPTION:</u> Read/Write Automatically controls the time taken for the motor to start. <u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT (DECIMAL)</u> : • Off : The ramp time depends on the "Start Time" and "Current • 0 • Off (0) Limit." • On : The ramp time is shortened if the motor is at speed before • 1 the end of the "Start Time."	DESCRIPTION:			Read/Write	
RANGE:       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL):         • Off: The initial torque is defined by the "Start Pedestal."       • 0       • Off (0)         • On : The initial torque is increased until the motor starts to rotate at a moderate speed.       • 0       • Off (0)         MODBUS ADDRESS:       MODBUS FORMAT:         19840 (4D80 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Hote.         Home → Advanced → Automatic Settings → Automatic Pedestal       Read/Write         P2.1 - AUTOMATIC RAMP       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."       0       • Off (0)         EANGE:       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • On : The torque is adjusted to suit the load.       • 1         MODBUS FORMAT:       20352 (4F80 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Advanced → Automatic Settings → Automatic Ramp       POLD. Reg. TYPE:         P2.2 - AUTOMATIC END START (1)       HOLD. Reg. TYPE:       Read/Write         Automatically controls the time taken for the motor to start.       • Off (0) </td <td>Automatically controls the starting torque by adjus</td> <td colspan="4">Automatically controls the starting torque by adjusting the start voltage.</td>	Automatically controls the starting torque by adjus	Automatically controls the starting torque by adjusting the start voltage.			
<ul> <li>Off : The initial torque is defined by the "Start Pedestal."         <ul> <li>O</li> <li>On : The initial torque is increased until the motor starts to rotate at a moderate speed.</li> </ul> </li> <li>MODBUS ADDRESS:             <ul> <li>MODBUS ADDRESS:</li> <li>MODBUS FORMAT:</li> <li>19840 (4D80 hex)</li> <li>16-bit unsigned</li> </ul> </li> <li>MOUNT FORMATIC RAMP             <ul> <li>HOID. REG. TYPE:</li> <li>DESCRIPTION:</li> <li>Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."</li> <li>MODBUS DECIMAL VALUE: DEFAULT (DECIMAL):</li> <li>Off (0)</li> <li>Umit."</li> <li>On : The torque is adjusted to suit the load.</li> <li>1</li> </ul> </li> <li>MODBUS ADDRESS:         <ul> <li>MODBUS ADDRESS:</li> <li>MODBUS DECIMAL VALUE:</li> <li>DEFAULT (DECIMAL):</li> <li>Off (0)</li> <li>Umit."</li> <li>On : The torque is adjusted to suit the load.</li> <li>1</li> </ul> </li> <li>MODBUS ADDRESS:         <ul> <li>MODBUS FORMAT:</li> <li>20352 (4F80 hex)</li> <li>16-bit unsigned</li> </ul> </li> <li>MODBUS FORMAT:</li> <li>20352 (4F80 hex)</li> <li>16-bit unsigned</li> <li>MODEUS FORMAT:</li> <ul> <li>20352 (4F80 hex)</li> <li>16-bit unsigned</li> </ul> <li>MODEUS FORMAT:</li> <li>20352 (4F80 hex)</li> <li>16-bit unsigned</li> <li>MODEUS FORMAT:</li> <li>20352 (4F80 hex)</li> <li>16-bit unsigned</li> </ul> <li>MODEUS FORMAT: END START (1)         <ul> <li>MODBUS DECIMAL VALUE:</li> <li>MODBUS DECIMAL VALUE:</li></ul></li>	<u>Range:</u>	MODBUS DECI	MAL VALUE:	<u>DEFAULT (DECIMAL):</u>	
<ul> <li>On : The initial torque is increased until the motor starts to rotate at a moderate speed.</li> <li>MODBUS ADDRESS:</li> <li>MODBUS FORMAT:</li> <li>19840 (4D80 hex)</li> <li>16-bit unsigned</li> <li>TOUCHSCREEN MENU PATH: Home → Advanced → Automatic Settings → Automatic Pedestal</li> <li>P2.1 - AUTOMATIC RAMP</li> <li>HOLD. REG. TYPE:</li> <li>DESCNIPTION:</li> <li>Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."</li> <li>MOBBUS DECIMAL VALUE:</li> <li>Off: The ramp time depends on the "Start Time" and "Current</li> <li>0</li> <li>Off (0)</li> <li>Limit."</li> <li>On : The torque is adjusted to suit the load.</li> <li>1</li> <li>MODBUS ADDRESS:</li> <li>MODBUS FORMAT:</li> <li>20352 (4F80 hex)</li> <li>16-bit unsigned</li> <li>TOUCHSCREEN MENU PATH:</li> <li>Home → Advanced → Automatic Settings → Automatic Ramp</li> <li>P2.2 - AUTOMATIC END START (1)</li> <li>P3.2 - AUTOMATIC END START (1)</li> <li>P3.2 - AUTOMATIC END START (1)</li> <li>P3.2 - AUTOMATIC END START (1)</li> <li>P3.3 - AUTOMATIC END START (1)</li> <li>P3.4 -</li></ul>	Off : The initial torque is defined by the "Start Peo	destal."	• 0	• Off (0)	
rotate at a moderate speed. <u>MODBUS ADDRESS:</u> 19840 (4D80 hex) 10-bit unsigned <u>TOUCHSCREEN MENU PATH:</u> Home $\Rightarrow$ Advanced $\Rightarrow$ Automatic Settings $\Rightarrow$ Automatic Pedestal <b>P2.1 – AUTOMATIC RAMP</b> <u>HOLD. REG. TYPE:</u> <u>DESCRIPTION:</u> Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit." <u>RANGE:</u> • Off : The ramp time depends on the "Start Time" and "Current Limit." • On : The torque is adjusted to suit the load. • 1 <u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 20352 (4F80 hex) <u>10-bit unsigned</u> <u>TOUCHSCREEN MENU PATH:</u> Home $\Rightarrow$ Advanced $\Rightarrow$ Automatic Settings $\Rightarrow$ Automatic Ramp <b>P2.2 – AUTOMATIC END START (1)</b> <u>P2.2 – AUTOMATIC END START (1)</u> <u>DESCRIPTION:</u> Automatically controls the time taken for the motor to start. <u>RANGE:</u> • Off : The ramp time depends on the "Start Time" and "Current Automatically controls the time taken for the motor to start. <u>RANGE:</u> • Off : The ramp time depends on the "Start Time" and "Current • O • Off (0) Limit." • On : The ramp time depends on the "Start Time" and "Current • O • Off (0) Limit." • On : The ramp time depends on the "Start Time" and "Current • O • Off (0) Limit."	On : The initial torque is increased until the moto	r starts to	• 1		
MODBUS ADDRESS:       MODBUS FORMAT:         19840 (4D80 hex )       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Advanced → Automatic Settings → Automatic Pedestal         P2.1 - AuroMATIC RAMP       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • 0       • Off (0)         • On : The torque is adjusted to suit the load.       • 1         MODBUS ADDRESS:       MODBUS FORMAT:         20352 (4F80 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Hous FORMAT:         Home → Advanced → Automatic Settings → Automatic Ramp       Read/Write         P2.2 - AUTOMATIC END START (1)       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         Automatically controls the time taken for the motor to start.       Read/Write         Automatically controls the time taken for the motor to start.       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • Off : The ramp time depends on the "Start Time" and "Current       •	rotate at a moderate speed.				
19840 (4D80 hex )       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Advanced → Automatic Settings → Automatic Pedestal         P2.1 - AUTOMATIC RAMP       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • 0       • Off (0)         • 0n : The torque is adjusted to suit the load.       • 1         MODBUS ADDRESS:       MODBUS FORMAT:         20352 (4F80 hex )       16-bit unsigned         TOUCHSCREEN MENU PATH:       HOUD. REG. TYPE:         Home → Advanced → Automatic Settings → Automatic Ramp       Read/Write         P2.2 - AUTOMATIC END START (1)       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         Automatically controls the time taken for the motor to start.       Read/Write         Automatically controls the time taken for the motor to start.       OFF AULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)	MODBUS ADDRESS:		<u>Modbus Fo</u>	<u>ORMAT:</u>	
TOUCHSCREEN MENU PATH:         Home → Advanced → Automatic Settings → Automatic Pedestal         P2.1 - AUTOMATIC RAMP         DESCRIPTION:       Read/Write         Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."       Read/Write         Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."       OBUS DECIMAL VALUE:       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • 0       • Off (0)       • 0         • On : The torque is adjusted to suit the load.       • 1       MODBUS FORMAT:         20352 (4F80 hex)       16-bit unsigned       10UCHSCREEN MENU PATH:         Home → Advanced → Automatic Settings → Automatic Ramp       HOLD. REG. TYPE:         P2.2 - AUTOMATIC END START (1)       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         Automatically controls the time taken for the motor to start.       BANGE:       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • On :	19840 ( 4D80 hex )		16-bit ur	nsigned	
Home → Advanced → Automatic Settings → Automatic Pedestal         P2.1 - AutomAtic Ramp         DESCRIPTION:       Read/Write         Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."       Read/Write         Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."       0       • Off : The ramp time depends on the "Start Time" and "Current	<u>Touchscreen Menu Path:</u>				
P2.1 - AUTOMATIC RAMP       HOLD. REG. TYPE: Read/Write         DESCRIPTION:       Read/Write         Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • 0n : The torque is adjusted to suit the load.       • 1         MODBUS ADDRESS:       MODBUS FORMAT:         20352 (4F80 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       HOID. REG. TYPE:         Home ⇒ Advanced ⇒ Automatic Settings ⇒ Automatic Ramp       P2.2 - AUTOMATIC END START (1)         PESCRIPTION:       Read/Write         Automatically controls the time taken for the motor to start.       Read/Write         Automatically controls the time taken for the motor to start.       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • On : The ramp time is shortened if the motor is at speed before       • 1         • On : The ramp time is shortened if the motor is at speed before       • 1         the end of the "Start Time."       • 1	Home $\rightarrow$ Advanced $\rightarrow$ Automatic Settings $\rightarrow$ Automat	tic Pedestal			
DESCRIPTION:       Read/Write         Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."       MOBBUS DECIMAL VALUE:       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • On : The torque is adjusted to suit the load.       • 1         MODBUS ADDRESS:       MODBUS FORMAT:         20352 (4F80 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       16-bit unsigned         Home → Advanced → Automatic Settings → Automatic Ramp       HOLD. REG. TYPE:         P2.2 - Auromatric END Start (1)       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         Automatically controls the time taken for the motor to start.       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0         • Off : The ramp time depends on the "Start Time" and "Current       • 0         • Off : The ramp time is shortened if the motor is at speed before       • 1         • On : The ramp time is shortened if the motor is at speed before       • 1	P2 1 - ΔΙΙΤΟΜΑΤΙC RAMP			HOLD REG TYPE	
Interview         Automatically controls the torque applied to the motor during the soft start by automatically adjusting "Start Time" and "Current Limit."         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • 0       • Off (0)         20352 (4F80 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home > Advanced > Automatic Settings > Automatic Ramp         P2.2 - AUTOMATIC END START (1)       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         Automatically controls the time taken for the motor to start.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • On : The ramp time is shortened if the motor is at speed before the end of the "S	DESCRIPTION'			Read/Write	
Matching with one the forget upplied to the motor during the solid start by datamated by d	Automatically controls the torque applied to the m	otor during the	soft start h	/ automatically	
RANGE:MODBUS DECIMAL VALUE:DEFAULT (DECIMAL):• Off : The ramp time depends on the "Start Time" and "Current Limit."• 0• Off (0)• On : The torque is adjusted to suit the load.• 1MODBUS ADDRESS: 20352 (4F80 hex)MODBUS FORMAT: 16-bit unsigned20352 (4F80 hex)16-bit unsignedTOUCHSCREEN MENU PATH: Home $\Rightarrow$ Advanced $\Rightarrow$ Automatic Settings $\Rightarrow$ Automatic RampHOLD. REG. TYPE: Read/WriteP2.2 - AUTOMATIC END START (1)HOLD. REG. TYPE: Read/WriteDESCRIPTION: Automatically controls the time taken for the motor to start.DEFAULT (DECIMAL): • Off : The ramp time depends on the "Start Time" and "Current Limit."• 0• Off : The ramp time is shortened if the motor is at speed before the end of the "Start Time."• 1	adjusting "Start Time" and "Current Limit"	otor during the	Solution	dutomatically	
<ul> <li>Off : The ramp time depends on the "Start Time" and "Current · 0 · Off (0) Limit."</li> <li>On : The torque is adjusted to suit the load. · 1 <u>MODBUS ADDRESS:</u> 20352 (4F80 hex ) 16-bit unsigned <u>TOUCHSCREEN MENU PATH</u>: Home → Advanced → Automatic Settings → Automatic Ramp</li> <li>P2.2 - AUTOMATIC END START (1) <u>DESCRIPTION</u>: Automatically controls the time taken for the motor to start. <u>RANGE:</u> · Off : The ramp time depends on the "Start Time" and "Current · 0 · Off (0) Limit."</li> <li>On : The ramp time is shortened if the motor is at speed before · 1 the end of the "Start Time."</li> </ul>	RANGE:	MODBUS DECI	MAI VALUE:	DFFAUIT (DECIMAL):	
Limit."On : The torque is adjusted to suit the load.I $MODBUS ADDRESS:$ $MODBUS FORMAT:$ $20352 (4F80 hex)$ 16-bit unsigned $TOUCHSCREEN MENU PATH:$ 16-bit unsignedHome $\rightarrow$ Advanced $\rightarrow$ Automatic Settings $\rightarrow$ Automatic Ramp $P2.2 - AUTOMATIC END START (1)$ $HOLD. REG. TYPE:$ $DESCRIPTION:$ Read/WriteAutomatically controls the time taken for the motor to start. $MODBUS DECIMAL VALUE:$ $DEFAULT (DECIMAL):$ $0$ · Off (0)Limit."· On : The ramp time depends on the "Start Time" and "Current in the end of the "Start Time."	Off : The ramp time depends on the "Start Time"	and "Current	• 0	• Off (0)	
<ul> <li>On : The torque is adjusted to suit the load.</li> <li>Interventional equation of the start Time.</li> <li>On : The torque is adjusted to suit the load.</li> <li>Interventional equation of the "Start Time.</li> <li>Interventional equation of the start Time.</li> <li>Interventional equation of the start Time.</li> </ul>	Limit."	und Guirent	Ū		
MODBUS ADDRESS:       MODBUS FORMAT:         20352 (4F80 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Advanced → Automatic Settings → Automatic Ramp         P2.2 - AUTOMATIC END START (1)       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         Automatically controls the time taken for the motor to start.       Read/Write         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • On : The ramp time is shortened if the motor is at speed before       • 1         the end of the "Start Time."       Money Formation	• On : The torque is adjusted to suit the load.		• 1		
20352 (4F80 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       16-bit unsigned         Home → Advanced → Automatic Settings → Automatic Ramp       HOLD. REG. TYPE:         P2.2 - AUTOMATIC END START (1)       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         Automatically controls the time taken for the motor to start.       Read/Write         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • On : The ramp time is shortened if the motor is at speed before       • 1         the end of the "Start Time."       Honory Exerct       • 0	MODBUS ADDRESS:		Modbus Fa	ORMAT:	
TOUCHSCREEN MENU PATH: Home → Advanced → Automatic Settings → Automatic Ramp         P2.2 - Automatic END START (1)       HOLD. Reg. Type: Read/Write         DESCRIPTION: Automatically controls the time taken for the motor to start.       Read/Write         RANGE: • Off : The ramp time depends on the "Start Time" and "Current • 0       DEFAULT (DECIMAL): • Off (0)         • On : The ramp time is shortened if the motor is at speed before the end of the "Start Time."       1	20352 ( 4F80 hex )		16-bit ur	nsigned	
Home → Advanced → Automatic Settings → Automatic Ramp         P2.2 - Automatic END START (1)       Hold. Reg. Type:         DESCRIPTION:       Read/Write         Automatically controls the time taken for the motor to start.       Read/Write         BANGE:       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • On : The ramp time is shortened if the motor is at speed before       • 1         the end of the "Start Time."       Money Forward	TOUCHSCREEN MENU PATH:			0	
P2.2 - AUTOMATIC END START (1)       HOLD. REG. TYPE: Read/Write         DESCRIPTION: Automatically controls the time taken for the motor to start.       Read/Write         • Off : The ramp time depends on the "Start Time" and "Current       0         • Off : The ramp time is shortened if the motor is at speed before       • 1         the end of the "Start Time."       • Money Formula	Home $\rightarrow$ Advanced $\rightarrow$ Automatic Settings $\rightarrow$ Automat	tic Ramp			
DESCRIPTION:       Read/Write         Automatically controls the time taken for the motor to start.       Read/Write         Automatically controls the time taken for the motor to start.       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • On : The ramp time is shortened if the motor is at speed before       • 1         the end of the "Start Time."       • 0       • 0	P2 2 - AUTOMATIC END START (1)			HOLD REG TYPE	
Automatically controls the time taken for the motor to start.       Includy write         Automatically controls the time taken for the motor to start.       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • On : The ramp time is shortened if the motor is at speed before       • 1         the end of the "Start Time."       • 0       • 0	DESCRIPTION			Read/Write	
RANGE:       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL):         • Off : The ramp time depends on the "Start Time" and "Current       • 0       • Off (0)         Limit."       • On : The ramp time is shortened if the motor is at speed before       • 1         the end of the "Start Time."       • • • • • • • • • • • • • • • • • • •	Automatically controls the time taken for the moto	r to start		Ready write	
<ul> <li>Off : The ramp time depends on the "Start Time" and "Current • 0 • Off (0) Limit."</li> <li>On : The ramp time is shortened if the motor is at speed before • 1 the end of the "Start Time."</li> </ul>	RANGE		ΜΛΙ ΥΛΙΠΕ΄	Πεελιμτ (πεςιμλι):	
<ul> <li>On : The ramp time is shortened if the motor is at speed before</li> <li>1 the end of the "Start Time."</li> </ul>	• Off : The ramp time depends on the "Start Time"	and "Current	• 0	• Off (0)	
On : The ramp time is shortened if the motor is at speed before     the end of the "Start Time."	Limit "	and current	• 0		
the end of the "Start Time."	• On : The ramp time is shortened if the motor is at	speed before	• 1		
	the end of the "Start Time."	speca sciore	-		
MODBUS ADDRESS: MODBUS FORMAT:	MODBUS ADDRESS:		Modbus Fa	ORMAT:	
19968 ( 4E00 hex ) 16-bit unsigned	19968 ( 4E00 hex )		16-bit ur	nsigned	
Touchscreen Menu Path:	Touchscreen Menu Path:			0	
Home $\rightarrow$ Advanced $\rightarrow$ Automatic Settings $\rightarrow$ Automatic End Start (1)					

	(00/1///022)	
P2.3 – AUTOMATIC STOP		<u>HOLD. REG. TYPE:</u>
DESCRIPTION:		Read/Write
Automatically controls the soft stop to suit the applica	tion.	
This feature is particularly useful with pumping applica	ations	
<u>RANGE:</u> <u>N</u>	NODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
Off : The deceleration to the point where the soft sto	p becomes • 0	• Off (0)
useful will be slower.		
• On : If the motor is lightly loaded it decelerates rapid	ly to the • 1	
point where the soft stop becomes useful.		
Modbus Address:	Modbus F	ORMAT:
20160 ( 4EC0 hex )	16-bit u	nsigned
<u>TOUCHSCREEN MENU PATH</u> :		
Home $\rightarrow$ Advanced $\rightarrow$ Automatic Settings $\rightarrow$ Automatic S	Stop	
P2.4 – AUTOMATIC STOP PROFILE		<u>Түре:</u>
Description:		Read/Write
Adjusts the response of the "Automatic Stop."		
Increase if the motor speed doesn't drop quickly end	ough.	
• When the value is set to zero, the "Automatic Stop" is	s effectively disabled.	
RANGE: MODBUS DECI	<u>MAL VALUE:</u>	<u>DEFAULT:</u>
0% – 100% linear scale	e ( 1 = 0.006104 % )	50%
0% - 100%	= (0 – 16384)	
x% / 0.0061	L04% = Modbus dec. va	lue
EX: Modbus	s value of 2900 = 17.701	6%
MODBUS ADDRESS: MODBUS FORM	MAT:	
20608 ( 5080 hex ) 16-bit unsig	gned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ Advanced $\rightarrow$ Automatic Settings $\rightarrow$ Automatic S	Stop Profile	
P2.5 – AUTOMATIC END STOP		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
Automatically controls the "Stop Time."		
RANGE: N	AODBUS DECIMAL VALUE:	DEFAULT (DECIMAL):
Off : The ramp time depends on the "Stop Time" and	"Current • 0	• Off (0)
Limit."		- (-/
• On : The ramp time is shortened if the motor reaches	a very low • 1	
speed before the end of the "Stop Time."		
MODBUS ADDRESS:	Modbus F	ORMAT:
20416 ( 4FC0 hex )	16-bit u	nsigned
TOUCHSCREEN MENU PATH:		0
Home $\rightarrow$ Advanced $\rightarrow$ Automatic Settings $\rightarrow$ Automatic E	Ind Stop	
P2 6 - AUTOMATIC IMPACT LOAD		HOLD REG TYPE
		Poad/Write
Automatically controls the maximum iEPS saving lovel		Read/ Write
	Λορρμε Πεςιλαι Μαιμε:	
<u>MANGE.</u> Off: The saving notential may be reduced on applica	vions with	DEFAULT (DECIMAL).
heavy load cycles, such as injection molding me	• • • • • • • • • • • • • • • • • • •	• OII (0)
neavy toad cycles, such as mjection motuling ma	achines	
• On • The maximum iERS saving level ("BackStop") is	achines.	
On : The maximum iERS saving level ("BackStop") is     maximum during each load cycle	achines. reset to • 1	
On : The maximum iERS saving level ("BackStop") is maximum during each load cycle.     MODBUS ADDRESS:	reset to • 1	ORMAT'
<ul> <li>On : The maximum iERS saving level ("BackStop") is maximum during each load cycle.</li> <li><u>MODBUS ADDRESS:</u> 20480 (5000 hex)</li> </ul>	achines. reset to • 1 <u>MODBUS F</u>	<u>ORMAT:</u> nsigned
<ul> <li>On : The maximum iERS saving level ("BackStop") is maximum during each load cycle.</li> <li><u>MODBUS ADDRESS:</u> 20480 (5000 hex)</li> <li><u>TOUCHSCREEN MENU PATH</u></li> </ul>	achines. reset to • 1 <u>MODBUS F</u> 16-bit u	<u>ORMAT:</u> nsigned
<ul> <li>On : The maximum iERS saving level ("BackStop") is maximum during each load cycle.</li> <li><u>MODBUS ADDRESS:</u> 20480 (5000 hex)</li> <li><u>TOUCHSCREEN MENU PATH</u>: Home → Advanced → Automatic Settings → Automatic level</li> </ul>	achines. reset to • 1 <u>MODBUS F</u> 16-bit u	<u>ORMAT:</u> nsigned

#### PARAMETER DETAILS – "ADVANCED" MENU OF PARAMETERS (CONTINUED)

Р2.7 – Аито Ѕмоотн Ѕтор			HOLD. REG. TYPE:
DESCRIPTION:			Read/Write
Automatically controls the soft stop	to eliminate oscillations that ca	n occur tov	wards the end of
the ramp.			
<u>Range:</u>	<u>Modbus Decim</u>	al Value:	DEFAULT (DECIMAL):
• Off : The soft stop is not adjusted,	and torque fluctuations	• 0	• Off (0)
may cause instability. This ca	n often occur in pumping		
applications.			
On : The soft stop is adjusted when	n oscillations are detected.	• 1	
Refer to "Auto smoothing Leve	el."		
Modbus Address:	<u>^</u>	<u>Aodbus Fo</u>	RMAT:
20224 ( 4F00 hex )		16-bit un	signed
<u>TOUCHSCREEN MENU PATH:</u>			
Home $\rightarrow$ Advanced $\rightarrow$ Automatic Sett	ngs → Auto Smooth Stop		
P2.8 – AUTO SMOOTHING LEVEL			<u>TYPE:</u>
Description:			Read/Write
Adjusts the response of the "Automa	tic smoothing."		
Increase to provide a greater smoo	othing effect if there are torque f	luctuation	s that occur during
the soft stop.			-
• When set to zero, the smoothing is	effectively disabled.		
<u>Range:</u>	MODBUS DECIMAL VALUE:		<u>DEFAULT:</u>
10% - 100%	linear scale ( 1 = 0.00610	)4 % )	50%
	10% - 100% = (1638 - 16)	5384)	
	x% / 0.006104% = Modb	us dec. val	lue
	EX: Modbus value of 290	0 = 17.701	6%
Modbus Address:	Modbus Format:		
20672 ( 50C0 hex )	16-bit unsigned		
TOUCHSCREEN MENU PATH:			
Home $\rightarrow$ Advanced $\rightarrow$ Automatic Sett	ngs $\rightarrow$ Auto Smoothing Level		
P2.9 – AUTOMATIC END START (2)			HOLD. REG. TYPE:
Description:			Read/Write
Automatically controls the time take	n for the motor to start.		
RANGE:	Modbus Decim	al Value:	DEFAULT (DECIMAL):
Off : The ramp time depends on th	e "Start Time" and "Current	• 0	• Off (0)
Limit."			
• On : The ramp time is shortened if	the motor current falls below	• 1	
the current limit level before t	he end of the "Start Time."		
MODBUS ADDRESS:	Δ	<u> Лодвиs Fo</u>	RMAT:
19904 ( 4DC0 hex )		16-bit un	signed
Touchscreen Menu Path:			
Home $\rightarrow$ Advanced $\rightarrow$ Automatic Sett	ngs $\rightarrow$ Automatic End Start (2)		

# **PARAMETER DETAILS – "ADVANCED" MENU OF PARAMETERS (CONTINUED)**

		Hais Dea Trees			
P2.10 – AUTOMATIC END START (3)		HOLD. REG. TYPE:			
<u>DESCRIPTION:</u>		Read/Write			
Automatically controls the time taken fo	r the motor to start.				
<u>Range:</u>	RANGE: MODBUS DECIMAL VALUE: 1				
<ul> <li>Off : The ramp time depends on the "S Limit."</li> </ul>	tart Time" and "Current • 0	• Off (0)			
• On : The ramp time is shortened if torq before the end of the "Start Time."	ue fluctuations occur • 1				
MODBUS ADDRESS:	Modbus Fo	<u>DRMAT:</u>			
20032 ( 4E40 hex )	16-bit ur	nsigned			
TOUCHSCREEN MENU PATH:					
Home $\rightarrow$ Advanced $\rightarrow$ Automatic Settings	→ Automatic End Start (3)				
P2.11 – <b>RATE END START (3)</b> <u>TYPE:</u>					
Description:		Read/Write			
Adjusts the response of the "Automatic E	Adjusts the response of the "Automatic End Start(3)."				
• Increase to provide a greater smoothing effect if torgue fluctuations occur during the soft start.					
<ul> <li>When set to zero, the smoothing is effectively disabled.</li> </ul>					
RANGE:	Modbus Decimal Value:	<u>DEFAULT:</u>			
0% - 100%	linear scale ( 1 = 0.006104 % )	50%			
	0% - 100% = (0 - 16384)				
	x% / 0.006104% = Modbus dec. value				
	EX: Modbus value of 2900 = 17.7016%				
MODBUS ADDRESS:	<u>Modbus Format:</u>				
768 ( 300 hex )	16-bit unsigned				
<u>TOUCHSCREEN MENU PATH:</u>					
Home $\rightarrow$ Advanced $\rightarrow$ Automatic Settings $\rightarrow$ Rate End Start (3)					

# **PARAMETER DETAILS – "ADVANCED" MENU OF PARAMETERS (CONTINUED)**

# Advanced "Start Settings" Parameters

P3.0 <b>– Start Time</b>		<u>Түре:</u>	
DESCRIPTION:		Read/Write	
Time taken to soft start from the "Start Pec	lestal" to the end of the start.		
<ul> <li>Normally set between 5 and 30 seconds.</li> </ul>			
<ul> <li>Actual time to get to full voltage depends</li> </ul>	on the "Start Current Limit Level		
• If set too long the motor can be at speed before the end of the time set; refer to "Automatic End			
Start."			
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>	
1s – 300s	Linear Scaling ( 1 = 1s )	10s	
MODBUS ADDRESS:	<u>Modbus Format:</u>		
7104 ( 1BC0 hex )	16-bit unsigned		
<u>Touchscreen Menu Path</u> :			
Advanced - Start Settings - Start Time			

A	AMETER DETAILS ADVANCED TIENO	OF I ANAMETER		<b>'</b>	
1	P3.1 – START PEDESTAL				HOLD. REG. TYPE:
	DESCRIPTION:				Read/Write
	<ul> <li>Percentage of the supply voltage approximately set to the supply voltage approximately set to the supply se</li></ul>	oplied to motor	at the beginnin	g of the so	ft start.
	<ul> <li>Increase to provide more torque If t</li> </ul>	the load fails to l	break away.		
	<ul> <li>Decrease if the motor accelerates to</li> </ul>	oo quickly.			
	<u>Range:</u>	Modbus Decima	<u>l Value:</u>		<u>DEFAULT:</u>
	10% - 100%	linear scale ( 1	L = 0.006104 %	)	20%
		10% - 100% =	(1638 – 16384)		
		x%/0.006104	% = Modbus de	ec. value	
		EX: Modbus va	alue of 2900 = 1	7.7016%	
	Modbus Address:	MODBUS FORMAT	<u>r:</u>		
	704 ( 2C0 hex )	16-bit unsigne	ed		
	TOUCHSCREEN MENU PATH:				
	Home $\rightarrow$ Advanced $\rightarrow$ Start Settings $\rightarrow$	Start Pedestal			
	P3.2 – START CURRENT LIMIT TRIP				HOLD. REG. TYPE:
	Description:				Read/Write
	Selects between trip or continue if the	e current limit h	as been active	for too lon	g.
	<u>Range:</u>		MODBUS DECIM	1al Value:	<u>DEFAULT (DECIMAL):</u>
	<ul> <li>Off : The start will continue regardle</li> </ul>	ess of the motor	current	• 0	
	level.				
	• On : The SR55 will trip. This trip is c	constrained by t	he Start	• 1	• On (1)
	Current Limit Level and the Sta	art Current Limit	Time.		
	<u>Modbus Address:</u>		<u> </u>	Modbus FC	<u>DRMAT:</u>
	53790 ( D21E hex )			16-bit un	isigned
	<u>Touchscreen Menu Path</u> :				
	Home $\rightarrow$ Advanced $\rightarrow$ Start Settings $\rightarrow$	Start Current Lir	nit Trip		
L	(also Home $\rightarrow$ Advanced $\rightarrow$ Trip Setting	$gs \rightarrow Start Current$	nt Limit Trip)		
1	P3.3 – Start Current Limit Level			<u>Holdin</u>	IG REGISTER TYPE:
	DESCRIPTION:			Read	d/Write
	The current in Amps which the soft st	art ramp is not a	allowed to go a	bove.	
	<ul> <li>Normally set to 350% of motor FLA.</li> </ul>				
	Increase if motor fails to accelerate	at required rate			
	The "Current Limit Level" will effect	t actual time to s	start. If set too	low the me	otor may not
	accelerate to full speed.			0	_
	<u>KANGE:</u>	<u>INIODBUS D</u>	<u>ECIMAL VALUE:</u>	DEFAUL	<u>./:</u> X
	100% motor FLA – 450% SR55 rated A	Linear S	cale ( 1 = 1mA )	350%	% motor FLA
	MODBUS ADDRESS:	IC hit w	<u>DRIMAT:</u>		
		16-DIt ur	isigned		
	<u>IUUCHSCREEN WENU PAIH</u> .	Start Current Li	mit > Start Curr	ont limit l	aval
	$Home \rightarrow Advanced \rightarrow Start Settings \rightarrow 3$	Start Current Li	mit → Start Curr	ent Limit L	evei
1	93.4 – Start Current Limit Time			<u>Holdin</u>	IG REGISTER TYPE:
	DESCRIPTION:			Read	d/Write
	The maximum time allowed for the current limit.				
	<ul> <li>If the current limit is still active at the</li> </ul>	he end of this pe	eriod the SR55 v	will either '	trip' or 'continue.'
	<u>Range:</u>	<u>Modbus D</u>	<u>ecimal Value:</u>	<u>DEFAUL</u>	<u>.T:</u>
	• 1s - 300s	Linear S	cale ( 1 = 1s )	30s	
	MODBUS ADDRESS:	<u>Modbus Fo</u>	<u>ORMAT:</u>		
	26944 ( 6940 hex )	16-bit ur	nsigned		
	<u>Touchscreen Menu Path</u> :				
	Home $\rightarrow$ Advanced $\rightarrow$ Start Settings $\rightarrow$	Start Current Lir	nit → Start Curr	ent Limit T	īme

# PARAMETER DETAILS - "ADVANCED" MENU OF PARAMETERS (CONTINUED)
	· ·	
Р3.5 <b>– Кіск Start</b>	<u>H</u>	<u>OLD. REG. TYPE:</u>
Description:		Read/Write
Applies a short duration torque pulse to dislod	ge 'sticky' loads.	
<u>Range:</u>	MODBUS DECIMAL VALUE: D	<u>EFAULT (DECIMAL):</u>
Off : The initial starting torque is defined by t	he "Start Pedestal." • 0	• Off (0)
<ul> <li>On : The torque pulse is applied at start-up, v</li> </ul>	when complete the • 1	
torque drops to the "Start Pedestal."		
MODBUS ADDRESS:	<u>Modbus Form</u>	<u>1AT:</u>
320 ( 140 hex )	16-bit unsig	gned
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Advanced $\rightarrow$ Start Settings $\rightarrow$ Kick Start		
(also Home $\rightarrow$ Advanced $\rightarrow$ Start Settings $\rightarrow$ Kick	Start → Kick Start)	
	· · · · · · · · · · · · · · · · · · ·	7/05/
P3.0 - KICK SIARI TIME		<u>IYPE:</u> Decel/Muite
DESCRIPTION:		Read/write
I ime that the torque pulse is applied to load.		
Increase to provide more torque if the load f	ails to break away.	
Decrease if the motor accelerates too quickly	/.	_
<u>RANGE:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
10ms – 2000ms	linear scale ( 1 = 1 ms )	100ms
Modbus Address:	<u>Modbus Format:</u>	
7040 ( 1B80 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH</u> :		
Home → Advanced → Start Settings → Kick Start	Time	
(also Home $\rightarrow$ Advanced $\rightarrow$ Start Settings $\rightarrow$ Kick	Start → Kick Start Time)	
P3.7 – KICK START PEDESTAL		ΤΥΡΕ:
DESCRIPTION'		Read/Write
Percentage of the supply voltage applied to the	e motor during the 'kick' period	
Increase to provide more torque if the load fi	ails to break away	
Decrease if the motor accelerates too quickly	/	
RANGE' MC	DRUS DECIMAL VALUE	Defailit <sup>.</sup>
30% - 80%	inear scale $(1 = 0.006104\%)$	75%
	80% - 80% = (4915 - 13106)	1370
	$\frac{1}{2}$ $\frac{1}$	
ŕ	X: Modbus value of 10500 = 64.09%	6
		0
640(280  bev)	6-bit unsigned	
Home Advanced A Start Settings A Kick Star	t > Kick Start Podostal	
P3.8 – CONTACTOR DELAY		<u>ТҮРЕ:</u>
DESCRIPTION:		Read/Write
Time allowed for external line-side contactors	to close before soft start begins.	
Increase if contactors are driven by buffer re	ays or motor trips on phase loss w	hen start signal
applied.		
Decrease if response to start signal needs to	be improved.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
20ms – 800ms	linear scale ( 1 = 1 ms )	160ms
Modbus Address:	<u>Modbus Format:</u>	
8320 ( 2080 hex )	16-bit unsigned	
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Advanced $\rightarrow$ Start Settings $\rightarrow$ Contacto	r Delay	

<b>ADVANCED</b>	"Ѕтор	<b>SETTINGS</b> "	PARAMETERS
T. NT. TT. T		·····	<u></u>

Р4.0 – <b>STOP TIME</b>		<u>TYPE:</u>
DESCRIPTION:		Read/Write
Normally set between 15 and 60 seconds.		
Actual time to get to 'Stop Pedestal' dependent	nds on the ""Stop Current Limit Lev	vel."
If set too long motor may reach zero speed	d before the end of the time set; re	fer to "Automatic
End Stop."		_
RANGE:	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
0s – 300s	linear scale (1=1s)	0s
Modbus Address:	<u>Modbus Format:</u>	
7296 ( 1C80 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH</u> :		
Home $\rightarrow$ Advanced $\rightarrow$ Stop Settings $\rightarrow$ Stop Ti	me	
P4.1 – STOP PEDESTAL		<u>TYPE:</u>
DESCRIPTION:		Read/Write
Percentage of the supply voltage applied to	the motor at the end of the soft sto	op.
Increase if the motor crawls at the end of	the soft stop.	
Decrease if greater soft-stop effect is requ	red at end of ramp.	
RANGE:	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
10% - 40%	linear scale ( 1 = 0.006104 % )	10%
	10% – 40% = (1638 – 6553)	
	x% / 0.006104% = Modbus dec. v	alue
	EX: Modbus value of 5250 = 32.05	5%
Modbus Address:	<u>Modbus Format:</u>	
896 ( 380 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ Advanced $\rightarrow$ Stop Settings $\rightarrow$ Stop Pe	edestal	
P4 2 – STOP CURRENT LIMIT TRIP		HOLD REG TYPE
DESCRIPTION'		Read/Write
Selects between 'trip' or 'continue' if the cu	rent limit has been active for too l	ong
RANGE:	MODBUS DECIMAL VALUE:	DFFAUIT (DECIMAI):
Off : The stop will continue regardless of the	motor current level. • 0	• Off (0)
On : The SR55 will trip. This trip is constrain	ed by the Stop • 1	
Current Limit Level and the Stop Currer	it Limit Time. Motor	
will coast to stop when tripped.		
MODBUS ADDRESS:	<u>Modbus Fo</u>	DRMAT:
53791 ( D21F hex )	16-bit un	isigned
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Advanced $\rightarrow$ Stop Settings $\rightarrow$ Stop C	urrent Limit → Stop Current Limit Ti	rip
(also Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ Ste	op Current Limit Trip)	

P4.3 – STOP CURRENT LIMIT LEVEL		<u>TYPE:</u>
Description:		Read/Write
The current in amps at which the soft stop i	ramp is not allowed to go above.	
Normally set to 350% motor FLA. Increase	e if motor decelerates too rapidly.	Increasing this
setting allows the motor to take longer to	decelerate.	
The current limit level will effect actual til	me to stop the motor.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
100% l-motor – 450% l-SR55	linear scale ( 1 = 1mA )	350%
		l-motor
Modbus Address:	<u>Modbus Format:</u>	
28800 ( 7080 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ Advanced $\rightarrow$ Stop Settings $\rightarrow$ Stop C	urrent Limit → Stop Current Limit	Level
P4.4 – STOP CURRENT LIMIT TIME		<u>TYPE:</u>
DESCRIPTION:		Read/Write
The maximum time allowed for the current	limit.	
If the current limit is still active at the end	l of this period the SR55 will either	'trip' or 'continue.'
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
1s – 300s	linear scale (1=1s)	10s
Modbus Address:	<u>Modbus Format:</u>	
28864 ( 70C0 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ Advanced $\rightarrow$ Stop Settings $\rightarrow$ Stop C	urrent Limit → Stop Current Limit	Time

# Advanced "Motor Protection" Parameters

	<u> (EG. TYPE:</u>
DESCRIPTION: Read	l/Write
<ul><li>This should be set to the Full Load Current shown on the motor plate.</li><li>The overload works with multiples of the set "Motor Current" (i-motor).</li><li>Also referred to as Motor FLA.</li></ul>	
RANGE: <u>MODBUS DECIMAL VALUE:</u> <u>DEFAUL</u>	<u>T:</u>
10% I-rated – 100% I-rated         linear scale (1 = 1mA)         100%	∕₀ I-rated
MODBUS ADDRESS: MODBUS FORMAT:	
25728/25729 ( 6480/6481 hex ) 32-bit unsigned	
<u>Touchscreen Menu Path</u> :	
Home → Advanced → Motor Protection → Motor Current	
(also Home $\rightarrow$ Auto Setup $\rightarrow$ Motor Current)	

P5.1 - TRIP CLASS		HOLD REG TYPE
DESCRIPTION:		Read/Write
The trip class is a numeric value that	correlates the trip time with overload le	evel Select "Trip
Class" according to application requ	irements.	
The trip time depends on the selecte	d Trip Class, the duration of the overloa	d and the level of
the overcurrent. Refer to the Motor (	Overload 'cold' trip curves given in the Q	Duick-Start Guide.
When "Class 20" or "Class30" are sele	ected, the SR55 current rating will be red	- duced to a lower
value.		
<u>Range:</u>	<u>MODBUS DECIMAL VALUE:</u>	<u>DEFAULT (DECIMAL):</u>
• 10	• 10	• 10 (10)
• 20	• 20	
• 30	• 30	
<u>Modbus Address:</u>	Modbus Fo	<u>DRMAT:</u>
25664 ( 6440 hex )	16-bit ur	nsigned
<u>TOUCHSCREEN MENU PATH</u> :		
Home $\rightarrow$ Advanced $\rightarrow$ Motor Protection	→ Trip Class	
P5.2 – LOW CURRENT TRIP		HOLD. REG. TYPE:
Description:		Read/Write
This can be used to detect if the motor	is running lightly loaded.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
• Off : The SR55 will continue to operat	te regardless of motor • 0	• Off (0)
current.		
<ul> <li>On : The SR55 will trip when lower th</li> </ul>	an expected current draw • 1	
occurs. This trip is constrained b	by the Low Current Trip	
Level and the Low Current Trip T	ime. This feature is not	
active during soft start and soft s	stop.	
MODBUS ADDRESS:	<u>Modbus Fo</u>	<u>DRMAT:</u>
53787 ( D21B hex )	16-bit ur	isigned
<u>IOUCHSCREEN MENU PAIH</u> :		
(also Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings	$\rightarrow$ Low Current Settings $\rightarrow$ Low Current T $\Rightarrow$ Low Current Trip)	пр
P5.3 – LOW CURRENT TRIP LEVEL		Түре:
Description:		Read/Write
The current in Amps that will cause a t	rip.	
• A trip will occur if the motor current i	s less than the "Trip Level" for the "Trip	Time."
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
25% l-motor – 100% l-motor	linear scale (1=1mA)	25%
		I-motor
<u>Modbus Address:</u>	<u>Modbus Format:</u>	
26304 ( 66C0 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ Advanced $\rightarrow$ Motor Protection	→ Low Current Settings → Low Current T	rip Level
P5.4 – Low Current Trip Time		ΤΥΡΕ:
Description:		 Read/Write
The trip time for the Low current trip.		
• A trip will occur if the motor current	is less than the "Trip Level" for the "Trip	o Time."
RANGE:	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
100ms – 9000ms	linear scale ( 1 = 1 ms )	100ms
MODBUS ADDRESS:	MODBUS FORMAT:	
26368 ( 6700 hex )	16-bit unsigned	
TOUCHSCREEN MENU DATU:		
IUUCHSCREEN IVIENU PAIH.		

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	- ( )	
P5.5 – <b>Shearpin Trip</b>		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
The shearpin is an electronic equivalent of	a mechanical shearpin.	
<ul> <li>This feature is not active during soft start</li> </ul>	t and soft stop.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
Off : The SR55 will continue to operate re	gardless of motor • 0	
current level.		
• On : The SR55 will trip. This trip is constr	ained by the Shearpin • 1	• On (1)
Trip Current and the Shearpin Trip T	ime.	
MODBUS ADDRESS:	<u>Modbus F</u>	<u>ORMAT:</u>
53793 ( D221 hex )	16-bit u	nsigned
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Advanced $\rightarrow$ Motor Protection $\rightarrow$ Sh	nearpin Settings → Shearpin Trip	
(also Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ S	hearpin Trip)	
P5.6 – SHEARPIN TRIP CURRENT		<u>Түре:</u>
DESCRIPTION:		Read/Write
The current in Amps that will cause a "She	arpin Trip."	
• A trip will occur if the motor current is gr	eater than the "Trip Level" for the "	'Trip Time."
<u>Range:</u>	MODBUS DECIMAL VALUE:	DEFAULT:
100% I-motor – 450% I-SR55	linear scale (1 = 1mA)	450%
		I-SR55
Modbus Address:	<u>Modbus Format:</u>	
27584 ( 6BC0 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ Advanced $\rightarrow$ Motor Protection $\rightarrow$ Sh	earnin Settings → Shearnin Trin Cu	rrent
	icarpin settings / shearpin mp ca	
P5.7 – SHEARPIN TRIP TIME	icarpin sectings / shearpin rnp ca	Түре:
P5.7 – SHEARPIN TRIP TIME DESCRIPTION:		<u>Type:</u> Read/Write
P5.7 – <b>SHEARPIN TRIP TIME</b> <u>DESCRIPTION:</u> The trip time for the Shearpin trip.		<u>Type:</u> Read/Write
P5.7 – SHEARPIN TRIP TIME <u>DESCRIPTION:</u> The trip time for the Shearpin trip.         • A trip will occur if the motor current is gr	reater than the "Trip Level" for the "	<u>Type:</u> Read/Write
P5.7 – SHEARPIN TRIP TIME <u>DESCRIPTION:</u> The trip time for the Shearpin trip.         • A trip will occur if the motor current is gr         RANGE:	reater than the "Trip Level" for the " MODBUS DECIMAL VALUE:	<u>Type:</u> Read/Write Trip Time." DEFAULT:
P5.7 – SHEARPIN TRIP TIME         DESCRIPTION:         The trip time for the Shearpin trip.         • A trip will occur if the motor current is gr         RANGE:         100ms – 9000ms	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms)	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms
P5.7 – SHEARPIN TRIP TIME         DESCRIPTION:         The trip time for the Shearpin trip.         • A trip will occur if the motor current is gr         RANGE:         100ms – 9000ms         MODBUS ADDRESS:	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) MODBUS FORMAT:	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms
P5.7 – SHEARPIN TRIP TIME <u>DESCRIPTION:</u> The trip time for the Shearpin trip.         • A trip will occur if the motor current is gr <u>RANGE:</u> 100ms – 9000ms <u>MODBUS ADDRESS:</u> 27648 ( 6C00 hex )	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms
P5.7 – SHEARPIN TRIP TIME <u>DESCRIPTION:</u> The trip time for the Shearpin trip.         • A trip will occur if the motor current is gr <u>RANGE:</u> 100ms – 9000ms <u>MODBUS ADDRESS:</u> 27648 ( 6C00 hex )         TOUCHSCREEN MENU PATH:	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms
P5.7 - SHEARPIN TRIP TIME <u>DESCRIPTION:</u> The trip time for the Shearpin trip.         • A trip will occur if the motor current is gr <u>RANGE:</u> 100ms - 9000ms <u>MODBUS ADDRESS:</u> 27648 ( 6C00 hex ) <u>TOUCHSCREEN MENU PATH</u> :         Home → Advanced → Motor Protection → Sh	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned nearpin Settings → Shearpin Trip Tin	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms
P5.7 – SHEARPIN TRIP TIME $DESCRIPTION:$ The trip time for the Shearpin trip.• A trip will occur if the motor current is gr $RANGE:$ 100ms – 9000ms $MODBUS ADDRESS:$ 27648 ( 6C00 hex ) $TOUCHSCREEN MENU PATH:$ Home $\Rightarrow$ Advanced $\Rightarrow$ Motor Protection $\Rightarrow$ Sh	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned nearpin Settings → Shearpin Trip Tin	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms
P5.7 – SHEARPIN TRIP TIMEDESCRIPTION:The trip time for the Shearpin trip.• A trip will occur if the motor current is grRANGE:100ms – 9000msMODBUS ADDRESS:27648 ( 6C00 hex )TOUCHSCREEN MENU PATH:Home $\rightarrow$ Advanced $\rightarrow$ Motor Protection $\rightarrow$ ShP5.8 – OVERLOAD TRIPDESCRIPTION:	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned nearpin Settings → Shearpin Trip Tin	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms <u>HOLD. REG. Type:</u> Pood (Write
P5.7 – SHEARPIN TRIP TIME         DESCRIPTION:         The trip time for the Shearpin trip.         • A trip will occur if the motor current is gr         RANGE:         100ms – 9000ms         MODBUS ADDRESS:         27648 ( 6C00 hex )         TOUCHSCREEN MENU PATH:         Home $\rightarrow$ Advanced $\rightarrow$ Motor Protection $\rightarrow$ Sh         P5.8 – OVERLOAD TRIP         DESCRIPTION:         The everload is an electronic equivalent to	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned hearpin Settings → Shearpin Trip Tin	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms ne <u>HOLD. REG. Type:</u> Read/Write
PS.7 – SHEARPIN TRIP TIME $DESCRIPTION:$ The trip time for the Shearpin trip.• A trip will occur if the motor current is gr $RANGE:$ 100ms – 9000ms $MODBUS ADDRESS:$ 27648 ( 6C00 hex ) $TOUCHSCREEN MENU PATH:$ Home $\Rightarrow$ Advanced $\Rightarrow$ Motor Protection $\Rightarrow$ Sh $P5.8 - OVERLOAD TRIP$ $DESCRIPTION:$ The overload is an electronic equivalent to (See Overload parameter address 22408 for	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned hearpin Settings → Shearpin Trip Tin a thermal overload.	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms ne <u>HOLD. REG. Type:</u> Read/Write
PS.7 – SHEARPIN TRIP TIME $DESCRIPTION:$ The trip time for the Shearpin trip.• A trip will occur if the motor current is gr $RANGE:$ 100ms – 9000ms $MODBUS ADDRESS:$ 27648 ( 6C00 hex ) $TOUCHSCREEN MENU PATH:$ Home $\Rightarrow$ Advanced $\Rightarrow$ Motor Protection $\Rightarrow$ Sh $P5.8 - OVERLOAD TRIP$ $DESCRIPTION:$ The overload is an electronic equivalent to (See Overload parameter address 33408 fo	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned hearpin Settings → Shearpin Trip Tin a thermal overload. r more information about Overload	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms <u>HOLD. REG. Type:</u> Read/Write
PS.7 – SHEARPIN TRIP TIME $DESCRIPTION:$ The trip time for the Shearpin trip.• A trip will occur if the motor current is gr $RANGE:$ 100ms – 9000ms $MODBUS ADDRESS:$ 27648 ( 6C00 hex ) $TOUCHSCREEN MENU PATH:$ Home $\Rightarrow$ Advanced $\Rightarrow$ Motor Protection $\Rightarrow$ Sh $P5.8 - OVERLOAD TRIP$ $DESCRIPTION:$ The overload is an electronic equivalent to (See Overload parameter address 33408 fo $RANGE:$ • Off: The SEEE will continue to operate reference	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned hearpin Settings → Shearpin Trip Tin a thermal overload. r more information about Overload <u>MODBUS DECIMAL VALUE:</u> a contered	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms <u>HOLD. REG. Type:</u> Read/Write
PS.7 – SHEARPIN TRIP TIME $DESCRIPTION:$ The trip time for the Shearpin trip.• A trip will occur if the motor current is gr $RANGE:$ 100ms – 9000ms $MODBUS ADDRESS:$ 27648 ( 6C00 hex ) $TOUCHSCREEN MENU PATH:$ Home $\rightarrow$ Advanced $\rightarrow$ Motor Protection $\rightarrow$ Sh $P5.8 - OVERLOAD TRIP$ $DESCRIPTION:$ The overload is an electronic equivalent to (See Overload parameter address 33408 fo $RANGE:$ • Off : The SR55 will continue to operate re current level	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned hearpin Settings → Shearpin Trip Tin a thermal overload. r more information about Overload <u>MODBUS DECIMAL VALUE:</u> gardless of motor • 0	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms <u>HOLD. REG. Type:</u> Read/Write
P5.7 – SHEARPIN TRIP TIME $DESCRIPTION:$ The trip time for the Shearpin trip.• A trip will occur if the motor current is gr $RANGE:$ 100ms – 9000ms $MODBUS ADDRESS:$ 27648 ( 6C00 hex ) $TOUCHSCREEN MENU PATH:$ Home $\rightarrow$ Advanced $\rightarrow$ Motor Protection $\rightarrow$ Sh $P5.8 - OVERLOAD TRIP$ $DESCRIPTION:$ The overload is an electronic equivalent to (See Overload parameter address 33408 fo $RANGE:$ • Off : The SR55 will continue to operate re current level.• On : The SR55 will trip when the "Overload"	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned hearpin Settings → Shearpin Trip Tin a thermal overload. r more information about Overload <u>MODBUS DECIMAL VALUE:</u> gardless of motor • 0 ad" capacity exceeds • 1	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms <u>HOLD. REG. Type:</u> Read/Write I.) <u>DEFAULT (DECIMAL):</u>
<ul> <li>P5.7 - SHEARPIN TRIP TIME         <u>DESCRIPTION:</u>         The trip time for the Shearpin trip.         <ul> <li>A trip will occur if the motor current is gr</li> <li>RANGE:                 100ms - 9000ms</li> <li><u>MODBUS ADDRESS:</u>                 27648 ( 6C00 hex )             </li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>:         Home → Advanced → Motor Protection → Sh</li> <li>P5.8 - OVERLOAD TRIP         <u>DESCRIPTION:</u>         The overload is an electronic equivalent to                 (See Overload parameter address 33408 fo          <u>RANGE:</u> <ul> <li>Off : The SR55 will continue to operate recurrent level.</li> <li>On : The SR55 will trip when the "Overload                 the motor current level chosen in Overload                 the motor current level chosen in Overload                 the motor current level chosen in Overload</li></ul></li></ul>	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned hearpin Settings → Shearpin Trip Tin a thermal overload. r more information about Overload <u>MODBUS DECIMAL VALUE:</u> rgardless of motor • 0 ad" capacity exceeds • 1 verload Level and Trip	Type: Read/Write Trip Time." DEFAULT: 100ms Me <u>HOLD. REG. TYPE:</u> Read/Write .) DEFAULT (DECIMAL): • On (1)
<ul> <li>P5.7 - SHEARPIN TRIP TIME         <u>DESCRIPTION:</u>         The trip time for the Shearpin trip.         <ul> <li>A trip will occur if the motor current is gr</li> <li>RANGE:                 100ms - 9000ms</li> <li><u>MODBUS ADDRESS:</u>                 27648 (6C00 hex)</li> <li><u>TOUCHSCREEN MENU PATH</u>:                 Home → Advanced → Motor Protection → Sh</li> </ul> </li> <li>P5.8 - OVERLOAD TRIP         <ul> <li><u>DESCRIPTION:</u></li> <li>The overload is an electronic equivalent to (See Overload parameter address 33408 fo</li> <li><u>RANGE:</u></li> <li>Off : The SR55 will continue to operate recurrent level.</li> <li>On : The SR55 will trip when the "Overload the motor current level chosen in Overload the motor current level chosen in Ove</li></ul></li></ul>	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned mearpin Settings → Shearpin Trip Tin a thermal overload. r more information about Overload <u>MODBUS DECIMAL VALUE:</u> rgardless of motor • 0 ad" capacity exceeds • 1 verload Level and Trip	Type: Read/Write Trip Time." DEFAULT: 100ms Me <u>HOLD. REG. Type:</u> Read/Write I.) DEFAULT (DECIMAL): • On (1)
<ul> <li>P5.7 - SHEARPIN TRIP TIME         <u>DESCRIPTION:</u>             The trip time for the Shearpin trip.             • A trip will occur if the motor current is gr             <u>RANGE:</u>             100ms - 9000ms             <u>MODBUS ADDRESS:</u>             27648 ( 6C00 hex )             <u>TOUCHSCREEN MENU PATH</u>:             Home → Advanced → Motor Protection → Sh         </li> </ul> <li>P5.8 - OVERLOAD TRIP         <u>DESCRIPTION:</u>         The overload is an electronic equivalent to (See Overload parameter address 33408 fo         <u>RANGE:</u>         • Off: The SR55 will continue to operate recurrent level.         • On: The SR55 will trip when the "Overload the motor current level chosen in Overload the motor current level chosen in Over</li>	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned mearpin Settings → Shearpin Trip Tin a thermal overload. r more information about Overload <u>MODBUS DECIMAL VALUE:</u> gardless of motor • 0 ad" capacity exceeds • 1 verload Level and Trip MODBUS FORMAL Second	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms <u>HOLD. REG. Type:</u> Read/Write I.) <u>DEFAULT (DECIMAL):</u> • On (1)
P5.7 – SHEARPIN TRIP TIME          DESCRIPTION:         The trip time for the Shearpin trip.         • A trip will occur if the motor current is gr         RANGE:         100ms – 9000ms         MODBUS ADDRESS:         27648 (6C00 hex )         TOUCHSCREEN MENU PATH:         Home → Advanced → Motor Protection → Sh         P5.8 – OVERLOAD TRIP         DESCRIPTION:         The overload is an electronic equivalent to (See Overload parameter address 33408 fo         RANGE:         • Off : The SR55 will continue to operate recurrent level.         • On : The SR55 will trip when the "Overload the motor current level chosen in Overload the motor current level cho	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned hearpin Settings → Shearpin Trip Tin a thermal overload. r more information about Overload <u>MODBUS DECIMAL VALUE:</u> ogardless of motor • 0 ad" capacity exceeds • 1 verload Level and Trip <u>MODBUS For</u> 16-bit un	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms <u>Me</u> <u>HOLD. REG. Type:</u> Read/Write .) <u>DEFAULT (DECIMAL):</u> • On (1) <u>ORMAT:</u> nsigned
P5.7 - SHEARPIN TRIP TIME          DESCRIPTION:         The trip time for the Shearpin trip.         • A trip will occur if the motor current is gr         RANGE:         100ms - 9000ms         MODBUS ADDRESS:         27648 ( 6C00 hex )         TOUCHSCREEN MENU PATH:         Home → Advanced → Motor Protection → SF         P5.8 - OVERLOAD TRIP         DESCRIPTION:         The overload is an electronic equivalent to (See Overload parameter address 33408 fo         RANGE:         • Off : The SR55 will continue to operate recurrent level.         • On : The SR55 will trip when the "Overload the motor current level chosen in Overload the motor current level ch	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned hearpin Settings → Shearpin Trip Tin a thermal overload. r more information about Overload <u>MODBUS DECIMAL VALUE:</u> gardless of motor • 0 ad" capacity exceeds • 1 verload Level and Trip <u>MODBUS FORMAL VALUE</u> 16-bit un	<u>Type:</u> Read/Write Trip Time." <u>DEFAULT:</u> 100ms <u>Me</u> <u>HOLD. REG. Type:</u> Read/Write .) <u>DEFAULT (DECIMAL):</u> • On (1) <u>ORMAT:</u> nsigned
P5.7 – SHEARPIN TRIP TIME          DESCRIPTION:         The trip time for the Shearpin trip.         • A trip will occur if the motor current is gr         RANGE:         100ms – 9000ms         MODBUS ADDRESS:         27648 (6C00 hex )         TOUCHSCREEN MENU PATH:         Home → Advanced → Motor Protection → Sh         P5.8 – OVERLOAD TRIP         DESCRIPTION:         The overload is an electronic equivalent to (See Overload parameter address 33408 fo         RANGE:         • Off : The SR55 will continue to operate recurrent level.         • On : The SR55 will continue to operate recurrent level.         • On : The SR55 will trip when the "Overload the motor current level chosen in Overload the motor current lev	reater than the "Trip Level" for the " <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1 ms) <u>MODBUS FORMAT:</u> 16-bit unsigned hearpin Settings → Shearpin Trip Tin a thermal overload. r more information about Overload <u>MODBUS DECIMAL VALUE:</u> rgardless of motor • 0 ad" capacity exceeds • 1 verload Level and Trip <u>MODBUS FORMAL VALUE:</u> 16-bit un verload Settings → Overload Trip	Type: Read/Write Trip Time." DEFAULT: 100ms ne <u>HOLD. REG. TYPE:</u> Read/Write I.) DEFAULT (DECIMAL): • On (1) ORMAT: nsigned

P5.9 – Overload Level		<u>Түре:</u>
DESCRIPTION:		Read/Write
Determines the level in Amps at which <ul> <li>Normally set to 115% of the set moto</li> <li>Reduce to speed up trip response.</li> </ul>	the overload will start. or current (i-motor).	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
50% l-motor – 125% l-motor	linear scale ( 1 = 1mA )	115% I-motor
Modbus Address:	<u>Modbus Format:</u>	
28224 ( 6E40 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ Advanced $\rightarrow$ Motor Protection $\cdot$	→ Overload Settings → Overload Level	

## Advanced "IERS" PARAMETERS

HOLD. REG. TYPE:
Read/Write
<u>DEFAULT (DECIMAL):</u>
• On (1) *
<u>ORMAT:</u>
nsigned
<u>Түре:</u>
Read/Write
ecomes active.
e iERS saving
<u>DEFAULT:</u>
5s

Р6.2 <b>— IERS Rate</b>		<u>TYPE:</u>
DESCRIPTION:		Read/Write
Determines the rate at which the load is regulated during the energy saving mode.		
<ul> <li>Increase if the applications shows signs</li> </ul>	of instability.	
<ul> <li>Reduce to increase the speed of respons</li> </ul>	e.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
0% – 100%	linear scale ( 1 = 0.006104 % )	25%
	0% - 100% = (0 - 16384)	
	x% / 0.006104% = Modbus dec. value	
	EX: Modbus value of 5250 = 32.05%	
<u>MODBUS ADDRESS:</u>	<u>Modbus Format:</u>	
21184 ( 52C0 hex )	16-bit unsigned	
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Advanced $\rightarrow$ iERS $\rightarrow$ iERS Rate		
P6.3 – IERS LEVEL		TYPE:
DESCRIPTION:		Read/Write
Determines the maximum energy saving p	otential.	
Reduce if the application shows signs of	instability.	
<ul> <li>The amount of energy that can be saved</li> </ul>	may fall as the "iERS Level" is reduced.	
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
0% - 100%	linear scale ( 1 = 0.006104 % )	100%
MODBUS ADDRESS:	<u>Modbus Format:</u>	
21376 ( 5380 hex )	16-bit unsigned	
<u>Touchscreen Menu Path:</u>		
Home $\rightarrow$ Advanced $\rightarrow$ iERS $\rightarrow$ iERS Level		
P6.4 – Fixed Voltage (Level)		ΤΥΡΕ:
DESCRIPTION:		Read/Write
User settable voltage level for power calcu	lations.	,
<ul> <li>If required, can be used to improve accurate</li> </ul>	racy of power calculations.	
<ul> <li>This voltage level will be displayed on th</li> </ul>	e "Monitor" screen as Vrms (Approx) if Fiz	xed Voltage is
turned on.		C
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>Default:</u>
100V – 500V	linear scale (1=1V)	100V
MODBUS ADDRESS:	<u>Modbus Format:</u>	
35200 ( 8980 hex )	16-bit unsigned	
TOUCHSCREEN MENU PATH:	-	
Home $\rightarrow$ Advanced $\rightarrow$ iERS $\rightarrow$ Fixed Voltage (	Level)	
U		

•	,	
P6.5 – <b>FIXED VOLTAGE</b>		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
Selects the source for the voltage value used in the power calculat	ions.	
RANGE: MODBUS DEC	MAL VALUE:	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Off : kW, kVAR, and kVA are calculated using the internally</li> </ul>	• 0	• Off (0)
measured voltage. This internally measured voltage is not		
an accurate method of obtaining a voltage reading, and		
can have an error up to 35% if the starter and motor are		
unloaded or lightly loaded.		
• On : kW, kVAR, and kVA are calculated using the "Fixed Voltage."	• 1	
This voltage level will be displayed on the "Monitor" screen		
as Vrms (Approx).		
MODBUS ADDRESS:	<u>MODBUS FC</u>	DRMAT:
35264 ( 89C0 hex )	16-bit un	isigned
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Advanced $\rightarrow$ iERS $\rightarrow$ Fixed Voltage		

## Advanced "Control Method" Parameter

P7.0 – Control Method		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
<ul> <li>Local Touch Screen : Control using the button on t</li> </ul>	he keypad.	
(Digital Inputs are disabled; Digital Outputs still fu	nction as configured.)	
<ul> <li>User Programmable : Control using the terminals;</li> </ul>	function defined in "I/O" r	nenu.
<ul> <li>Two Wire Control : Control using terminals; function</li> </ul>	ons fixed as shown on scree	en.
<ul> <li>Three Wire Control : Control using terminals; funct</li> </ul>	ions fixed as shown on scr	een.
<ul> <li>Modbus Network : Control via remote Modbus net</li> </ul>	work, remote touchscreen	, or Modbus TCP /
EtherNet/IP. (Digital Inputs are disabled; Digital O	utputs still function as cor	ifigured.)
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Local Touch Screen</li> </ul>	• 0	• Local (0)
<ul> <li>User Programmable</li> </ul>	• 1	
<ul> <li>Two Wire Control</li> </ul>	• 2	
<ul> <li>Three Wire Control</li> </ul>	• 3	
<ul> <li>Modbus Network</li> </ul>	• 4	
MODBUS ADDRESS:	<u>Modbus Fo</u>	ORMAT:
59392 ( E800 hex )	16-bit un	signed
<u>Touchscreen Menu Path:</u>		
Home → Advanced → Control Method		
(also Home → Auto Setup → Control Method) (also H	ome $\rightarrow$ I/O $\rightarrow$ Digital Inputs	→ Control Method)

# Advanced "Trip Settings" Parameters

P8.0 – TRIP SENSITIVITY		<u>TYPE:</u>
Description:		Read/Write
Adjusts the reaction time to fault trips.		
<ul> <li>Increase "Trip Sensitivity" to slow the r</li> </ul>	esponse to fault trips.	
<ul> <li>Sometimes useful on sites were electric</li> </ul>	cal noise is causing nuisance tripping	•
<ul> <li>This is a global setting; increasing "Trip</li> </ul>	Sensitivity" will slow the response o	f <u>all</u> the trips.
(0% = most sensitive trip setting)		
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
0% - 100%	linear scale ( 1 = 0.006104% )	0%
	0% - 100% = (0 - 16384)	
	x% / 0.006104% = Modbus dec. va	alue
	EX: Modbus value of 5250 = 32.05	%
Modbus Address:	<u>Modbus Format:</u>	
44864 ( AF40 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>	-	
Home → Advanced → Trip Settings → Trip	Sensitivity	
DS 1 - COVER ODEN TRIP	· · · · · · · · · · · · · · · · · · ·	HOLD REG TYPE
PB.1 - COVER OPEN IRIP		Poad/Write
Ear safety purposes the SPEE bas the sh	ility to trip if the front cover is open	Read/ Write
Poi salety purposes, the SKSS has the ab		DEFAULT (DECLARAL)
<u>MANGE.</u> Off. The SDEE will continue to operate	MODBOS DECIMAL VALUE.	DEFAULT (DECTIVIAL).
• OIL The SR55 will continue to operate	vic open. This trip is	• 011 (0)
OIT. The SR55 will the indit cover	is open. This trip is • 1	
	Monnus	
E2802 (D22P box)	IC bit w	<u>ORIMAL</u>
53803 (DZZB NEX)	10-DIL UI	nsigned
<u>IOUCHSCREEN MENU PAIH</u> :		
Home $\rightarrow$ Advanced $\rightarrow$ Irip Settings $\rightarrow$ Cove	r Open Trip	
P8.2 – SHEARPIN TRIP		<u>Hold. Reg. Type:</u>
DESCRIPTION:		Read/Write
The shearpin is an electronic equivalent	of a mechanical shearpin.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Off : The SR55 will trip. This trip is cons Trip Current and the Shearpin Trip</li> </ul>	trained by the Shearpin • 0	
• On • The SR55 will trip. This feature is r	not active during soft • 1	• On (1)
start and soft stop.		
<u>Modbus Address:</u>	Modbus F	<u>ORMAT:</u>
53793 ( D221 hex )	16-bit ui	nsigned
<u>Touchscreen Menu Path</u> :		
Home → Advanced → Trip Settings → Shea	rpin Trip	
(also Home → Advanced → Motor Protecti	on $\rightarrow$ Shearpin Settings $\rightarrow$ Shearpin Tr	ip)

P8.3 – OVERLOAD TRIP			HOLD. REG. TYPE:
DESCRIPTION:			Read/Write
The overload is an electronic equivalent to a therma	al overload.		
(See Overload parameter address 33408 for more in	formation abou	ıt Overload	.)
<u>Range:</u>	<u>MODBUS DECIN</u>	MAL VALUE:	<u>DEFAULT (DECIMAL):</u>
Off : The SR55 will continue to operate regardless     current level.	of motor	• 0	
On : The SR55 will trip when the "Overload" capac	ity exceeds	• 1	• On (1)
the motor current level chosen in Overload Le	evel and Trip		
Class parameters.			
MODBUS ADDRESS:		MODBUS FO	<u>DRMAT:</u>
53792 ( D220 hex )		16-bit ur	nsigned
<u>TOUCHSCREEN MENU PATH:</u>			
Home → Advanced → Trip Settings → Overload Trip			
(also Home $\rightarrow$ Advanced $\rightarrow$ Motor Protection $\rightarrow$ Overla	bad Settings $\rightarrow$ 0	Overload Tr	ip)
P8.4 – LOW CURRENT TRIP			HOLD. REG. TYPE:
DESCRIPTION:			Read/Write
This can be used to detect if the motor is running lig	htlv loaded.		
RANGE:	MODBUS DECIN	MAL VALUE:	DEFAULT (DECIMAL):
Off : The SR55 will continue to operate regardless	of motor	• 0	• Off (0)
current.			
• On : The SR55 will trip. This feature is not active d	uring soft	• 1	
start and soft stop.			
Modbus Address:		MODBUS FO	<u>DRMAT:</u>
53787 ( D21B hex )		16-bit ur	nsigned
<u>Touchscreen Menu Path:</u>			
Home → Advanced → Trip Settings → Low Current Tri	D		
(also Home $\rightarrow$ Advanced $\rightarrow$ Motor Protection $\rightarrow$ Low C	urrent Settings	→ Low Curr	rent Trip)
P8.5 – START CURRENT LIMIT TRIP			HOLD. REG. TYPE:
DESCRIPTION:			Read/Write
Selects between trip or continue if the start current	limit has been a	active for to	oo long.
<u>Range:</u>	MODBUS DECIN	MAL VALUE:	DEFAULT (DECIMAL):
• Off : The start will continue regardless of the moto	or current	• 0	
level.			
• On : The SR55 will trip. This trip is constrained by	the Start	• 1	• On (1)
Current Limit Level and the Start Current Limit	it Time.		
MODBUS ADDRESS:		MODBUS FO	<u>DRMAT:</u>
53790 ( D21E hex )		16-bit ur	nsigned
Touchscreen Menu Path:			
Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ Start Current Lin	mit Trip		
(Home → Advanced → Start Settings → Start Current I	_imit → Start Cu	rrent Limit	Trip)

P8.6 – STOP CURRENT LIMIT TRIP		HOLD. REG. TYPE:
Description:		Read/Write
Selects between trip or continue if the stop current	limit has been active for to	o long.
RANGE:	MODBUS DECIMAL VALUE:	DEFAULT (DECIMAL):
Off : The stop will continue regardless of the moto	• current • 0	• Off (0)
level.		ζ,
• On : The SR55 will trip. This trip is constrained by	the Stop • 1	
Current Limit Level and the Stop Current Limi	it Time.	
MODBUS ADDRESS:	Modbus Fo	ORMAT:
53791 ( D21F hex )	16-bit ur	nsigned
TOUCHSCREEN MENU PATH:		
Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ Stop Current Lin	mit Trip	
(also Home $\rightarrow$ Advanced $\rightarrow$ Stop Settings $\rightarrow$ Stop Curr	ent Limit $\rightarrow$ Stop Current Li	imit Trin)
		//
P8.7 – PIC MOTOR THERMISTOR TRIP		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
A single PTC motor thermistor or set of PTC motor the	nermistors can be connect	ed to the PTC
terminals.		
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Off : The SR55 will continue to operate.</li> </ul>	• 0	• Off (0)
On : The SR55 will trip if the motor thermistor exce	eeds its • 1	
response temperature, or the PTC input is open ci	rcuit (> 4kΩ).	
Modbus Address:	Modbus Fo	<u>DRMAT:</u>
53794 ( D222 hex )	16-bit ur	nsigned
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ PTC Motor Ther	mistor Trip	
(also Home $\rightarrow$ I/O $\rightarrow$ PTC Motor Thermistor Trip)		
P8.8 – L1-L2-L3 TRIP		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
Determines if supply phase sequence is incorrect for	r motor rotation.	
RANGE'		Πεελιμτ ( <i>δε</i> ςιμλι):
Off : The SR55 will continue to operate normally	• 0	• Off (0)
• On : Trips if the phase sequence is 11.12.13	• 1	
Mongues Anneses:	MODRUS	
53808 (D230 hor)	16-bit ur	osignod
	10-511 01	Isigned
Home & Advanced & Trin Settings & 111212 Trin		
Home - Advanced - Thp Settings - EI-EZ-ES Thp		
P8.9 – L1-L3-L2 TRIP		<u>HOLD. REG. TYPE:</u>
DESCRIPTION:		Read/Write
Determines if supply phase sequence is incorrect for	r motor rotation.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
Off : The SR55 will continue to operate normally.	• 0	• Off (0)
• On : Trips if the phase sequence is L1, L3, L2.	• 1	
Modbus Address:	Modbus Fo	<u>DRMAT:</u>
53807 ( D22F hex )	16-bit ur	nsigned
Touchscreen Menu Path:		
Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ L1-L3-L2 Trip		
· · · · ·		

## PARAMETER DETAILS – "Advanced" Menu of PARAMETERS (CONTINUED)

ARAMETER DETAILS - ADVANCED MENO OFTARAMETERS	(CONTINOED)	
P8.10 – <b>Remote Start Trip</b>		<u>HOLD. REG. TYPE:</u>
DESCRIPTION:		Read/Write
For safety reasons the SR55 will trip during some opera	tions if the "Start/Stop	" signal is active.
<u>Range:</u> <u>M</u>	ODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
Off : The SR55 will not trip and may start unexpected	y if the • 0	
start signal is accidently left active.		
• On : Trips if the "Start/Stop" signal is active when the	SR55 is • 1	• On (1)
first powered up or a reset is applied.		
MODBUS ADDRESS:	Modbus Fo	<u>DRMAT:</u>
53804 ( D22C hex )	16-bit ur	nsigned
TOUCHSCREEN MENU PATH:		-
Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ Remote Start Trip		
P8.11 – CURRENT SENSOR TRIP		HOLD. REG. TYPE:
Description:		Read/Write
Detects if the internal current sensors have failed or rea	iding a very low level.	
RANGE: M	ODBUS DECIMAL VALUE:	DEFAULT (DECIMAL):
Off : Will continue to operate even if the sensor has fa	iled. • 0	• Off (0)
Measurements and overload protection may be	effected.	
• On : The SR55 will trip if the internal current sensors f	ail.orthe • 1	
current measured falls to a very low level.		
MODBUS ADDRESS'	Μοσβιις Εί	ORMAT'
53775 ( D20E hex )	16-bit ur	nsigned
ΤΟ Π CHSCREEN ΜΕΝΙΙ ΡΔΤΗ·	20 810 41	15161164
Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ Current Sensor Trip	)	
P8.12 - FAN TRIP		HOLD. REG. TYPE:
Description:		Read/Write
Detects if the on-board cooling fans have failed.		
RANGE: M	ODBUS DECIMAL VALUE:	DEFAULT (DECIMAL):
Off : Will continue to operate and is likely to trip on a -	thermal • 0	
trip as the heatsink will not be sufficiently cooled	ł.	
• On : The SR55 trips if the cooling fans fitted to the SR	55 fail. • 1	• On (1)
MODBUS ADDRESS:	Modbus Fo	DRMAT:
53782 (D216 hex)	16-bit ur	nsigned
ΤΟ Π CHSCREEN ΜΕΝΙΙ ΡΔΤΗ·	20 0.00	
Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ Fan Trip		
P8.13 – COMMUNICATIONS TRIP		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
Detects if the communications bus has failed or becom	e inactive. To keep the	bus active there
must be at least one Modbus read or write (any address	s) during the "Timeout	ms" period
(Modbus 15808).	,	
Range: M	ODBUS DECIMAI VAILIF	DEFAULT (DECIMAL).
Off : Communication trip disabled.	• 0	
On : Communication trip enabled.	• 1	• On (1)
MODBUS ADDRESS:	- Μουεις Fr	DRMAT:
53796 ( D224 bex )	16-bit ur	nsigned
TOUCHSCREEN MENU PATH	10 510 01	10101100
TOOCHOCKLEN WENO TATT.		
Home > Advanced > Trip Settings > Communications T	rin	

P8.14 – Shut Down (1) *		<u>HOLD. REG. TYPE:</u>
Description:		Read/Write
This features controls the soft stop to improve stability.		
<ul> <li>Shut Down Trip 1 is an overlap trip. If firing patterns g ramp this trip will occur.</li> </ul>	get overlapped at the b	eginning of stop
<u>Range:</u> <u>M</u>	<u>ODBUS DECIMAL VALUE:</u>	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Off : The motor will stop in the set time.</li> </ul>	• 0	
<ul> <li>On : The stop time is truncated if the motor experienc torque fluctuations during the soft stop.</li> </ul>	es severe • 1	• On (1)
MODBUS ADDRESS:	<u>Modbus Fo</u>	<u>ORMAT:</u>
53769 ( D209 hex )	16-bit ur	nsigned
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ Shut Down (1)		
P8.15 – SHUT DOWN (2) *		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
<ul> <li>This features controls the soft stop to improve stability.</li> <li>Shut Down Trip 2 is an oscillation trip. If oscillations i soft stop, then this trip will occur.</li> </ul>	n the power factor are	too great during a
<u>Range:</u> <u>M</u>	ODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Off : The motor will stop in the set time.</li> </ul>	• 0	
<ul> <li>On : The stop time is truncated if the motor experienc torque fluctuations during the soft stop.</li> </ul>	es severe • 1	• On (1)
MODBUS ADDRESS:	<u>Modbus Fo</u>	<u>ORMAT:</u>
53770 ( D20A hex )	16-bit ur	nsigned
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ Shut Down (2)		
ut Down Tring and in anarction during the soft stan ramon		

\* The Shut Down Trips are in operation during the soft stop ramp.

At the end of the soft stop ramp, occasionally the motor can become unstable due to torque fluctuations.

If the torque fluctuations get too bad then the SR55 may trip, this could cause issues with the restart. With Shut Down Trips turned on, if the torque fluctuations are experienced the SR55 will automatically stop the soft stop ramp and let the motor coast to a full stop. This stops the SR55 tripping and allows for a restart without resetting a trip. This is normally only for a very small time due to torque fluctuations occurring at the end of a soft stop ramp. If a Shut Down occurs, then it is logged in the log file but will not affect the operation of the SR55. Both shut down trips have to do with rapid changes in power factor. Soft stop smoothing will keep shut down trips from happening.

P8.16 – THYRISTOR FIRING TRIP	HOLD. REG. TYPE:
DESCRIPTION:	Read/Write
Detects if there is a fault with one or more of the internal thyristors or bypass relays.	
RANGE: MODBUS DECIMAL VA	ALUE: DEFAULT (DECIMAL):
<ul> <li>Off : The SR55 will attempt to start and run although the operation may be erratic. Operating in this mode for prolonged periods may result in SCR failure.</li> </ul>	• 0
<ul> <li>On : Trips if one or more of the thyristors / bypass relays has failed short circuit (typically 0.1Ω or less). Check by measuring the resistance between L1-T1, L2-T2, L3-T3. Never check resistance when power is applied. Using a multi-meter, measured resistance for a good thyristor may exceed 500kΩ. A shorted thyristor will measure 0.1Ω or lower; with the measured value being the resistance of the meter test leads.</li> </ul>	• 1 • On (1)
MODBUS ADDRESS:	Modbus Format:
53774 ( D20E hex )	16-bit unsigned
<u>Touchscreen Menu Path</u> :	
Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ Thyristor Firing Trip	

-/		-)	
	P8.17 – Motor Side Phase Loss		<u>Hold. Reg. Type:</u>
	Description:		Read/Write
	Detects if there is a disconnection between the SR55 output and th	e motor.	
	<u>RANGE:</u> <u>MODBUS DECII</u>	MAL VALUE:	<u>DEFAULT (DECIMAL):</u>
	<ul> <li>Off : The SR55 will attempt to start and run although the</li> </ul>	• 0	
	operation may be erratic. Operating in this mode for		
	prolonged periods may result in SCR failure.		
	On : Trips if there is a disconnection between the output side of	• 1	• On (1)
	the SR55 and the motor.		
	MODBUS ADDRESS:	MODBUS FO	<u>DRMAT:</u>
	53777 ( D211 hex )	16-bit ur	nsigned
	<u>Touchscreen Menu Path</u> :		
	Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ Motor Side Phase Loss		
	P8.18 – Sensing Fault Trip		HOLD, REG. TYPE:
	DESCRIPTION		Read/Write
	Detects if there is a fault with operation of one or more of the interr	hal thyristor	rs
	Bange: Modelis Diduct with operation of one of more of the mitch		DEENLIIT (DECIMAL).
	• Off • The SP55 will attempt to start and run although the	• 0	DEFAULT (DECIMAL).
	operation may be erratic. Operating in this mode for	• 0	
	prolonged periods may result in SCR failure		
	• On : Trips if one or more of the Thyristors fails to turn on properly	• 1	• On (1)
	53781 (D215 bev)	16-hit	unsigned
		10-010	unsigned
	Home & Advanced & Trin Settings & Sensing Fault Trin		
	P8.19 – THERMAL SENSOR TRIP		HOLD. REG. TYPE:
	P8.19 – THERMAL SENSOR TRIP DESCRIPTION:		<u>HOLD. REG. TYPE:</u> Read/Write
	<ul> <li>P8.19 – THERMAL SENSOR TRIP</li> <li><u>DESCRIPTION:</u></li> <li>Detects if the internal temperature sensors have failed.</li> </ul>		<u>HOLD. REG. TYPE:</u> Read/Write
	P8.19 – THERMAL SENSOR TRIP <u>DESCRIPTION:</u> Detects if the internal temperature sensors have failed. <u>RANGE:</u> <u>MODBUS DECIN</u>	MAL VALUE:	Hold. Reg. Type: Read/Write Default (decimal):
	P8.19 – THERMAL SENSOR TRIP <u>DESCRIPTION:</u> Detects if the internal temperature sensors have failed. <u>RANGE:</u> • Off : The SR55 will continue to operate even if the temperature	MAL VALUE: • 0	Hold. Reg. Type: Read/Write Default (Decimal):
	<ul> <li>P8.19 – THERMAL SENSOR TRIP         <u>DESCRIPTION:</u>         Detects if the internal temperature sensors have failed.         <u>RANGE:</u>         • Off: The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged     </li> </ul>	<u>маі Value:</u> • 0	Hold. Reg. Type: Read/Write Default (Decimal):
	<ul> <li>P8.19 – THERMAL SENSOR TRIP         <u>Description:</u>         Detects if the internal temperature sensors have failed.         <u>RANGE:</u> <u>MODBUS DECIN</u>         • Off : The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.         • If the sense of the sense</li></ul>	M <u>AL VALUE:</u> • 0	Hold. Reg. Type: Read/Write Default (Decimal):
	<ul> <li>P8.19 – THERMAL SENSOR TRIP     </li> <li><u>DESCRIPTION:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> <li><u>RANGE:</u></li></ul></li></ul>	• 0 • 1	Hold. Reg. Type: Read/Write Default (Decimal): • On (1)
	<ul> <li>P8.19 – THERMAL SENSOR TRIP     </li> <li><u>DESCRIPTION:</u> </li> <li>Detects if the internal temperature sensors have failed.     </li> <li><u>MODBUS DECIN</u> <ul> <li>Off: The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.             <ul> <li>On: The SR55 will trip if the internal temperature sensors fail.</li> <li><u>MODBUS ADDRESS:</u></li></ul></li></ul></li></ul>	M <u>AL VALUE:</u> • 0 • 1 <u>MODBUS</u>	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT:
	<ul> <li>P8.19 – THERMAL SENSOR TRIP     </li> <li><u>DESCRIPTION:</u> </li> <li>Detects if the internal temperature sensors have failed.     </li> <li><u>MODBUS DECIN</u> <ul> <li>Off: The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.             <ul> <li>On : The SR55 will trip if the internal temperature sensors fail.</li> </ul> <li><u>MODBUS ADDRESS:</u></li></li></ul></li></ul>	<u>MAL VALUE:</u> • 0 • 1 <u>Морвиз</u> 16-bit	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned
	<ul> <li>P8.19 – THERMAL SENSOR TRIP     </li> <li><u>DESCRIPTION:</u> </li> <li>Detects if the internal temperature sensors have failed.     </li> <li><u>RANGE:</u> <ul> <li>Off: The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On: The SR55 will trip if the internal temperature sensors fail.         </li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> </ul> </li> </ul>	<u>MAL VALUE:</u> • 0 • 1 <u>Модвиз</u> 16-bit	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned
	<ul> <li>P8.19 – THERMAL SENSOR TRIP</li> <li><u>DESCRIPTION:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> <li><u>RANGE:</u></li> <li>Off: The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On: The SR55 will trip if the internal temperature sensors fail.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> <li>Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> </ul>	<u>MAL VALUE:</u> • 0 • 1 <u>МОДВИS</u> 16-bit	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned
	<ul> <li>P8.19 – THERMAL SENSOR TRIP</li> <li><u>Description:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> <li><u>RANGE:</u></li> <li><u>MODBUS DECIN</u></li> <li>Off: The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On : The SR55 will trip if the internal temperature sensors fail.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex)</li> <li><u>TOUCHSCREEN MENU PATH</u>: Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> </ul>	M <u>AL VALUE:</u> • 0 • 1 <u>MODBUS</u> 16-bit	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned HOLD. REG. Type:
	<ul> <li>P8.19 – THERMAL SENSOR TRIP <ul> <li><u>DESCRIPTION:</u></li> <li>Detects if the internal temperature sensors have failed.</li> </ul> </li> <li><u>RANGE:</u> <ul> <li>Off: The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On : The SR55 will trip if the internal temperature sensors fail.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> <li>Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> <li>P8.20 – EXTERNAL TRIP ENABLE <ul> <li><u>DESCRIPTION:</u></li> </ul> </li> </ul>	<u>MAL VALUE:</u> • 0 • 1 <u>Модвиз</u> 16-bit	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned HOLD. REG. Type: Read/Write
	<ul> <li>P8.19 – THERMAL SENSOR TRIP</li> <li><u>DESCRIPTION:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> <li><u>RANGE:</u></li> <li><u>MODBUS DECIN</u></li> <li>Off : The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On : The SR55 will trip if the internal temperature sensors fail.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>: Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> <li>P8.20 – EXTERNAL TRIP ENABLE         <ul> <li><u>DESCRIPTION:</u> Turning this parameter on will allow an External Trip Command to the sensor function.</li> </ul> </li> </ul>	<u>маг Value:</u> • 0 • 1 <u>Морвиз</u> 16-bit trip the SR5	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned Hold. Reg. Type: Read/Write 55. A trip can
	<ul> <li>P8.19 – THERMAL SENSOR TRIP</li> <li><u>DESCRIPTION:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> <li><u>RANGE:</u></li> <li><u>MODBUS DECIN</u></li> </ul> </li> <li>Off: The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On : The SR55 will trip if the internal temperature sensors fail.</li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> <li>Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> <li>P8.20 - EXTERNAL TRIP ENABLE         <ul> <li><u>DESCRIPTION:</u></li> <li>Turning this parameter on will allow an External Trip Command to the forced using one of the digital inputs or using a Modbus command</li> </ul> </li> </ul>	MAL VALUE: • 0 • 1 <u>MODBUS</u> 16-bit trip the SR5 nd. The "Co	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned HOLD. REG. Type: Read/Write 55. A trip can pontrol Method"
	<ul> <li>P8.19 – THERMAL SENSOR TRIP</li> <li><u>DESCRIPTION:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> </ul> </li> <li><u>RANGE:</u> <ul> <li>Off: The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On: The SR55 will trip if the internal temperature sensors fail.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex)</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> <li>Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> <li>P8.20 – EXTERNAL TRIP ENABLE <ul> <li><u>DESCRIPTION:</u></li> <li>Turning this parameter on will allow an External Trip Command to the forced using one of the digital inputs or using a Modbus comman parameter must be set to "User Programmable" when using a digit</li> </ul> </li> </ul>	MAL VALUE: • 0 • 1 <u>MODBUS</u> 16-bit trip the SR5 nd. The "Co al input or '	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned HOLD. REG. TYPE: Read/Write 55. A trip can pontrol Method" 'Modbus Network"
	<ul> <li>P8.19 – THERMAL SENSOR TRIP</li> <li><u>Description:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> </ul> </li> <li><u>RANGE:</u> <ul> <li>Off: The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On: The SR55 will trip if the internal temperature sensors fail.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex)</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> <li>Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> <li>P8.20 – EXTERNAL TRIP ENABLE <ul> <li><u>DESCRIPTION:</u></li> <li>Turning this parameter on will allow an External Trip Command to the forced using one of the digital inputs or using a Modbus comma parameter must be set to "User Programmable" when using a digit when using Modbus in order to configure the SR55 for an external ternal tern</li></ul></li></ul>	MAL VALUE: • 0 • 1 <u>MODBUS</u> 16-bit trip the SR5 nd. The "Co al input or ' rip.	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned HOLD. REG. Type: Read/Write 55. A trip can pontrol Method" 'Modbus Network"
	<ul> <li>P8.19 - THERMAL SENSOR TRIP</li> <li><u>DescRIPTION:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> <li><u>RANGE:</u></li> <li><u>MODBUS DECIN</u></li> <li>Off : The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On : The SR55 will trip if the internal temperature sensors fail.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex)</li> <li><u>TOUCHSCREEN MENU PATH</u>: Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> <li>P8.20 - EXTERNAL TRIP ENABLE         <ul> <li><u>DescRIPTION:</u></li> <li>Turning this parameter on will allow an External Trip Command to the forced using one of the digital inputs or using a Modbus comma parameter must be set to "User Programmable" when using a digit when using Modbus in order to configure the SR55 for an external to <u>RANGE:</u></li> </ul></li></ul>	MAL VALUE: • 0 • 1 <u>MODBUS</u> 16-bit trip the SR5 nd. The "Co al input or ' rip. MAL VALUE:	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned <u>Hold. Reg. Type:</u> Read/Write 55. A trip can ontrol Method" 'Modbus Network" DEFAULT (DECIMAL):
	<ul> <li>P8.19 - THERMAL SENSOR TRIP</li> <li><u>DescRIPTION:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> <li><u>RANGE:</u></li> <li><u>MODBUS DECIN</u></li> <li>Off : The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On : The SR55 will trip if the internal temperature sensors fail.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> <li>Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> <li>P8.20 - EXTERNAL TRIP ENABLE         <ul> <li><u>DescRIPTION:</u></li> <li>Turning this parameter on will allow an External Trip Command to be forced using one of the digital inputs or using a Modbus comma parameter must be set to "User Programmable" when using a digit when using Modbus in order to configure the SR55 for an external t <u>RANGE:</u></li> <li><u>MODBUS DECIN</u></li> <li>• Off : External Trip is disabled.</li> </ul> </li> </ul>	MAL VALUE: • 0 • 1 <u>MODBUS</u> 16-bit trip the SR5 nd. The "Co al input or ' rip. <u>MAL VALUE:</u> • 0	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned HOLD. REG. Type: Read/Write 55. A trip can ontrol Method" 'Modbus Network" DEFAULT (DECIMAL):
	<ul> <li>P8.19 - THERMAL SENSOR TRIP</li> <li><u>Description:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> </ul> </li> <li><u>RANGE:</u> <u>MODBUS DECIN</u> <ul> <li>Off : The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On : The SR55 will trip if the internal temperature sensors fail.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex )</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>: <ul> <li>Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> <li>P8.20 - EXTERNAL TRIP ENABLE <ul> <li><u>DESCRIPTION:</u></li> <li>Turning this parameter on will allow an External Trip Command to be forced using one of the digital inputs or using a Modbus comma parameter must be set to "User Programmable" when using a digit when using Modbus in order to configure the SR55 for an external t</li> <li><u>RANGE:</u> <u>MODBUS DECIN</u></li> <li>Off : External Trip is disabled.</li> <li>On : Trips when the programmed input is active.</li> </ul> </li> </ul>	MAL VALUE: • 0 • 1 <u>MODBUS</u> 16-bit trip the SR5 nd. The "Co al input or " rip. <u>MAL VALUE:</u> • 0 • 1	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned HOLD. REG. Type: Read/Write 55. A trip can ontrol Method" 'Modbus Network" DEFAULT (DECIMAL): • On (1)
	<ul> <li>P8.19 - THERMAL SENSOR TRIP</li> <li><u>DESCRIPTION:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> </ul> </li> <li><u>RANGE:</u> <ul> <li>Off: The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On: The SR55 will trip if the internal temperature sensors fail.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex)</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>: <ul> <li>Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> <li>P8.20 - EXTERNAL TRIP ENABLE <ul> <li><u>DESCRIPTION:</u></li> <li>Turning this parameter on will allow an External Trip Command to the forced using one of the digital inputs or using a Modbus comman parameter must be set to "User Programmable" when using a digit when using Modbus in order to configure the SR55 for an external temperature is disabled.</li> <li>On: Trips when the programmed input is active.</li> </ul> </li> </ul>	MAL VALUE: • 0 • 1 <u>MODBUS</u> 16-bit trip the SR5 nd. The "Co al input or ' rip. <u>MAL VALUE:</u> • 0 • 1 <u>MODBUS</u>	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned HOLD. REG. TYPE: Read/Write 55. A trip can ontrol Method" 'Modbus Network" DEFAULT (DECIMAL): • On (1) FORMAT:
	<ul> <li>P8.19 - THERMAL SENSOR TRIP</li> <li><u>DESCRIPTION:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> </ul> </li> <li><u>RANGE:</u> <ul> <li>Off: The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On: The SR55 will trip if the internal temperature sensors fail.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex )</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>: <ul> <li>Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> <li>P8.20 - EXTERNAL TRIP ENABLE <ul> <li><u>DESCRIPTION:</u></li> <li>Turning this parameter on will allow an External Trip Command to the forced using one of the digital inputs or using a Modbus comman parameter must be set to "User Programmable" when using a digit when using Modbus in order to configure the SR55 for an external t</li> <li><u>RANGE:</u> <ul> <li><u>MODBUS DECIN</u></li> <li>Off : External Trip is disabled.</li> <li>On : Trips when the programmed input is active.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u></li> <li>53795 (D223 hex )</li> </ul></li></ul>	MAL VALUE: • 0 • 1 <u>MODBUS</u> 16-bit trip the SR5 nd. The "Co al input or ' rip. <u>MAL VALUE:</u> • 0 • 1 <u>MODBUS</u> 16-bit	HOLD. REG. TYPE: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned HOLD. REG. TYPE: Read/Write 55. A trip can ontrol Method" 'Modbus Network" DEFAULT (DECIMAL): • On (1) FORMAT: unsigned
	<ul> <li>P8.19 – THERMAL SENSOR TRIP</li> <li><u>DESCRIPTION:</u> <ul> <li>Detects if the internal temperature sensors have failed.</li> <li><u>RANGE:</u></li> <li><u>MODBUS DECIN</u></li> <li>Off : The SR55 will continue to operate even if the temperature sensor has failed. Operating in this mode for prolonged periods may result in SCR failure.</li> <li>On : The SR55 will trip if the internal temperature sensors fail.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>53768 (D208 hex )</li> <li><u>TOUCHSCREEN MENU PATH:</u></li> <li>Home → Advanced → Trip Settings → Thermal Sensor Trip</li> </ul> </li> <li>P8.20 - EXTERNAL TRIP ENABLE         <ul> <li><u>DESCRIPTION:</u></li> <li>Turning this parameter on will allow an External Trip Command to the forced using one of the digital inputs or using a Modbus comma parameter must be set to "User Programmable" when using a digit when using Modbus in order to configure the SR55 for an external to EANGE:</li> <li><u>MODBUS DECIN</u></li> <li>Off : External Trip is disabled.</li> <li>On : Trips when the programmed input is active.</li> <li><u>MODBUS ADDRESS:</u></li> <li>53795 (D223 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> </ul> </li> </ul>	MAL VALUE: • 0 • 1 <u>MODBUS</u> 16-bit trip the SR5 nd. The "Co al input or " rip. <u>MAL VALUE:</u> • 0 • 1 <u>MODBUS</u> 16-bit	Hold. Reg. Type: Read/Write DEFAULT (DECIMAL): • On (1) FORMAT: unsigned Hold. Reg. Type: Read/Write 55. A trip can ontrol Method" 'Modbus Network" DEFAULT (DECIMAL): • On (1) FORMAT: unsigned

P8.21 – MAIN BOARD TRIP		<u>Hold. Reg. Type:</u>
Description:		Read/Write
Detects if an unexpected event has occurre	ed during the Main Board operation	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Off : Main Board trip disabled.</li> </ul>	• 0	
<ul> <li>On : Main Board trip enabled.</li> </ul>	• 1	• On (1)
<u>MODBUS ADDRESS:</u>	Modbus	<u>S FORMAT:</u>
53800 ( D228 hex )	16-bit	unsigned
<u>Touchscreen Menu Path</u> :		
Home → Advanced → Trip Settings → Main E	Board Trip	
P8.22 – Keypad Trip		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
Detects if an unexpected event has occurre	ed during the Touchscreen operatio	n.
Range:	Modbus Decimal Value:	DEFAULT (DECIMAL):
<ul> <li>Off : Keypad Trip disabled.</li> </ul>	• 0	• OFF (0)
• On : Keypad Trip enabled.	• 1	
MODBUS ADDRESS:	Modbus	S FORMAT:
	 16-bit	unsigned
TOUCHSCREEN MENU PATH:		0
Home → Advanced → Trip Settings → Keypa	d Trip	
P8.23– LOGGING TRIP		HOLD, REG. TYPE:
DESCRIPTION:		Read/Write
Detects if the logging to the internal SD ca	rd has failed to operate normally	neud, mite
Range		DEFALUT (DECIMAL)
Off · Logging trip disabled	• 0	• OFF (0)
• On : Logging trip enabled.	• 1	
MODBUS ADDRESS'	- MODBUS	S FORMAT'
53799 (D227 hex)	16-bit	unsigned
ΤΟΠCHSCREEN ΜΕΝΤΙ ΡΔΤΗ	10 50	unsigned
Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ Loggir	ng Trip	
	· · · · · ·	
0.24 - INPUI SIDE PHASE LUSS		Dood / Muite
<u>DESCRIPTION:</u>		Read/Write
Detects if there is a disconnection between	the SR55 input and supply when h	notor is running.
KANGE:	<u>MODBUS DECIMAL VALUE:</u>	<u>DEFAULT (DECIMAL):</u>
Off: The SR55 will attempt to run, although a sweet a constraint in this words for the second for the second	ugh the operation may • 0	
be erratic. Operating in this mode to	r proiongea perioas may	
result in SCR failure.	upon the input side of the 1	Op(1)
On: Trips if there is a disconnection between the methods and the supply when the methods are the methods	veen the input side of the • 1	• Un (1)
Aloopus Appress	or is running.	
IVIOBUS ADDRESS:	<u>MODBUS</u>	<u>S FURMAI:</u>
53762 (D202 Nex )	16-bit	unsigned
IOUCHSCREEN MENU PATH:		
Home $\rightarrow$ Advanced $\rightarrow$ Trip Settings $\rightarrow$ Input	Side Phase Loss	

# Advanced "Firing Mode" Parameter

P9.0 – Firing Mode		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
Set to correspond with SR55 connection to the Motor.	Refer to connection of	liagrams in the Quick
Start Guide, or in the "Electrical Installation" Chapter 2	2 of this user manual.	
<u>Range:</u>	MODBUS DECIMAL VALU	<u>E: DEFAULT (DECIMAL):</u>
<ul> <li>In-Line : The SR55 is connected in-line with a delta o connected motor.</li> </ul>	r star • 0	• In-Line (0)
• In-Delta : The SR55 is connected inside the delta of t	he motor. The • 1	
iERS function is disabled. In-Delta must be select	ed if "Legacy	
Delta Mode" parameter is desired.		
Modbus Address:	<u>Modb</u>	<u>us Format:</u>
128 ( 80 hex )	16-ł	pit unsigned
<u>Touchscreen Menu Path</u> :		
Home → Advanced → Firing Mode		

## ADVANCED "LEGACY DELTA MODE" PARAMETER

P9.1 – Legacy Delta Mode			<u>HOLD. REG. TYPE:</u>
DESCRIPTION:			Read/Write
Allows the SR55 to be retro-fitted into "Delta" applica	ations that prev	viously use	d an SR44 in-delta
configuration. (Changes phase rotation L1-L2-L3 to L	.1-L3-L2.)		
For "Legacy Delta Mode" to be activated, "Firing Mod	e" must be set	to "In-Delt	a".
<u>Range:</u>	MODBUS DECIM	ial Value:	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Off : Operates normally. Refer to SR55 delta connection in "Electrical Installation" Chapter 2 or the Out</li> </ul>	ction diagram ick Start Guide.	• 0	• Off (0)
• On : Operates in SR44 delta compatibility mode.		• 1	
(Changes phase rotation L1-L2-L3 to L1-L3-L2.)	)		
MODBUS ADDRESS:		<u>Modbus</u>	Format:
192 ( C0 hex )		16-bit	unsigned
Touchscreen Menu Path:			-
Home → Advanced → Legacy Delta Mode			
P9.2 – MAIN CONTACTOR CONTROL			HOLD. REG. TYPE:
<b>P9.2 – MAIN CONTACTOR CONTROL</b> <u>DESCRIPTION:</u>			<u>HOLD. REG. TYPE:</u> Read/Write
<b>P9.2 – MAIN CONTACTOR CONTROL</b> <u>DESCRIPTION:</u> Used when the motor is required to start when the M	ain Contactor c	loses, and	<u>HOLD. REG. TYPE:</u> Read/Write stop when it
<b>P9.2 – MAIN CONTACTOR CONTROL</b> <u>DESCRIPTION:</u> Used when the motor is required to start when the M opens. An auxiliary contact from the main contactor	ain Contactor c is used as a Sta	loses, and art/Stop sig	<u>Hold. Reg. Type:</u> Read/Write stop when it gnal. The 'Stop
<b>P9.2 – MAIN CONTACTOR CONTROL</b> <u>DESCRIPTION:</u> Used when the motor is required to start when the M opens. An auxiliary contact from the main contactor Time' must be set to zero.	ain Contactor c is used as a Sta	loses, and art/Stop sig	<u>HOLD. REG. TYPE:</u> Read/Write stop when it gnal. The 'Stop
P9.2 – MAIN CONTACTOR CONTROL <u>DESCRIPTION:</u> Used when the motor is required to start when the M opens. An auxiliary contact from the main contactor Time' must be set to zero. <u>RANGE:</u>	ain Contactor c is used as a Sta <u>MODBUS DECIM</u>	loses, and art/Stop sig IAL VALUE:	<u>HOLD. REG. TYPE:</u> Read/Write stop when it gnal. The 'Stop <u>DEFAULT (DECIMAL):</u>
<ul> <li>P9.2 – MAIN CONTACTOR CONTROL</li> <li><u>DESCRIPTION:</u></li> <li>Used when the motor is required to start when the M opens. An auxiliary contact from the main contactor Time' must be set to zero.</li> <li><u>RANGE:</u></li> <li>Off : When the contactor opens and the stop signal</li> </ul>	ain Contactor c is used as a Sta <u>Modbus Decim</u> is given at the	:loses, and art/Stop sig I <u>AL VALUE:</u> • 0	Hold. REG. TYPE: Read/Write stop when it gnal. The 'Stop <u>DEFAULT (DECIMAL):</u> • OFF (0)
<ul> <li>P9.2 – MAIN CONTACTOR CONTROL         <u>DESCRIPTION:</u>             Used when the motor is required to start when the M             opens. An auxiliary contact from the main contactor             Time' must be set to zero.      </li> <li><u>RANGE:</u> <ul> <li>Off: When the contactor opens and the stop signal             same time, the unit may trip on "Phase Loss" (</li> </ul> </li> </ul>	ain Contactor c is used as a Sta <u>Modbus Decim</u> is given at the Default).	loses, and art/Stop sig <u>IAL VALUE:</u> • 0	HOLD. REG. TYPE: Read/Write stop when it gnal. The 'Stop <u>DEFAULT (DECIMAL):</u> • OFF (0)
<ul> <li>P9.2 – MAIN CONTACTOR CONTROL <u>DESCRIPTION:</u> Used when the motor is required to start when the M opens. An auxiliary contact from the main contactor Time' must be set to zero. <u>RANGE:</u></li> <li>Off : When the contactor opens and the stop signal same time, the unit may trip on "Phase Loss" (</li> <li>On : When the contactor opens and the stop signal</li> </ul>	ain Contactor o is used as a Sta <u>MODBUS DECIM</u> is given at the Default). is given at the	iloses, and art/Stop sig <u>IAL VALUE:</u> • 0 • 1	HOLD. REG. TYPE: Read/Write stop when it gnal. The 'Stop <u>DEFAULT (DECIMAL):</u> • OFF (0)
<ul> <li>P9.2 - MAIN CONTACTOR CONTROL <u>DESCRIPTION:</u> Used when the motor is required to start when the M opens. An auxiliary contact from the main contactor Time' must be set to zero.</li> <li><u>RANGE:</u></li> <li>Off : When the contactor opens and the stop signal same time, the unit may trip on "Phase Loss" (</li> <li>On : When the contactor opens and the stop signal same, time the unit will not trip on "Phase Loss"</li> </ul>	ain Contactor c is used as a Sta <u>MODBUS DECIM</u> is given at the Default). is given at the s."	iloses, and art/Stop sig <u>IAL VALUE:</u> • 0 • 1	Hold. Reg. Type: Read/Write stop when it gnal. The 'Stop <u>DEFAULT (DECIMAL):</u> • OFF (0)
<ul> <li>P9.2 - MAIN CONTACTOR CONTROL <u>DESCRIPTION:</u> Used when the motor is required to start when the M opens. An auxiliary contact from the main contactor Time' must be set to zero. <u>RANGE:</u></li> <li>Off : When the contactor opens and the stop signal same time, the unit may trip on "Phase Loss" (</li> <li>On : When the contactor opens and the stop signal same, time the unit will not trip on "Phase Loss <u>MODBUS ADDRESS:</u></li> </ul>	ain Contactor c is used as a Sta <u>MODBUS DECIM</u> is given at the Default). is given at the s."	iloses, and art/Stop sig <u>IAL VALUE:</u> • 0 • 1 <u>MODBUS</u>	Hold. REG. TYPE: Read/Write stop when it gnal. The 'Stop <u>DEFAULT (DECIMAL):</u> • OFF (0) FORMAT:
<ul> <li>P9.2 - MAIN CONTACTOR CONTROL <u>DESCRIPTION:</u> Used when the motor is required to start when the M opens. An auxiliary contact from the main contactor Time' must be set to zero. <u>RANGE:</u> <ul> <li>Off : When the contactor opens and the stop signal same time, the unit may trip on "Phase Loss" (</li> <li>On : When the contactor opens and the stop signal same, time the unit will not trip on "Phase Loss <u>MODBUS ADDRESS:</u> 14144 ( 3740 hex )</li> </ul> </li> </ul>	ain Contactor c is used as a Sta <u>MODBUS DECIM</u> is given at the Default). is given at the s."	iloses, and art/Stop sig <u>IAL VALUE:</u> • 0 • 1 <u>MODBUS</u> 16-bit	Hold. REG. TYPE: Read/Write stop when it gnal. The 'Stop <u>DEFAULT (DECIMAL):</u> • OFF (0) <u>FORMAT:</u> unsigned
<ul> <li>P9.2 - MAIN CONTACTOR CONTROL <u>DESCRIPTION:</u> Used when the motor is required to start when the M opens. An auxiliary contact from the main contactor Time' must be set to zero. <u>RANGE:</u></li> <li>Off : When the contactor opens and the stop signal same time, the unit may trip on "Phase Loss" (</li> <li>On : When the contactor opens and the stop signal same, time the unit will not trip on "Phase Loss <u>MODBUS ADDRESS:</u> 14144 ( 3740 hex ) <u>TOUCHSCREEN MENU PATH</u>:</li> </ul>	ain Contactor c is used as a Sta <u>MODBUS DECIM</u> is given at the Default). is given at the s."	loses, and art/Stop sig <u>NAL VALUE:</u> • 0 • 1 <u>MODBUS</u> 16-bit	Hold. REG. Type: Read/Write stop when it gnal. The 'Stop <u>DEFAULT (DECIMAL):</u> • OFF (0) FORMAT: unsigned

P9.3 – HAND-AUTO CONTROL	HOLD. REG. TYPE:
Description:	Read/Write
A Hand-Auto selection switch can be connected to Digital Input D1-2I to char	ge the 'Control
Method.' This can be used to change the Start/Stop to 'Hand' if the Commun	ications fails.
Before turning on Hand-Auto Control, the user must ensure that the parameter	s for Input D1-2I are
set for No Function Selected (P10.3 = 0) and High Input Sets Value (P10.4 = 1), w	hich are the default
settings for this input.	
<ul> <li>D1-2I = 1 : Sets Control Method to "2 -Wire" (Hand).</li> </ul>	
<ul> <li>D1-2I = 0 : Sets Control Method to "Modbus Network" (Auto).</li> </ul>	
<ul> <li>Hand : Input D1-1I = High Start / Low Stop; Input D2-1I = High Reset</li> </ul>	
<ul> <li>Auto : ADDRESS 17920 = Start / Stop; ADDRESS 18368 = Reset</li> </ul>	
RANGE: MODBUS DECIMAL VALUE	<u>DEFAULT (DECIMAL):</u>
Off : Control Method can be selected to any method needed per     O	• OFF (0)
P7.0. Digital Input Functions can be changed.	
On : Control Method is fixed to "User Programable." Digital inputs     1	
are fixed to as shown in the description above.	
MODBUS ADDRESS: MODBU	<u>IS FORMAT:</u>
28160 ( 6E00 hex ) 16-b	t unsigned
<u>Touchscreen Menu Path</u> :	
Home → Advanced → Hand-Auto Control	

## PARAMETER DETAILS (CONTINUED)

## "I/O" MENU OF PARAMETERS

# I/O "DIGITAL INPUTS" PARAMETERS

P10.0 – DIGITAL INPUT VOLTAGE		HOLD. REG. TYPE:
Description:		Read/Write
The digital inputs D1-1I, D1-2I, D2-1I are designed t	o work with a range of co	ontrol supplies.
• It is important to ensure the "Digital Input Voltage"	corresponds to the voltag	e applied to the
input. Failure to do so may result in damage.		
<u>Range:</u>	MODBUS DECIMAL VALUE.	DEFAULT (DECIMAL):
<ul> <li>230VAC : 'Active high level' Input voltage must be i 195.5V–253V.</li> </ul>	n the range • 0	• 230VAC (0)
<ul> <li>110VAC : 'Active high level' Input voltage must be i 93.5V–121V.</li> </ul>	n the range • 1	
<ul> <li>24VDC : 'Active high level ' input voltage must be ir 20.4V–26.4V.</li> </ul>	• 2 • 2	
Modbus Address:	<u>Модви</u>	<u>s Format:</u>
10880 ( 2A80 hex )		t unsigned
TOUCHSCREEN MENU PATH:		0
Home $\rightarrow$ I/O $\rightarrow$ Digital Inputs $\rightarrow$ Digital Input Voltage		
(also Home → Auto Setup → Digital Input Voltage)		
P7.0 – Control Method		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
<ul> <li>Local Touch Screen : Control using the button on t</li> </ul>	he keypad.	
(Digital Inputs are disabled. Digital Outputs still fu	inction as configured.)	
<ul> <li>User Programmable : Control using the terminals;</li> </ul>	function defined in "I/O"	menu.
<ul> <li>Two Wire Control : Control using terminals; function</li> </ul>	ons fixed as shown on scr	een.
<ul> <li>Three Wire Control : Control using terminals; funct</li> </ul>	ions fixed as shown on se	creen.
<ul> <li>Modbus Network : Control via remote Modbus net</li> </ul>	work, remote touchscree	n, or Modbus TCP /
EtherNet/IP. (Digital Inputs are disabled. Digital C	outputs still function as c	onfigured.)
<u>Range:</u>	MODBUS DECIMAL VALUE	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Local Touch Screen</li> </ul>	• 0	• Local (0)
<ul> <li>User Programmable</li> </ul>	• 1	
<ul> <li>Two Wire Control</li> </ul>	• 2	
<ul> <li>Three Wire Control</li> </ul>	• 3	
<ul> <li>Modbus Network</li> </ul>	• 4	
Modbus Address:	<u>Modbus Format:</u>	
59392 ( E800 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ I/O $\rightarrow$ Digital Inputs $\rightarrow$ Control Method		
(also Home $\rightarrow$ Auto Setup $\rightarrow$ Control Method) (also H	ome $\rightarrow$ Advanced $\rightarrow$ Contr	ol Method)
P10.1 – DIGITAL INPUT 1 (D1-11): SELECT FUNCTION		<u>HOLD. REG. TYPE:</u>
<u>DESCRIPTION:</u>		Read/Write
Allows the Digital Input to be mapped to different fu	nctions.	
<ul> <li>The selected function will change in proportion wi</li> </ul>	th the input.	
<ul> <li>Digital Inputs can only be user configured if "Contigured if "Contig</li></ul>	ol Method" is set to "Use	er Programmable."
<ul> <li>All Digital Inputs are disabled if "Control Method"</li> </ul>	s set to "Local Touch Scr	een" or "Modbus
Network."		
<u>Range:</u>	NODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
Refer to "Digital Input Function Settings" on page 3-	<u>56</u> .	Start/Stop (280)
MODBUS ADDRESS:	Modbus I	<u>FORMAT:</u>
10944 ( 2AC0 hex )	16-bit ι	Insigned
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ I/O $\rightarrow$ Digital Inputs $\rightarrow$ Digital Input 1 (D1-1I)	Select Function	

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RAMETER DETAILS - "I/O" MENU OF PARAMETERS (CONTI	INUED)		
P10.2 – DIGITAL INPUT 1 (D1-11): HIGH INPUT = 1 SETS VALUE			HOLD. REG. TYPE:
Description:			Read/Write
Allows the polarity of the input to be reversed.			
<u>Range:</u> <u>M</u>	<u>IODBUS DECIMAL</u>	VALUE:	<u>DEFAULT (DECIMAL)</u>
<ul> <li>Off : When the input is off, the selected function will be</li> </ul>	be on.	• 0	
<ul> <li>On : When the input is on, the selected function will b</li> </ul>	be on.	• 1	• On (1)
MODBUS ADDRESS:	Δ	<i>MODBUS</i>	<u>FORMAT:</u>
11264 ( 2C00 hex )		16-bit	unsigned
<u>Touchscreen Menu Path</u> :			
Home $\rightarrow$ I/O $\rightarrow$ Digital Inputs $\rightarrow$ Digital Input 1 (D1-1I) $\rightarrow$ H	ligh Input = 1 Se	ets Value	!
P10.3 – DIGITAL INPUT 2 (D1-21): SELECT FUNCTION			<u>HOLD. REG. TYPE:</u>
DESCRIPTION:			Read/Write
Allows the Digital Input to be mapped to different funct	tions.		
The selected function will change in proportion with	the input.		
Digital Inputs can only be user configured if "Control	Method" is set t	o "User	Programmable."
<ul> <li>All Digital Inputs are disabled if "Control Method" is s Network."</li> </ul>	set to "Local Tou	ich Scree	en" or "Modbus
RANGE: N	ADBUS DECIMAL	VALUE:	DEFAULT (DECIMAL)
Refer to "Digital Input Function Settings" on page 3–56			Off (0)
MODBUS ADDRESS:	Δ	<i>MODBUS</i>	FORMAT:
10945 ( 2AC1 hex )		16-bit	unsigned
TOUCHSCREEN MENU PATH:			-
Home → I/O → Digital Inputs → Digital Input 2 (D1-2I) → S	Select Function		
P10.4 – DIGITAL INPUT 2 (D1-21): HIGH INPUT = 1 SETS VALUE			HOLD. REG. TYPE:
DESCRIPTION:			Read/Write
Allows the polarity of the input to be reversed.			
<u>Range:</u> <u>M</u>	10DBUS DECIMAL	VALUE:	<u>DEFAULT (DECIMAL)</u>
• Off : When the input is off, the selected function will b	be on.	• 0	
• On : When the input is on, the selected function will b	be on.	• 1	• On (1)
Modbus Address:	Δ	<i>MODBUS</i>	Format:
11266 ( 2C02 hex )		16-bit	unsigned
<u>TOUCHSCREEN MENU PATH:</u>			
Home $\rightarrow$ I/O $\rightarrow$ Digital Inputs $\rightarrow$ Digital Input 2 (D1-2I) $\rightarrow$ H	ligh Input = 1 Se	ets Value	
P10.5 – DIGITAL INPUT 3 (D2-11): SELECT FUNCTION			HOLD. REG. TYPE:
Description:			Read/Write
Allows the Digital Input to be mapped to different funct	tions.		
<ul> <li>The selected function will change in proportion with</li> </ul>	the input.		
• Digital Inputs can only be user configured if "Control	Method" is set t	o "User	Programmable."
- 8	atta (I a a al Tau	ch Scre	en" or "Modbus
<ul> <li>All Digital Inputs are disabled if "Control Method" is s Network."</li> </ul>	set to "Local Tou		
<ul> <li>All Digital Inputs are disabled if "Control Method" is s Network."</li> <li><u>Range:</u> M</li> </ul>	100 AUS DECIMAL	VALUE:	<u>Default (decimal)</u>
<ul> <li>All Digital Inputs are disabled if "Control Method" is s Network."</li> <li><u>RANGE:</u></li> <li><u>M</u> Refer to "Digital Input Function Settings" on page 3–56.</li> </ul>	<u>100BUS DECIMAL</u>	VALUE:	<u>DEFAULT (DECIMAL)</u> Reset (287)
<ul> <li>All Digital Inputs are disabled if "Control Method" is s Network."</li> <li><u>RANGE:</u> <u>M</u> Refer to "Digital Input Function Settings" on <u>page 3–56</u>.</li> <li><u>MODBUS ADDRESS:</u></li> </ul>	ADDBUS DECIMAL	<u>VALUE:</u> MODBUS	<u>Default (Decimal)</u> Reset (287) Format:
<ul> <li>All Digital Inputs are disabled if "Control Method" is s Network."</li> <li><u>RANGE:</u> <u>M</u> Refer to "Digital Input Function Settings" on <u>page 3–56</u>.</li> <li><u>MODBUS ADDRESS:</u> 10946 (2AC2 hex)</li> </ul>	<u>Aodbus Decimal</u>	<u>VALUE:</u> MODBUS 16-bit	<u>Default (Decimal)</u> Reset (287) <u>Format:</u> unsigned
<ul> <li>All Digital Inputs are disabled if "Control Method" is s Network."</li> <li><u>Range:</u> <u>M</u> Refer to "Digital Input Function Settings" on <u>page 3–56</u>.</li> <li><u>MODBUS ADDRESS:</u> 10946 (2AC2 hex)</li> <li><u>TOUCHSCREEN MENU PATH:</u></li> </ul>	<u>AODBUS DECIMAL</u>	<u>VALUE:</u> <u>MODBUS</u> 16-bit	<u>DEFAULT (DECIMAL)</u> Reset (287) <u>FORMAT:</u> unsigned

	OI TANAMETERS (CONTINOLD)		
P10.6 – DIGITAL INPUT 3 (D2-11): HI	GH INPUT = 1 SETS VALUE		HOLD. REG. TYPE:
Description:			Read/Write
Allows the polarity of the inpu	at to be reversed.		
<u>Range:</u>	<u>Modbus De</u>	<u>ECIMAL VALUE:</u>	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Off : When the input is off, the second secon</li></ul>	ne selected function will be on.	• 0	
<ul> <li>On : When the input is on, the input is on,</li></ul>	ne selected function will be on.	• 1	• On (1)
<u>Modbus Address:</u>		<u>Modbus</u>	Format:
11268 ( 2C04 hex )		16-bit	unsigned
<u>TOUCHSCREEN MENU PATH</u> :			
Home $\rightarrow I/O \rightarrow Digital Inputs \rightarrow$	Digital Input 3 (D2-11) → High Input	= 1 Sets Value	<u>)</u>

## PARAMETER DETAILS - "I/O" MENU OF PARAMETERS (CONTINUED)

## **DIGITAL INPUT FUNCTION SETTINGS**

The following settings are for the "Digital Input x (x): Select Function" I/O parameters.

<u>S</u>	<u>ETTINGS FOR THE "DIGITAL INPUT X (X): SELECT FUNCTION" I/O PARAMETERS 10944–10946</u>			
	<u>Settings:</u>	<u>Modbus</u> Decimal Value:	DESCRIPTION:	
	Off	0	No function selected	
	Start/Stop	280	<ul><li>Off : Stops or Soft Stops the SR55.</li><li>On : Starts the SR55.</li></ul>	
	Freeze Ramp	285	<ul> <li>If set to On this parameter will hold the Start Ramp even if "Current Irms" is less than the "Current Limit Level."</li> <li>Off : The Soft Start Ramp is not held and the SR55 will start in the time set.</li> <li>On : The Soft Start Ramp is held and the SR55 will take longer than the time set to start.</li> </ul>	
	Reset	287	<ul><li>To reset pulse high and then low.</li><li>Off : The final state required for a reset.</li><li>On : The initial state required for a reset.</li></ul>	
	iERS on/off	330	<ul> <li>Enables and disables the intelligent Energy Recovery System feature (iERS).</li> <li>Off : The feature is disabled and the motor operates at full voltage.</li> <li>On : The voltage to the motor will be regulated to ensure optimum efficiency.</li> </ul>	
	External Trip Command	295	Ensure start signal is low before reset. <ul> <li>Off : The SR55 will not trip.</li> <li>On : If "External Trip" is enabled the SR55 trips.</li> </ul>	

#### **I/O** "DIGITAL OUTPUTS" PARAMETERS P11.0 - DIGITAL OUTPUT 1 N/C(12): SELECT FUNCTION HOLD. REG. TYPE: **DESCRIPTION:** Read/Write Allows the Digital Output to be mapped to different functions. • The output will change in proportion with the selected function. • Digital Outputs can only be user configured if the "Control Method" is set to "User Programmable." MODBUS DECIMAL VALUE: DEFAULT (DECIMAL): RANGE: Refer to "Digital Output Function Settings" on page 3-59. Error (583) MODBUS ADDRESS: **MODBUS FORMAT:** 11584 (2D40 hex) 16-bit unsigned TOUCHSCREEN MENU PATH: Home $\rightarrow$ I/O $\rightarrow$ Digital Outputs $\rightarrow$ Digital Output 1 N/C(12)) $\rightarrow$ Select Function P11.1 – DIGITAL OUTPUT 1 N/C(12): HIGH OUTPUT = 1 WHEN VALUE HOLD. REG. TYPE: Read/Write **DESCRIPTION:** Allows the polarity of the output to be reversed. MODBUS DECIMAL VALUE: DEFAULT (DECIMAL): RANGE: • Off : When the selected function is activated, the output is closed. • 0 • On : When the selected function is activated, the output is open. • On (1) • 1 **MODBUS ADDRESS:** MODBUS FORMAT: 11904 (2E80 hex) 16-bit unsigned **TOUCHSCREEN MENU PATH:** Home $\rightarrow$ I/O $\rightarrow$ Digital Outputs $\rightarrow$ Digital Output 1 N/C(12) $\rightarrow$ High Output = 1 When Value P11.2 – DIGITAL OUTPUT 2 N/O(24): SELECT FUNCTION HOLD. REG. TYPE: **DESCRIPTION:** Read/Write Allows the Digital Output to be mapped to different functions. • The output will change in proportion with the selected function. • Digital Outputs can only be user configured if the "Control Method" is set to "User Programmable." RANGE: MODBUS DECIMAL VALUE: DEFAULT (DECIMAL): Refer to "Digital Output Function Settings" on page 3–59. Error (583) **MODBUS FORMAT: MODBUS ADDRESS:** 11585 (2D41 hex) 16-bit unsigned TOUCHSCREEN MENU PATH: Home $\rightarrow$ I/O $\rightarrow$ Digital Outputs $\rightarrow$ Digital Output 2 N/O(24) $\rightarrow$ Select Function P11.3 - DIGITAL OUTPUT 2 N/O(24): HIGH OUTPUT = 1 WHEN VALUE HOLD. REG. TYPE: **DESCRIPTION:** Read/Write Allows the polarity of the output to be reversed. RANGE: MODBUS DECIMAL VALUE: DEFAULT (DECIMAL): • Off: When the selected function is activated, the output is open. • 0 • On : When the selected function is activated, the output is closed. • 1 • On (1) MODBUS ADDRESS: MODBUS FORMAT: 11906 (2E82 hex) 16-bit unsigned **TOUCHSCREEN MENU PATH:** Home $\rightarrow$ I/O $\rightarrow$ Digital Outputs $\rightarrow$ Digital Output 2 N/O(24) $\rightarrow$ High Output = 1 When Value

#### PARAMETER DETAILS - "I/O" MENU OF PARAMETERS (CONTINUED)

P11.4 – DIGITAL OUTPUT 3 N/O(34): SELECT FUNCTION			
			HOLD. REG. TYPE:
Description:			Read/Write
Allows the Digital output to be mapped to different	functions.		
<ul> <li>The output will change in proportion with the sele</li> </ul>	ected function.		
• Digital Outputs can only be user configured if the	"Control Method" i	s set to '	"User
Programmable."			
<u>Range:</u>	MODBUS DECIMAL	VALUE:	<u>DEFAULT (DECIMAL):</u>
Refer to "Digital Output Function Settings" on page	<u>3–59</u> .		Running (588)
MODBUS ADDRESS:	<u> </u>	Modbus	Format:
11586 ( 2D42 hex )		16-bit	unsigned
<u>Touchscreen Menu Path:</u>			
Home $\rightarrow$ I/O $\rightarrow$ Digital Outputs $\rightarrow$ Digital Output 3 N/C	)(34) → High Outpu	t = 1 Whe	en Value
P11.5 – DIGITAL OUTPUT 3 N/O(34): HIGH OUTPUT = 1 WH	EN VALUE		HOLD. REG. TYPE:
DESCRIPTION:			Read/Write
Allows the polarity of the output to be reversed.			,
RANGE:	Modbus Decimai	VALUE:	DEFAUIT (DECIMAL):
Off : When the selected function is activated, the	output is open.	• 0	<u></u>
• On : When the selected function is activated, the c	output is closed.	• 1	• On (1)
MODBUS ADDRESS:	/	– Modrus	FORMAT'
11908 (2E84 hex)	-	16-bit	unsigned
TOUCHSCREEN MENU PATH:		20 8.0	
Home $\rightarrow I/O \rightarrow Digital Outputs \rightarrow Digital Output 3 N/O$	)(34) → High Outpu	t = 1 Whe	en Value
PIL.6 - DIGITAL OUTPUT 4 N/O(44): SELECT FUNCTION		H	<u>DLD. REG. TYPE:</u>
<u>DESCRIPTION:</u>	f		Read/write
Allows the Digital output to be mapped to different	THRETIANC		
The output will change in properties with the cold	ated function		
The output will change in proportion with the sele	ected function.	a cot to f	"Hoor
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<ul> <li>The output will change in proportion with the sele</li> <li>Digital Outputs can only be user configured if the Programmable."</li> <li><u>RANGE:</u> <u>M</u> Refer to "Digital Output Function Settings" on page <u>MODBUS ADDRESS:</u> 11587 (2D43 hex)</li> <li><u>TOUCHSCREEN MENU PATH</u>: Home → I/O → Digital Outputs → Digital Output 4 N/O</li> <li>P11.7 - DIGITAL OUTPUT 4 N/O(44): HIGH OUTPUT = 1 WH <u>DESCRIPTION</u>: Allows the polarity of the output to be reversed. <u>RANGE:</u></li> <li>Off : When the selected function is activated, the output to be reversed.</li> </ul>	ected function. "Control Method" i <u>MODBUS DECIMAL VA</u> <u>3–59</u> . <u>MOD</u> 10 <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u>	s set to <u>LUE: DE</u> DBUS FOR 5-bit uns tion <u>VALUE:</u> 0 • 1	"User <u>FAULT (DECIMAL):</u> End of Start (590) <u>RMAT:</u> signed <u>HOLD. REG. TYPE:</u> Read/Write <u>DEFAULT (DECIMAL):</u> • On (1)
<ul> <li>The output will change in proportion with the sele</li> <li>Digital Outputs can only be user configured if the Programmable."</li> <li><u>RANGE:</u> <u>M</u> Refer to "Digital Output Function Settings" on page</li> <li><u>MODBUS ADDRESS:</u> 11587 (2D43 hex)</li> <li><u>TOUCHSCREEN MENU PATH</u>: Home → I/O → Digital Outputs → Digital Output 4 N/O</li> <li>P11.7 - DIGITAL OUTPUT 4 N/O(44): HIGH OUTPUT = 1 WH</li> <li><u>DESCRIPTION</u>: Allows the polarity of the output to be reversed.</li> <li><u>RANGE</u>:</li> <li>Off : When the selected function is activated, the output ADDRESS:</li> </ul>	ected function. "Control Method" i <u>MODBUS DECIMAL VA</u> <u>3–59</u> . <u>MOD</u> 10 <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u>	is set to ' <u>LUE:</u> <u>DE</u> <u>DBUS FOF</u> 5-bit uns tion <u>VALUE:</u> • 0 • 1 <u>MODBUS</u>	"User <u>FAULT (DECIMAL):</u> End of Start (590) <u>RMAT:</u> signed <u>HOLD. REG. TYPE:</u> Read/Write <u>DEFAULT (DECIMAL):</u> • On (1) <u>FORMAT:</u>
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# PARAMETER DETAILS - "I/O" MENU OF PARAMETERS (CONTINUED)

## DIGITAL OUTPUT FUNCTION SETTINGS

The following settings are for the "Digital Output x (x): Select Function" I/O parameters.

	0	0	0		<b>\</b>	, I
	<b>#D</b> · • • • • • •	<b>O</b>			10	44507
SETTINGS FOR THE	E "DIGITAI	L OUTPUT X (X): SEL	ECT FUNC	ΓΙΟΝ΄ Ι	/O PARAMETERS 11584-	-11587

<u>SETTINGS:</u>	<u>Modbus</u> Decimal Value:	DESCRIPTION:
Off	0	No function selected
		STATUS INDICATION : Ready
		Off : The SR55 has not powered up successfully or failed to reset from a
Ready	581	trip.
		On : Indicates that the SR55 is healthy and ready for a start. Remains on
		when Running.
		STATUS INDICATION : Enabled
		<ul> <li>Off : The SR55 has not powered up successfully or failed to reset from a</li> </ul>
Enabled	582	trip
		• On : Indicates that the SR55 is enabled and ready for a start. Remains on
		when Running.
		STATUS INDICATION : Error
Error	583	• Off : The SR55 is fault free.
		• On : Indicates that SR55 has detected a fault and has shut down.
		The fault must be cleared before a reset.
		STATUS INDICATION : Running
Running	588	• Off : The SR55 has detected a fault and tripped.
		On : Indicates that the motor is running and is being actively controlled
		Dy the SR55.
End Of	500	Off The SDEE is dischlad as remains down
Start	590	OII : The SR55 IS disabled of famping down.     On Indicates that the Soft Start ramp has been completed
		• OIL: Indicates that the Soft Start famp has been completed.
		• Off The ramp is not being held because "Current Imag" is less than
Current	591	"Current Limit Level"
Limit	001	• On : The ramp is being held because "Current Irms" is greater or equal to
		"Current Limit Level."
		STATUS INDICATION : iERS Active
	505	• Off : The iERS saving mode has been disabled either internally or via
IERS Active	595	"iERS."
		• On : Indicates that the SR55 is operating in the iERS energy saving Mode.
		Indicates that the Reset Delay counter is counting down.
Auto Reset	736	<ul> <li>Yes: The Auto Reset Delay is counting down.</li> </ul>
Pending	150	<ul> <li>No: The Auto Reset Delay is not counting down.</li> </ul>
		<ul> <li>To map to digital output, refer to PNU11584-PNU11587.</li> </ul>
		Indicates that the maximum number of reset attempts has been reached.
Auto Reset	568	<ul> <li>Yes: The number of reset attempts has exceeded the value set.</li> </ul>
Exceeded		• No: The number of reset attempts has not exceeded the value set.
		To map to digital output, refer to PNU11584-PNU11587.
		STATUS INDICATION: Shearpin
Shearpin	813	Off: This trip will not reset automatically
		On: This trip will reset automatically when the Reset Delay reaches zero
Low	010	Offer This twin will not reset outomotion the
Current	t   810	OII: I FIIS TEIP WILL NOT RESET AUTOMATICALLY     One This trip will reset automatically
		• On. This trip will reset automatically when the Reset Delay reaches zero

## PARAMETER DETAILS - "I/O" MENU OF PARAMETERS (CONTINUED)

••••••			
		HOLD. REG. TYPE:	
		Read/Write	
the Analog Input (AI).			
	MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>	
age varies from 0 to 10	• 0	• 0-10V (0)	
aries from 4 to 20mA.	• 1	<b>F</b>	
	MODBUS	<u>FORMAT:</u>	
CT FUNCTION		HOLD. REG. TYPE:	
		Read/Write	
t to be mapped to diffe	erent functions. The selected fur	nction will change in	
ut.			
	Modbus Decimal Value:	<u>DEFAULT (DECIMAL):</u>	
	• 0	• Off (0)	
	• 420		
	• 431		
	• 441		
	Modbus Format:		
	16-bit unsigned		
puts $\rightarrow$ Select Function	n (Analog Input)		
INPUT FUCTION SELECT	IONS		
FXAMPIE			
Al signal controls I	P3.3 Start Current Limit Level. <u>Ex</u>	: Water pumping	
system with high h	head; nearly vertical lift. AI signal keeps P3.3 low		
at start to slowly r	y rotate motor to control flow until height is reached,		
then Al signal Incr	eases P3.3 to allow motor to acce	elerate to full speed.	
Al signal controls	JI. DE 6 Shoarpin Trin Current Ev: A	polications such	
Ar signal controls i	-5.0 Shearpin hip current. <u>Ex</u> . A	pplications such	
running current lir	mits for opening vs. closing Al si	gnal changes P5.6	
as needed, usually	via PLC control. P5.5 Shearnin	Trip is turned OFF	
when P5.6 level is	reached; however an output sho	ould be used to stop	
the motor via a rel	lay in the motor stop circuit.		
Al signal controls I	P5.9 Overload Level. Ex: Motor te	esting. Al signal	
changes P5.8 as no	eeded to test different motors.	0	
	the Analog Input (Al). tage varies from 0 to 10 aries from 4 to 20mA. <i>CT FUNCTION</i> t to be mapped to different t to be mapped to different <i>EXAMPLE:</i> Al signal controls I system with high I at start to slowly r then Al signal incre Usually PLC controls Al signal controls I as opening and cle running current lin as needed, usually when P5.6 level is the motor via a rel Al signal controls I changes P5.8 as ne	the Analog Input (AI). <i>MODBUS DECIMAL VALUE:</i> tage varies from 0 to 10V. aries from 4 to 20mA. • 1 <i>MODBUS</i> <i>MODBUS</i> <i>MODBUS</i> <i>MODBUS</i> <i>MODBUS DECIMAL VALUE:</i> • 0 • 420 • 431 • 441 <i>MODBUS FORMAT:</i> 16-bit unsigned <i>INPUT FUCTION SELECTIONS</i> <i>EXAMPLE:</i> AI signal controls P3.3 Start Current Limit Level. Ex system with high head; nearly vertical lift. AI signa at start to slowly rotate motor to control flow until then AI signal controls P3.3 to allow motor to acco Usually PLC control. AI signal controls P5.6 Shearpin Trip Current. Ex: A as opening and closing sluice gates or doors, which running current limits for opening vs. closing. AI si sheared, usually via PLC control. P5.5 Shearpin T when P5.6 level is reached; however an output sho the motor via a relay in the motor stop circuit. AI signal controls P5.9 Overload Level. Ex: Motor to changes P5.8 as needed to test different motors.	

		, .				
ŀ	912.2 <b>– Analog</b>	i Input: Scalii	NG LEVEL	<u>Түре:</u>		
	DESCRIPTION:			Read/Write		
	Allows the	n proportion with				
	the input.					
	<ul> <li>The function will be at its "Scaling Level" when the input is at its maximum.</li> </ul>					
	<u>Range:</u>		MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>		
	0 - 16384		linear scale ( 1 = 0.006104 % )	16384		
			0% - 100% = (0 - 16384)			
			x% / 0.006104% = Modbus dec.	value		
			EX: Modbus value of 5250 = 32.0	5%		
	MODBUS ADD	<u>RESS:</u>	<u>Modbus Format:</u>			
	9728 ( 2600 hex ) 16-bit unsigned		16-bit unsigned			
	<u>TOUCHSCREEN</u>	<u>Menu Path</u> :				
	Home $\rightarrow I/C$	) → Analog Inp	outs → Scaling Level			
<u>//0</u>	"Analog Ou	TPUT" PARA	METERS			
ŀ	913.0 <b>– Analog</b>	а О <b>итрит Т</b> үри		HOLD. REG. TYPE:		
	DESCRIPTION:			Read/Write		
	Defines the	function of t	he Analog Output (AO).			
	<u>Range:</u>		MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>		
	• 0-10V:T	he output vol	tage varies from 0 to 10V. • 0	• 0-10V (0)		
	• 4–20mA :	The output v	aries from 4 to 20mA. • 1			
	MODBUS ADD	RESS:	<u>Modbus</u>	s Format:		
	8960 ( 2300	hex)	16-bit	unsigned		
	TOUCHSCREEN	MENU PATH:		0		
	Home → I/C	$\rightarrow Analog Ou$	tputs → Analog Output Type			
				HOLD REC TYPE		
ľ	DESCRIPTION	OUTPUT. SEL		Read/Write		
	Allows the		it to be manned to different functions. The output wi	Il chango in		
	nroportion	with the sele	cted function	ll change in		
	By defaul	It the output y	will be at a maximum when the selected function equ	als its max value		
	RANGE	te the output	MODBUS DECIMAL VALUE	DEFAILIT (DECIMAL).		
	• Off		• 0	• Off (0)		
	Current M	leasured	• 514			
	Overload	leasurea	• 522			
	Overload	SCR	• 161			
	P-Total	oon	• 542			
	MODBUS ADD	RESS:	MODBUS FORMAT:			
	9024 ( 2340	) hex )	16-bit unsigned			
	TOUCHSCREEN	Μενιι Ράτη·	10 Sit unoighea			
	Home $\rightarrow I/C$	$\rightarrow$ Analog Ou	tputs $\rightarrow$ Select Function (Analog Output)			
		2 1 Anno 2				
Ē	AO EUNCTION	13.1 ANALOG (	JUTPUT FUCTION SELECTIONS			
	SETTINGS:	DEC VALUE	<u>Example:</u>			
	<u>SETTINGS.</u>	DEC. VALUE.	AO shows P15 5 Current L Ev. This value can be	a fed out to a nanol		
	Current	514	ammeter for nanel designs or can be used as food	hack to a PIC		
	Measured	J14	system for monitoring or management system suc	has SCADA atc		
			$\Delta \Omega$ shows P15 20 Overload Ev. This value can be	ad back to a DIC		
	Overload	522	system for monitoring or management system suc	thas SCADA otc		
			$\Delta\Omega$ shows P15.8 True Power P. Ev. This value can be	e fed out to a nanol		
	P-Total	542	nower meter for nanel designs, or can be used as f	eedback to a PI C		
			system for monitoring or management system suc	h as SCADA, etc		
1		1	, , , , , , , , , , , , , , , , , , , ,	,		

P13.2 – ANALOG OUTPUT: SCALING LEVE	L	<u> </u>
DESCRIPTION:		Read/Write
Allows the selected function to be	scaled. The output will change in proportion	with the selected
function.		
<ul> <li>The output will be at a maximum</li> </ul>	m when the selected function equals the "Sca	ling Level."
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
0 - 16384	linear scale ( 1 = 0.006104 % )	0
	0% - 100% = (0 - 16384)	
	x% / 0.006104% = Modbus dec. va	lue
	EX: Modbus value of 5250 = 32.059	%
<u>Modbus Address:</u>	<u>Modbus Format:</u>	
9088 ( 2380 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH</u> :		
Home $\rightarrow$ I/O $\rightarrow$ Analog Outputs $\rightarrow$ S	caling Level	

# I/O "PTC MOTOR THERMISTOR TRIP" PARAMETER

P14.0 – PTC Motor Thermistor Trip		<u>HOLD. REG. TYPE:</u>
DESCRIPTION:		Read/Write
A single PTC motor thermistor or set of PTC motor the	nermistors can be connect	ed to the PTC
terminals.		
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
<ul> <li>Off : The SR55 will continue to operate.</li> </ul>	• 0	• Off (0)
<ul> <li>On : The SR55 will trip if the motor thermistor exce</li> </ul>	eeds its • 1	
response temperature, or the PTC input is open ci	rcuit (> 4kΩ).	
MODBUS ADDRESS:	Modbus	FORMAT:
53794 ( D222 hex )	16-bit	unsigned
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ I/O $\rightarrow$ PTC Motor Thermistor Trip		
(also Home → Advanced → Trip Settings → PTC Motor	Thermistor Trip)	

## PARAMETER DETAILS (CONTINUED)

P15.0 – Line Frequency		TYPE:
DESCRIPTION:		Read Only
The frequency of the 3-phase supply.		
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
45Hz – 65Hz	linear scale (1 = 0.001 Hz)	n/a
	Freq(Hz) = (Value / 1000)	
<u>MODBUS ADDRESS:</u>	<u>Modbus Format:</u>	
32000 ( 7D00 hex )	16-bit unsigned	
<u>Touchscreen Menu Path</u> :		
Home → Monitor → Line Frequency		
P15.1 – Phase Rotation		HOLD. REG. TYPE:
Description:		Read Only
Indicates the phase sequence of the incor	ning supply.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL)</u>
• RYB = L1, L2, L3	• 0	• L1-L2-L3 (0)
• RBY = L1, L3, L2	• 1	
MODBUS ADDRESS:	Modbus Format	:
	 16-bit unsigne	d
TOUCHSCREEN MENU PATH:		
Home $\rightarrow$ Monitor $\rightarrow$ Phase Rotation		
P15.2 – <b>I1</b>		ΤΥΡΕ:
Description:		Read Only
The RMS current on phase L1.		
RANGE:	Modbus Decimal Value:	DEFAULT:
0A – 10.000A	linear scale $(1 = 1mA)$	0A
	Current (A) = (Value / 1000)	
Modbus Address:	Modbus Format:	
33536/33537 ( 8300/8301 hex )	32-bit unsigned	
Τομεμές Γερίας ( 1999), 2002 Π.Δ.Υ.,	02 010 010 group	
Home $\rightarrow$ Monitor $\rightarrow$ 11		
P15 3 <b>- 17</b>		Τνρε·
DESCRIPTION'		Read Only
The RMS current on phase 12		Redd Only
RANGE'	MODBUS DECIMAL VALUE	<b>Π</b> ΕΕΛΙ ΙΙΤ΄
0A - 10 000A	linear scale $(1 = 1 \text{ mA})$	0A
0.1 10,00011	Current (A) = $(1/2)$ (1000)	VA
MODBUS ADDRESS.	MODBUS FORMAT	
33538/33539 ( 8302/8303 hav )	32-bit unsigned	
TOUCHSCREEN MENU DATU	SZ-DIL UHSIGHEU	
Home > Manitar > 12		

P15.4 <b>– I3</b>		<u>TYPE:</u>
Description:		Read Only
The RMS current on phase L3.		
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
0A – 10,000A	linear scale (1 = 1mA)	0A
	Current (A) = (Value / 1000)	
MODBUS ADDRESS:	MODBUS FORMAT:	
33540/33541 ( 8304/8305 hex )	32-bit unsigned	
TOUCHSCREEN MENU PATH:	Ç	
Home → Monitor → I3		
215.5 – CURRENT IRMS		<u>Түре:</u>
DESCRIPTION:		Read Only
The RMS motor current.		-
• This is the maximum of the 3 phases.		
• This value is used for the overload and r	power calculations.	
RANGE:	Modbus Decimal Value:	DEFAULT:
0A – 10,000A	linear scale (1 = 1mA)	
,	Current (A) = (Value / 1000)	
MODBUS ADDRESS:	Modbus Format:	
32896/32897 ( 8080/8081 hex )	32-bit unsigned	
TOUCHSCREEN MENU PATH:		
Home $\rightarrow$ Monitor $\rightarrow$ Current Irms		
DECONDITION		<u>TTPE.</u> Deed Only
DESCRIPTION:		Read Only
This is the assess of the 2 shares		
Inis is the average of the 3 phases.     This value is used for a super value is used.	_	
Inis value is used for power calculation     This value is derived internelly. If a high	S.	a d Malta aa" walee
Inis value is derived internally. If a night a night and the second	ier level of accuracy is required, a "Fix	ed voltage" value
Can be used.	an accurate method of obtaining a val	taga raading Thi
Ine Internally measured voltage is not a	an accurate method of obtaining a vol	tage reading. This
voltage reading can have and error up t	0.35% If the starter and motor is unto	aded of lightly
RANGE:	MODBUS DECIMAL VALUE:	DEFAULT:
0V – 500V	linear scale $(1 = 1 V)$	0V
MODBUS ADDRESS'		
32960 ( 80C0 bex )	16-bit unsigned	
	10 bit unsigned	
Home $\rightarrow$ Monitor $\rightarrow$ Vrms (Approx)		
		<b>T</b> (5 - 5
15.7 - REAL POWER FACTOR		<u>TYPE:</u>
DESCRIPTION:		Read Only
The actual power factor.		_
<u>KANGE:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
0 – 1	linear scale ( 1 = 0.001 )	0
<u>Modbus Address:</u>	<u>Modbus Format:</u>	
33024 ( 8100 hex )	16-bit unsigned	
T		
<u>IOUCHSCREEN MENU PATH</u> :		

## PARAMETER DETAILS - "MONITOR" MENU OF PARAMETERS (CONTINUED)

P15.8 – True Power P		<u> ТҮРЕ:</u>
DESCRIPTION:		Read Only
Total True Power. This is a sum of the 3 ph	nases.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
0kW – 10,000 kW	linear scale (1 = 1W)	0kW
	True Power (kW) = (Value / 1000)	
MODBUS ADDRESS:	Modbus Format:	
34688/34689 ( 8780/8781 hex )	32-bit unsigned	
	oz breansigned	
Home > Monitor > True Power P		
P15.9 – Apparent Power S		<u>ТҮРЕ:</u>
DESCRIPTION:		Read Only
Total Apparent Power. This is a sum of the	e 3 phases.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
0kVA – 10,000 kVA	linear scale (1 = 1VA)	0 kVA
	Apparent Power	
	(kVA) = (Value/1000)	
MODBUS ADDRESS:	MODBUS FORMAT:	
34816/34817 ( 8800/8801 bex )	32-bit unsigned	
Τουςμεςβεενι Μενι Πρατη	oz breansigned	
Home > Monitor > Apparent Power S		
P15.10 – <b>Reactive Power Q</b>		<u> ТҮРЕ:</u>
DESCRIPTION:		Read Only
<u>Range:</u>	Modbus Decimal Value:	<u>Default:</u>
0 kVAR – 10,000 kVAR	linear scale (1 = 1VAR)	0 kVAR
	Reactive Power	
	(kVAR) = (Value / 1000)	
MODBUS ADDRESS:	Modbus Format:	
	32-bit unsigned	
Τουςμές δεί του Τους του Τους Τους Τους Τους Τους Τους Τους Το		
Home $\rightarrow$ Monitor $\rightarrow$ Reactive Power O		
P15.11 – IERS SAVING LEVEL		<u>ТҮРЕ:</u>
<u>DESCRIPTION:</u>		Read Only
Indicates the level of potential saving. 100	0% indicates that SR55 is saving at its ma	iximum level.
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>Default:</u>
0% - 100%	linear scale ( 1 = 0.006104 % )	0%
	0% - 100% = (0 - 16384)	
	x% / 0.006104% = Modbus dec. value	
	EX: Modbus value of 5250 = 32.05%	
MODBUS ADDRESS:	Modbus Format:	
35008 ( 88C0 hex )	16-bit unsigned	
Τουςμές Μενί Ρατη	0	
Home $\rightarrow$ Monitor $\rightarrow$ iFRS Saving Level		

## PARAMETER DETAILS - "MONITOR" MENU OF PARAMETERS (CONTINUED)

P15.12 – DELAY ANGLE		<u>Түре:</u>
Description:		Read Only
Internal firing delay angle. Displayed for	r diagnostic purposes.	
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
0° – 55°	linear scale	0°
	(1 = 1° of mains cycle)	
	Time(ms)=(Value/LineFreq)*(25/9)	
MODBUS ADDRESS:	<u>Modbus Format:</u>	
22400 ( 5780 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ Monitor $\rightarrow$ Delay Angle		
P15 13 - <b>BACKSTOP</b>		TVDE
Description:		Read Only
The maximum possible Delay Angle for t	he current iERS saving phase	Read Only
(Backston starts at 55° and can be reduc	red by iERS )	
Displayed for diagnostic nurnoses		
May decrease during heavy load period	ds or instability	
The BackStop is the maximum iFRS sate	ving level allowed.	
RANGE:	MODBUS DECIMAL VALUE:	DFFAUIT:
$0^{\circ} - 55^{\circ}$	linear scale	0°
	$(1 = 1^{\circ} \text{ of mains cycle})$	0
	Time(ms)=(Value/LineFreg)*(25/9)	
MODBUS ADDRESS	MODBUS FORMAT	
23040 ( 5A00 hex )	16-bit unsigned	
TOUCHSCREEN MENU PATH:	10 bit dhoighed	
Home $\rightarrow$ Monitor $\rightarrow$ BackStop		
P15 14 - DELAY MAX		
P15.14 – <b>DELAY MAX</b>		<u>Type:</u> Road Only
P15.14 – <b>DELAY MAX</b> <u>DESCRIPTION:</u> The maximum passible delay for iEDS sa	ving Displayed for diagnostic purposes	<u>TYPE:</u> Read Only
P15.14 – <b>DELAY MAX</b> <u>DESCRIPTION:</u> The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.)	ving. Displayed for diagnostic purposes.	<u>Type:</u> Read Only
P15.14 – <b>DELAY MAX</b> <u>DESCRIPTION:</u> The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.) <u>RANGE:</u>	ving. Displayed for diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u>	<u>Type:</u> Read Only <u>Default:</u>
P15.14 – <b>DELAY MAX</b> <u>DESCRIPTION:</u> The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.) <u>RANGE:</u> 0° – 55°	wing. Displayed for diagnostic purposes. <u>Modbus Decimal Value:</u> linear scale	<u>Type:</u> Read Only <u>Default:</u> 0°
P15.14 – <b>DELAY MAX</b> <u>DESCRIPTION:</u> The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.) <u>RANGE:</u> 0° – 55°	wing. Displayed for diagnostic purposes. <u>Modbus Decimal Value:</u> linear scale (1 = 1° of mains cycle)	<u>Type:</u> Read Only <u>Default:</u> 0°
P15.14 – <b>DELAY MAX</b> <u>DESCRIPTION:</u> The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.) <u>RANGE:</u> 0° – 55°	ving. Displayed for diagnostic purposes. <u>Modbus Decimal Value:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9)	<u>Type:</u> Read Only <u>Default:</u> 0°
P15.14 – <b>DELAY MAX</b> <u>DESCRIPTION:</u> The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.) <u>RANGE:</u> 0° – 55° <u>MODBUS ADDRESS:</u>	ving. Displayed for diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>MODBUS FORMAT:</u>	<u>Type:</u> Read Only <u>DefAULT:</u> 0°
P15.14 – <b>DELAY MAX</b> <u>DESCRIPTION:</u> The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.) <u>RANGE:</u> 0° – 55° <u>MODBUS ADDRESS:</u> 22464 ( 57C0 hex )	oving. Displayed for diagnostic purposes. <u>Modbus Decimal Value:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>Modbus Format:</u> 16-bit unsigned	<u>Type:</u> Read Only <u>Default:</u> 0°
P15.14 – DELAY MAX <u>DESCRIPTION:</u> The maximum possible delay for iERS sa         (Delay Max is internally fixed at 55°.) <u>RANGE:</u> 0° – 55° <u>MODBUS ADDRESS:</u> 22464 ( 57C0 hex ) <u>TOUCHSCREEN MENU PATH</u> :	oving. Displayed for diagnostic purposes. <u>Modbus Decimal Value:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>Modbus Format:</u> 16-bit unsigned	<u>Type:</u> Read Only <u>Default:</u> 0°
<ul> <li>P15.14 – DELAY MAX</li> <li><u>DESCRIPTION:</u> <ul> <li>The maximum possible delay for iERS sa</li> <li>(Delay Max is internally fixed at 55°.)</li> </ul> </li> <li><u>RANGE:</u> <ul> <li>0° - 55°</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>22464 (57C0 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> <li>Home → Monitor → Delay Max</li> </ul> </li> </ul>	wing. Displayed for diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>MODBUS FORMAT:</u> 16-bit unsigned	<u>Type:</u> Read Only <u>Default:</u> 0°
P15.14 – DELAY MAXDESCRIPTION: The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.)RANGE: $0^{\circ} - 55^{\circ}$ $0^{\circ} - 55^{\circ}$ MODBUS ADDRESS: 22464 ( 57C0 hex ) TOUCHSCREEN MENU PATH: Home $\Rightarrow$ Monitor $\Rightarrow$ Delay MaxP15.15 – PRES PF DEGREES	oving. Displayed for diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>MODBUS FORMAT:</u> 16-bit unsigned	<u>Type:</u> Read Only <u>Default:</u> 0° <u>Type:</u>
P15.14 – DELAY MAX <u>DESCRIPTION:</u> The maximum possible delay for iERS sa         (Delay Max is internally fixed at 55°.) <u>RANGE:</u> 0° – 55° <u>MODBUS ADDRESS:</u> 22464 (57C0 hex ) <u>TOUCHSCREEN MENU PATH</u> :         Home → Monitor → Delay Max         P15.15 – PRES PF DEGREES <u>DESCRIPTION:</u>	oving. Displayed for diagnostic purposes. <u>Modbus Decimal Value:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>Modbus Format:</u> 16-bit unsigned	<u>Type:</u> Read Only <u>Default:</u> 0° <u>Type:</u> Read Only
P15.14 – DELAY MAX <u>DESCRIPTION:</u> The maximum possible delay for iERS sa         (Delay Max is internally fixed at 55°.) <u>RANGE:</u> 0° - 55° <u>MODBUS ADDRESS:</u> 22464 ( 57C0 hex ) <u>TOUCHSCREEN MENU PATH</u> :         Home → Monitor → Delay Max         P15.15 – PRES PF DEGREES <u>DESCRIPTION:</u> The Present Power Factor used by the iE	nving. Displayed for diagnostic purposes. <u>Modbus Decimal Value:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>Modbus Format:</u> 16-bit unsigned RS saving function. This is the actual Pow	<u>Type:</u> Read Only <u>DEFAULT:</u> 0° <u>Type:</u> Read Only er Factor for
<ul> <li>P15.14 – DELAY MAX <ul> <li><u>DESCRIPTION:</u></li> <li>The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.)</li> <li><u>RANGE:</u></li> <li>0° - 55°</li> </ul> </li> <li><u>MODBUS ADDRESS:</u></li> <li>22464 ( 57C0 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>: Home → Monitor → Delay Max</li> <li>P15.15 – PRES PF DEGREES <ul> <li><u>DESCRIPTION:</u></li> <li>The Present Power Factor used by the iE the iERS saving function. The "Delay" is</li> </ul> </li> </ul>	nving. Displayed for diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>MODBUS FORMAT:</u> 16-bit unsigned RS saving function. This is the actual Pow constantly adjusted to minimize the contr	<u>Type:</u> Read Only <u>DEFAULT:</u> 0° <u>Type:</u> Read Only er Factor for rol loop error
<ul> <li>P15.14 – DELAY MAX <ul> <li><u>DESCRIPTION:</u></li> <li>The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.)</li> <li><u>RANGE:</u></li> <li>0° - 55°</li> </ul> </li> <li><u>MODBUS ADDRESS:</u></li> <li>22464 (57C0 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> <li>Home → Monitor → Delay Max</li> </ul> P15.15 – PRES PF DEGREES <u>DESCRIPTION:</u> The Present Power Factor used by the iE the iERS saving function. The "Delay" is between "Pres PF Degrees" and "Ref PF F	Iving. Displayed for diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>MODBUS FORMAT:</u> 16-bit unsigned RS saving function. This is the actual Pow constantly adjusted to minimize the contr Degrees." The parameter displays the disp	<u>Type:</u> Read Only <u>DEFAULT:</u> 0° <u>Type:</u> Read Only er Factor for rol loop error placement part
P15.14 – DELAY MAX         DESCRIPTION:         The maximum possible delay for iERS sa         (Delay Max is internally fixed at 55°.)         RANGE:         0° – 55°         MODBUS ADDRESS:         22464 (57C0 hex )         TOUCHSCREEN MENU PATH:         Home → Monitor → Delay Max         P15.15 – PRES PF DEGREES         DESCRIPTION:         The Present Power Factor used by the iE         the iERS saving function. The "Delay" is         between "Pres PF Degrees" and "Ref PF I         of the True Power Factor, and is used for	Iving. Displayed for diagnostic purposes. <u>Modbus Decimal Value:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>Modbus Format:</u> 16-bit unsigned RS saving function. This is the actual Pow constantly adjusted to minimize the contr Degrees." The parameter displays the disp diagnostic purposes.	<u>Type:</u> Read Only <u>DEFAULT:</u> 0° <u>Type:</u> Read Only er Factor for rol loop error placement part
P15.14 – DELAY MAX         DESCRIPTION:         The maximum possible delay for iERS sa         (Delay Max is internally fixed at 55°.)         RANGE:         0° – 55°         MODBUS ADDRESS:         22464 (57C0 hex )         TOUCHSCREEN MENU PATH:         Home → Monitor → Delay Max         P15.15 – PRES PF DEGREES         DESCRIPTION:         The Present Power Factor used by the iE         the iERS saving function. The "Delay" is         between "Pres PF Degrees" and "Ref PF I         of the True Power Factor, and is used for         RANGE:	NVING. Displayed for diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>MODBUS FORMAT:</u> 16-bit unsigned RS saving function. This is the actual Pow constantly adjusted to minimize the contr Degrees." The parameter displays the disp diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u>	<u>Type:</u> Read Only <u>DEFAULT:</u> 0° <u>Type:</u> Read Only er Factor for rol loop error placement part <u>DEFAULT:</u>
P15.14 - DELAY MAXDESCRIPTION: The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.)RANGE: 0° - 55°0° - 55°MODBUS ADDRESS: 22464 (57C0 hex )22464 (57C0 hex )TOUCHSCREEN MENU PATH: Home $\rightarrow$ Monitor $\rightarrow$ Delay MaxP15.15 - PRES PF DEGREES DESCRIPTION: The Present Power Factor used by the iE the iERS saving function. The "Delay" is between "Pres PF Degrees" and "Ref PF I of the True Power Factor, and is used for RANGE: 0° - 90°	NVING. Displayed for diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>MODBUS FORMAT:</u> 16-bit unsigned RS saving function. This is the actual Pow constantly adjusted to minimize the contr Degrees." The parameter displays the disp diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u> linear scale	<u>Type:</u> Read Only <u>DEFAULT:</u> 0° <u>Type:</u> Read Only er Factor for ol loop error olacement part <u>DEFAULT:</u> 0°
P15.14 - DELAY MAXDESCRIPTION: The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.)RANGE: $0^{\circ} - 55^{\circ}$ $0^{\circ} - 55^{\circ}$ MODBUS ADDRESS: 22464 ( 57C0 hex )TOUCHSCREEN MENU PATH: Home $\Rightarrow$ Monitor $\Rightarrow$ Delay MaxP15.15 - PRES PF DEGREES DESCRIPTION: The Present Power Factor used by the iE the iERS saving function. The "Delay" is between "Pres PF Degrees" and "Ref PF I of the True Power Factor, and is used for RANGE: $0^{\circ} - 90^{\circ}$	NVING. Displayed for diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>MODBUS FORMAT:</u> 16-bit unsigned RS saving function. This is the actual Pow constantly adjusted to minimize the contr Degrees." The parameter displays the disp diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1° of mains cycle)	<u>Type:</u> Read Only <u>DEFAULT:</u> 0° <u>Type:</u> Read Only er Factor for rol loop error placement part <u>DEFAULT:</u> 0°
P15.14 - DELAY MAXDESCRIPTION:The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.)RANGE: $0^{\circ} - 55^{\circ}$ $0^{\circ} - 55^{\circ}$ MODBUS ADDRESS: 22464 (57C0 hex )TOUCHSCREEN MENU PATH: Home $\rightarrow$ Monitor $\rightarrow$ Delay MaxP15.15 - PRES PF DEGREES DESCRIPTION: The Present Power Factor used by the iE the iERS saving function. The "Delay" is between "Pres PF Degrees" and "Ref PF I of the True Power Factor, and is used for RANGE: $0^{\circ} - 90^{\circ}$	NVING. Displayed for diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) <u>MODBUS FORMAT:</u> 16-bit unsigned RS saving function. This is the actual Pow constantly adjusted to minimize the contr Degrees." The parameter displays the disp diagnostic purposes. <u>MODBUS DECIMAL VALUE:</u> linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9)	<u>Type:</u> Read Only <u>DEFAUIT:</u> 0° <u>Type:</u> Read Only er Factor for rol loop error placement part <u>DEFAUIT:</u> 0°
P15.14 - DELAY MAXDESCRIPTION: The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.)RANGE: $0^{\circ} - 55^{\circ}$ $0^{\circ} - 55^{\circ}$ MODBUS ADDRESS: 22464 (57C0 hex )TOUCHSCREEN MENU PATH: Home $\rightarrow$ Monitor $\rightarrow$ Delay MaxP15.15 - PRES PF DEGREES DESCRIPTION: The Present Power Factor used by the iE the iERS saving function. The "Delay" is between "Pres PF Degrees" and "Ref PF I of the True Power Factor, and is used for RANGE: $0^{\circ} - 90^{\circ}$ MODBUS ADDRESS:	NVING. Displayed for diagnostic purposes. MODBUS DECIMAL VALUE: linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) MODBUS FORMAT: 16-bit unsigned RS saving function. This is the actual Pow constantly adjusted to minimize the contr Degrees." The parameter displays the disp diagnostic purposes. MODBUS DECIMAL VALUE: linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) MODBUS FORMAT:	<u>Type:</u> Read Only <u>DEFAULT:</u> 0° <u>Type:</u> Read Only er Factor for rol loop error placement part <u>DEFAULT:</u> 0°
P15.14 - DELAY MAXDESCRIPTION: The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.)RANGE: 0° - 55° $0^{\circ} - 55^{\circ}$ MODBUS ADDRESS: 22464 (57C0 hex )TOUCHSCREEN MENU PATH: Home $\rightarrow$ Monitor $\rightarrow$ Delay MaxP15.15 - PRES PF DEGREES DESCRIPTION: The Present Power Factor used by the iE the iERS saving function. The "Delay" is between "Pres PF Degrees" and "Ref PF I of the True Power Factor, and is used for RANGE: 0° - 90°MODBUS ADDRESS: 21824 (5540 hex )	NVING. Displayed for diagnostic purposes. MODBUS DECIMAL VALUE: linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) MODBUS FORMAT: 16-bit unsigned RS saving function. This is the actual Pow constantly adjusted to minimize the contr Degrees." The parameter displays the disp diagnostic purposes. MODBUS DECIMAL VALUE: linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) MODBUS FORMAT: 16-bit unsigned	<u>Type:</u> Read Only <u>DEFAULT:</u> 0° <u>Type:</u> Read Only er Factor for rol loop error placement part <u>DEFAULT:</u> 0°
P15.14 - DELAY MAXDESCRIPTION: The maximum possible delay for iERS sa (Delay Max is internally fixed at 55°.)RANGE: 0° - 55° $0^{\circ} - 55^{\circ}$ MODBUS ADDRESS: 22464 (57C0 hex )TOUCHSCREEN MENU PATH: Home $\rightarrow$ Monitor $\rightarrow$ Delay MaxP15.15 - PRES PF DEGREES DESCRIPTION: The Present Power Factor used by the iE the iERS saving function. The "Delay" is between "Pres PF Degrees" and "Ref PF I of the True Power Factor, and is used for RANGE: 0° - 90°MODBUS ADDRESS: 21824 (5540 hex ) TOUCHSCREEN MENU PATH:	NVING. Displayed for diagnostic purposes. MODBUS DECIMAL VALUE: linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) MODBUS FORMAT: 16-bit unsigned RS saving function. This is the actual Pow constantly adjusted to minimize the contr Degrees." The parameter displays the disp diagnostic purposes. MODBUS DECIMAL VALUE: linear scale (1 = 1° of mains cycle) Time(ms)=(Value/LineFreq)*(25/9) MODBUS FORMAT: 16-bit unsigned	<u>Type:</u> Read Only <u>DEFAULT:</u> 0° <u>Type:</u> Read Only er Factor for ol loop error olacement part <u>DEFAULT:</u> 0°

#### PARAMETER DETAILS – "MONITOR" MENU OF PARAMETERS (CONTINUED)

P15.16 – REF PF DEGREES		<u>TYPE:</u>
Description:		Read Only
The Reference Power Factor used by the iE	RS saving function. This is the target Po	wer Factor
for the iERS saving function. The paramet	er will change dynamically depending o	n motor
operation. The parameter displays the dis	placement part of the True Power Facto	r, and is used
for diagnostic purposes.		
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
0° – 90°	linear scale (1 = 1° of mains cycle)	0°
	Time(ms)=(Value/LineFreq)*(25/9)	
Modbus Address:	Modbus Format:	
21760 ( 5500 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>	-	
Home → Monitor → Ref PF Degrees		
D15 17 - START SAVING LEVEL		
PIS.17 - SIARI SAVING LEVEL		Pood Only
The current in Amps at which the iEDS is	anablad or disablad	Read Only
The current in Amps at which the texs is     The iEBS function is active when the me	tor current is loss than the "Start Saving	
When the iEPS function is disabled into	and hypass relays close to improve offici	Level.
E006 I motor 2006 I motor	1000000000000000000000000000000000000	<u>DEFAULT.</u>
50%1-110(01 - 80%1-110(01	(11001  scale (1 - 0.000104 %))	ou%
	50% - 80% - (8191 - 15106)	1-1110101
	$K_{0}^{0}$ / 0.000104% – Modbus dec. Value	:
MODBUS ADDRESS:	MODBUS FORMAT:	
	To-pit unsigned	
IOUCHSCREEN IVIENU PAIH:		
Home $\rightarrow$ Monitor $\rightarrow$ Start Saving Level		

#### PARAMETER DETAILS - "MONITOR" MENU OF PARAMETERS (CONTINUED)

Each SR55 is tested at the factory. The Last Peak (Start) Current default may vary depending on the load that was tested.

P18.0 – <b>Last Peak (Start) Current</b>		<u>Түре:</u>
DESCRIPTION:		Read Only
Displays the peak current of the last s	uccessful start.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
0A – 10,000A	linear scale (1 = 1mA)	0A
MODBUS ADDRESS:	<u>Modbus Format:</u>	
38400/38401 ( 9600/9601 hex )	32-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home → Monitor → Last Peak Current		
(also Home $\rightarrow$ Log $\rightarrow$ Start Current Log	→ Last Peak Current)	

P/	ARAMETER DETAILS - MONITOR MEN	IU OF PARAMETERS (CONTINUED)	
	Р15.18 <b>– НеатSink Темр</b>		<u>TYPE:</u>
	DESCRIPTION:		Read Only
	The temperature of the internal SF	R55 heatsink.	
	• The SR55 will trip when the heat	sink temperature exceeds 80°C.	
	• The internal cooling fans will tur	n on if this temperature exceeds 40°C.	
	RANGE:	Modbus Decimal Value:	DEFAULT:
	-20°C – 80°C	Address Format 16-bit (Highbyte=b11-b8, LowByte=b7-b0) Ta ≥ 0 b12=0 Ta < 0 b12=1 Address Note bit12=0 [HighByte*16 + LowByte/16]bit12=1 256-[HighByte*16 +	ambient °C
		LowByte/16]	
	Modbus Address:	<u>Modbus Format:</u>	
	36544 ( 8EC0 hex )	16-bit unsigned	
	<u>Touchscreen Menu Path</u> :		
	Home → Monitor → HeatSink Temp		
	P15.19 – Motor Thermistor		ΤΥΡΕ:
	DESCRIPTION:		Read Only
	Indicates the state of the SR55 PTC	Cinput: designed for single, double or triple PTC	in series.
	PTC thermistor standards DIN44	081 / EN60738-1 apply.	
	$(< 3000 @ 25^{\circ}C_{\circ}$ typically 4k0 @	nominal temperature )	
	The value indicated is a not in de	egrees Celsius, but is an internal representation	
	• At 25°C the value displayed shou	Id be less than 100 and the SR55 trips when val	ue > 400 (4kO)
	(open circuit = 1023)		uc · +00 (+K22).
	• The value will increase rapidly w	hen the motor thermistors approach their pomi	nəl
	• The value with increase rapidly w	nen tile motor tilermistors approach tiler norm	iiat
	. If thermistors are connected the	"Thermister trip" should be turned "on "	
	• If thermistors are connected, the		DEEALUT
	<u>RANGE:</u>	MODBOS DECIMAL VALUE:	DEFAULT:
	0 - 1024	linear scale $(1 = 1)$	1024
	<u>MODBUS ADDRESS:</u>	MODBUS FORMAT:	
	10432 ( 28C0 hex )	16-bit unsigned	
	<u>IOUCHSCREEN MENU PATH</u> :		
	Home $\rightarrow$ Monitor $\rightarrow$ Motor Thermist	or	
	P15.20 – <b>Overload</b>		<u>Type:</u>
	<u>Description:</u>		Read Only
	The SR55 has an "Overload" functi	ion that is an electronic equivalent to a thermal	overload.
	<ul> <li>"Overload" displays the overloa</li> </ul>	d capacity, which is a measure of how close the	SR55
	"Overload Trip" is to tripping.		
	When "Current I <sub>rms</sub> " is greater the accordance with the "Trin Class.	nan the "Overload Level," the "Overload" increas "	ses in
	• When "Current I <sub>rms</sub> " is less than	the "Overload Level," the "Overload" decreases	exponentially
	(if greater than 50%).		
	• When the "Overload" reaches 10	0% the SR55 will trip.	
	<ul> <li>During situations when (I-motor)</li> </ul>	) is equal to (I-SR55) the overload will indicate 50	0%.
	<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
	0% – 100%	linear scale ( 1 = 0.006104 % )	0%
		0% - 100% = (0 - 16384)	
		x% / 0.006104% = Modbus dec. value	
		EX: Modbus value of 5250 = 32.05%	
	Modbus Address:	<u>Modbus Format:</u>	
	33408 ( 8280 hex )	16-bit unsigned	
	TOUCHSCREEN MENU PATH:	-	
	Home → Monitor → Overload		

# PARAMETER DETAILS – "MONITOR" MENU OF PARAMETERS (CONTINUED)

#### **PARAMETER DETAILS (CONTINUED)**

#### "LOG" MENU OF PARAMETERS



Each SR55 is tested at the factory, and each unit may have a brief log history from this testing.

#### EVENT TIMES FOR START CURRENT, TEMPERATUE, OVERLOAD PARAMETERS

The event time shows up on the "Start Current," "temperature," and "Overload" Logs. These events are logged at the same time, which are reflected by the 10 "Event Time" parameters.

Р16.0 – <b>Еvent Тіме –</b>		HOLDING
LAST PEAK START CURRENT / LAST TEMPERATUR	re / Last Overload	<u>REGISTER TYPE:</u>
DESCRIPTION:		Read Only
Displays the event time.		
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
hh:mm:ss	Time (ms) since midnight	GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
Modbus Address:	<u>Modbus Format:</u>	
38464 ( 9640 hex )	6 Bytes	
<u>Touchscreen Menu Path</u> :		
Home → Log → Start Current / Temperat	ure / Overload →	
Last Peak Start Current / Last Temperat	ure / Last Overload	
P16.1 – <b>Event Time</b> –		HOLDING
LAST PEAK START CURRENT / LAST TEMPERATUR	re / Last Overload -1	REGISTER TYPE:
Description:		Read Only
Displays the event time -1.		-
RANGE:	Modbus Decimal Value:	DEFAULT:
hh:mm:ss	Time (ms) since midnight	GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
Modbus Address:	MODBUS FORMAT:	
38467 ( 9643 hex )	6 Bytes	
TOUCHSCREEN MENU PATH:		
Home → Log → Start Current / Temperat	ure / Overload →	
Last Peak Start Current / Last Temperat	ure / Last Overload -1	
P16.2 – <b>Event Time</b> –		HOLDING
LAST PEAK START CURRENT / LAST TEMPERATU	re / Last Overload -2	REGISTER TYPE:
DESCRIPTION:		Read Only
Displays the event time -2.		-
RANGE:	Modbus Decimal Value:	DEFAULT:
hh:mm:ss	Time (ms) since midnight	GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
Modbus Address:	MODBUS FORMAT:	
38470 ( 9646 hex )	6 Bytes	
TOUCHSCREEN MENU PATH:		
Home $\rightarrow$ Log $\rightarrow$ Start Current / Temperat	ure / Overload →	
Last Peak Start Current / Last Temperat	ure / Last Overload -2	

Each SR55 is tested at the factory, c testing.	and each unit may have a brief log history ,	from this
P16.3 – Event Time – Last Peak Start Current / Last Tempe	RATURE / LAST OVERLOAD -3	<u>Holding</u> <u>Register Typi</u>
DESCRIPTION:		Read Only
Displays the event time -3.		
RANGE:	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
hh:mm:ss	Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)	GMT
Modbus Address:	MODBUS FORMAT:	
38473 ( 9649 hex )	6 Bytes	
TOUCHSCREEN MENU PATH:		
Home $\rightarrow$ Log $\rightarrow$ Start Current / Tem	perature / Overload →	
Last Peak Start Current / Last Tem	perature / Last Overload -3	
Р16.4 <b>– Еvent Тіме –</b>		HOLDING
LAST PEAK START CURRENT / LAST TEMPE	RATURE / LAST OVERLOAD -4	REGISTER TYP
DESCRIPTION:		Read Only
Displays the event time -4.		
RANGE:	Modbus Decimal Value:	DEFAULT:
hh:mm:ss	Time (ms) since midnight	GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
Modbus Address:	MODBUS FORMAT:	
38476 ( 964C hex )	6 Bytes	
TOUCHSCREEN MENU PATH:		
Home $\rightarrow \log \rightarrow$ Start Current / Tem	perature / Overload →	
Last Peak Start Current / Last Tem	perature / Last Overload -4	
Р16 5 – <b>Еvent Time –</b>		HOLDING
LAST PEAK START CURRENT / LAST TEMPE	RATURE / LAST OVERLOAD -5	REGISTER TYP
DESCRIPTION <sup>®</sup>		Read Only
Displays the event time -5		neud only
RANGE:	MODBUS DECIMAL VALUE.	DEFAILIT
hh:mm:ss	Time (ms) since midnight	GMT
	(bytes5.4.3.2) and Days since	0.01
	(0)/(0)/(1984) (bytes1.0)	
MODBUS ADDRESS	MODBUS FORMAT	
38479 (964F hex )	6 Bytes	
	o bytes	
Home 2 Log 2 Start Current / Tom	nerature / Overload →	
Last Doale Start Current / Last Tom	perature / Overload 5	
Last Feak Start Current / Last Tem	perature / Last Overtoau -5	

testing.		
Р16.6 — <b>Еvent Тіме —</b>		HOLDING
LAST PEAK START CURRENT / LAST TEMPERA	ature / Last Overload -6	<u>Register Type</u>
DESCRIPTION:		Read Only
Displays the event time -6.		
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
hh:mm:ss	Time (ms) since midnight	GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
<u>Modbus Address:</u>	Modbus Format:	
38482 ( 9652 hex )	6 Bytes	
<u>TOUCHSCREEN MENU PATH</u> :		
Home → Log → Start Current / Tempe	erature / Overload →	
Last Peak Start Current / Last Tempe	erature / Last Overload -6	
Р16.7 — <b>Еvent Тіме —</b>		HOLDING
LAST PEAK START CURRENT / LAST TEMPER	ATURE / LAST OVERLOAD -7	REGISTER TYPE
DESCRIPTION:		Read Only
Displays the event time -7.		,
RANGE:	Modbus Decimal Value:	DEFAULT:
hh:mm:ss	Time (ms) since midnight	GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
Modbus Address:	MODBUS FORMAT:	
	6 Bytes	
TOUCHSCREEN MENU PATH:	,	
Home $\rightarrow$ Log $\rightarrow$ Start Current / Tempe	erature / Overload →	
Last Peak Start Current / Last Tempe	erature / Last Overload -7	
		HOLDING
I AST PEAK START CURRENT / LAST TEMPER	ATURE / LAST OVERLOAD -8	REGISTER TVP
Description:		Read Only
Displays the event time -8		Read only
BANGE:	MODBUS DECIMAL VALUE	DEEALUT
hh:mm:ss	Time (ms) since midnight	<u>DLFAULT.</u> GMT
111.1111.55	(bytes5 4 3 2) and Days since	GMT
	(1/01/1984 (bytes1.0))	
MODBUS ADDRESS'	MODBUS FORMAT	
38488 (9658 hev )	6 Bytes	
TOUCHSCREEN MENU DATU	0 Dytes	
Home a Log a Start Current / Tome	prature / Overload >	
	rature / Uvertual 7	

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# PARAMETER DETAILS - "LOG" MENU OF PARAMETERS (CONTINUED)

Each SR55 is tested at the factory, and each unit may have a brief log history from this testing.

Р16.9 — <b>Еvent Тіме —</b>		<u>HOLDING</u>
LAST PEAK START CURRENT / LAST TEMPER	ATURE / LAST OVERLOAD -9	<u>REGISTER TYPE:</u>
Description:		Read Only
Displays the event time -9.		
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
hh:mm:ss	Time (ms) since midnight	GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
<u>Modbus Address:</u>	<u>Modbus Format:</u>	
38491 ( 965B hex )	6 Bytes	
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Log $\rightarrow$ Start Current / Temp	erature / Overload →	
Last Peak Start Current / Last Temp	erature / Last Overload -9	

## LOG "TRIP LOG" & EVENT TIMES PARAMETERS

P17.0 – <b>LAST TRIP</b>		<u> ТҮРЕ:</u>
DESCRIPTION:		Read Only
Displays the last Fault trip.		
Refer to "Trip Code Descriptions" in this ch	apter.	
RANGE:	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
• Trip: 0 – 65,535	<ul> <li>linear scale (1 = 1)</li> </ul>	• 0
Trip Time: hh:mm:ss	• Time (ms) since midnight	• GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
MODBUS ADDRESS:	<u>Modbus Format:</u>	
• Trip: 60608 ( ECC0 hex )	<ul> <li>16-bit unsigned</li> </ul>	
• Trip Time: 60672 ( ED00 hex )	• 6 Bytes	
<u>Touchscreen Menu Path:</u>		
Home $\rightarrow$ Log $\rightarrow$ Trip Log $\rightarrow$ Last Trip		
P17.1 – <b>LAST TRIP -1</b>		<u>TYPE:</u>
P17.1 – <b>LAST TRIP -1</b> <u>DESCRIPTION:</u>		<u>TYPE:</u> Read Only
P17.1 – <b>LAST TRIP -1</b> <u>DESCRIPTION:</u> Displays the last Fault trip -1.		<u>TYPE:</u> Read Only
<ul> <li>P17.1 – LAST TRIP -1</li> <li><u>DESCRIPTION:</u></li> <li>Displays the last Fault trip -1.</li> <li>Refer to "Trip Code Descriptions" in this choose the second secon</li></ul>	apter.	<u>Type:</u> Read Only
<ul> <li>P17.1 – LAST TRIP -1</li> <li><u>DESCRIPTION:</u></li> <li>Displays the last Fault trip -1.</li> <li>Refer to "Trip Code Descriptions" in this characteristic trip Code Descriptions.</li> </ul>	apter. <u>Modbus Decimal Value:</u>	<u>TYPE:</u> Read Only <u>DEFAULT:</u>
<ul> <li>P17.1 - LAST TRIP -1</li> <li><u>DESCRIPTION:</u></li> <li>Displays the last Fault trip -1.</li> <li>Refer to "Trip Code Descriptions" in this ch.</li> <li><u>RANGE:</u></li> <li>Trip: 0 - 65,535</li> </ul>	apter. <u>MODBUS DECIMAL VALUE:</u> • linear scale (1=1)	<u>Type:</u> Read Only <u>Default:</u> • 0
<ul> <li>P17.1 - LAST TRIP -1</li> <li><u>DESCRIPTION:</u></li> <li>Displays the last Fault trip -1.</li> <li>Refer to "Trip Code Descriptions" in this change:</li> <li>Trip: 0 - 65,535</li> <li>Trip Time: hh:mm:ss</li> </ul>	apter. <u>Modbus Decimal Value:</u> • linear scale (1 = 1) • Time (ms) since midnight	<u>Type:</u> Read Only <u>Default:</u> • 0 • GMT
<ul> <li>P17.1 – LAST TRIP -1</li> <li><u>DESCRIPTION:</u></li> <li>Displays the last Fault trip -1.</li> <li>Refer to "Trip Code Descriptions" in this change:</li> <li>Trip: 0 – 65,535</li> <li>Trip Time: hh:mm:ss</li> </ul>	apter. <u>MODBUS DECIMAL VALUE:</u> • linear scale (1 = 1) • Time (ms) since midnight (bytes5,4,3,2) and Days since	<u>Type:</u> Read Only <u>Default:</u> • 0 • GMT
<ul> <li>P17.1 - LAST TRIP -1</li> <li><u>DESCRIPTION:</u></li> <li>Displays the last Fault trip -1.</li> <li>Refer to "Trip Code Descriptions" in this change:</li> <li>Trip: 0 - 65,535</li> <li>Trip Time: hh:mm:ss</li> </ul>	<ul> <li>apter.</li> <li><u>MODBUS DECIMAL VALUE:</u></li> <li>linear scale (1 = 1)</li> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</li> </ul>	<u>Type:</u> Read Only <u>Default:</u> • 0 • GMT
<ul> <li>P17.1 – LAST TRIP -1</li> <li><u>DESCRIPTION:</u></li> <li>Displays the last Fault trip -1.</li> <li>Refer to "Trip Code Descriptions" in this ch.</li> <li><u>RANGE:</u></li> <li>Trip: 0 – 65,535</li> <li>Trip Time: hh:mm:ss</li> </ul>	<ul> <li>apter.</li> <li><u>MODBUS DECIMAL VALUE:</u> <ul> <li>linear scale (1 = 1)</li> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</li> </ul> </li> <li><u>MODBUS FORMAT:</u></li> </ul>	<u>Type:</u> Read Only <u>DefAULT:</u> • 0 • GMT
<ul> <li>P17.1 – LAST TRIP -1</li> <li><u>DESCRIPTION:</u></li> <li>Displays the last Fault trip -1.</li> <li>Refer to "Trip Code Descriptions" in this ch.</li> <li><u>RANGE:</u></li> <li>Trip: 0 – 65,535</li> <li>Trip Time: hh:mm:ss</li> </ul> <u>MODBUS ADDRESS:</u> <ul> <li>60609 (ECC1 hex )</li> </ul>	apter. <u>MODBUS DECIMAL VALUE:</u> • linear scale (1 = 1) • Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0) <u>MODBUS FORMAT:</u> • 16-bit unsigned	<u>TYPE:</u> Read Only <u>DEFAULT:</u> • 0 • GMT
<ul> <li>P17.1 – LAST TRIP -1</li> <li><u>DESCRIPTION:</u> Displays the last Fault trip -1.</li> <li>Refer to "Trip Code Descriptions" in this change:</li> <li>Trip: 0 – 65,535</li> <li>Trip Time: hh:mm:ss</li> </ul> <u>MODBUS ADDRESS:</u> <ul> <li>60609 (ECC1 hex )</li> <li>60675 (ED03 hex )</li> </ul>	<ul> <li>apter.</li> <li><u>MODBUS DECIMAL VALUE:</u> <ul> <li>linear scale (1 = 1)</li> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</li> </ul> </li> <li><u>MODBUS FORMAT:</u> <ul> <li>16-bit unsigned</li> <li>6 Bytes</li> </ul> </li> </ul>	<u>Type:</u> Read Only <u>Default:</u> • 0 • GMT
<ul> <li>P17.1 - LAST TRIP -1 <u>DESCRIPTION:</u> Displays the last Fault trip -1. <ul> <li>Refer to "Trip Code Descriptions" in this characteristic in this characteristic in the second sec</li></ul></li></ul>	<ul> <li>apter.</li> <li><u>MODBUS DECIMAL VALUE:</u> <ul> <li>linear scale (1 = 1)</li> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</li> </ul> </li> <li><u>MODBUS FORMAT:</u> <ul> <li>16-bit unsigned</li> <li>6 Bytes</li> </ul> </li> </ul>	<u>Type:</u> Read Only <u>Default:</u> • 0 • GMT
Each SR55 is tested at the factory, and each unit may have a brief log history from this		
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		<b>T</b>
P1/.2 – LAST TRIP -2		<u>IYPE:</u>
<u>DESCRIPTION:</u>		Read On
Displays the last Fault trip -2.		
<ul> <li>Refer to "Trip Code Descriptions" in the</li> </ul>	his chapter.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
• Trip: 0 – 65,535	<ul> <li>linear scale (1 = 1)</li> </ul>	• 0
<ul> <li>Trip Time: hh:mm:ss</li> </ul>	<ul> <li>Time (ms) since midnight</li> </ul>	• GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
Modbus Address:	MODBUS FORMAT:	
• 60610 ( ECC2 hex )	<ul> <li>16-bit unsigned</li> </ul>	
• 60678 (ED06 hex)	• 6 Bytes	
TOUCHSCREEN MENU PATH:	-	
Home $\rightarrow$ Log $\rightarrow$ Trip Log $\rightarrow$ Last Trip -2		
P17.3 – <b>LAST TRIP -3</b>		<u>TYPE:</u>
DESCRIPTION:		Read Or
Displays the last Fault trip -3.		
Refer to "Trip Code Descriptions" in th	his chapter.	
RANGE:	MODBUS DECIMAL VALUE:	DEFAULT:
• Trip: 0 – 65,535	<ul> <li>linear scale (1 = 1)</li> </ul>	• 0
Trip Time: hh:mm:ss	• Time (ms) since midnight	• GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
Modbus Address:	MODBUS FORMAT:	
• 60611 ( ECC3 hex )	<ul> <li>16-bit unsigned</li> </ul>	
• 60681 (ED09 hex)	6 Bytes	
TOUCHSCREEN MENU PATH:		
Home $\rightarrow$ Log $\rightarrow$ Trip Log $\rightarrow$ Last Trip -3		
P17.4 – LAST TRIP -4		<u>Type:</u>
DESCRIPTION:		Read Or
Displays the last Fault trip -4.		
Refer to "Trip Code Descriptions" in the second secon	his chapter.	
RANGE:	, Modbus Decimal Value:	DEFAULT:
• Trip: 0 - 65.535	<ul> <li>linear scale (1 = 1)</li> </ul>	• 0
Trip Time: hh:mm:ss	• Time (ms) since midnight	• GMT
	(bytes5 4 3 2) and Days since	Civit
	(1/01/1984 (bytes 1.0))	
MODBUS ADDRESS:	MODBUS FORMAT	
• 60612 ( FCC4 bex )	16-bit unsigned	
• 60684 (EDOC box)	6 Bytes	
	• O Dytes	
IUUCHSCREEN IVIENU PAIH:		
Home $\rightarrow$ Log $\rightarrow$ Irip Log $\rightarrow$ Last Irip -4		

Each SR55 is tested at the factory, and each testing.	n unit may have a brief log history f	rom this
P17.5 – LAST TRIP -5		Τγρε:
Description:		Read Only
Displays the last Fault trip -5.		
<ul> <li>Refer to "Trip Code Descriptions" in this</li> </ul>	chapter.	
RANGE:	MODBUS DECIMAL VALUE:	DEFAULT:
• Trip: 0 - 65.535	<ul> <li>linear scale (1 = 1)</li> </ul>	• 0
Trip Time: hh:mm:ss	<ul> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</li> </ul>	• GMT
Modbus Address:	Modbus Format:	
• 60613 ( ECC5 hex )	• 16-bit unsigned	
• 60687 ( ED0F hex )	• 6 Bytes	
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ Log $\rightarrow$ Trip Log $\rightarrow$ Last Trip -5		
P17.6 – <b>LAST TRIP -6</b>		<u>TYPE:</u>
DESCRIPTION:		Read Onl
Displays the last Fault trip -6.		
<ul> <li>Refer to "Trip Code Descriptions" in this</li> </ul>	chapter.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
• Trip: 0 – 65,535	<ul> <li>linear scale (1 = 1)</li> </ul>	• 0
• Trip Time: hh:mm:ss	<ul> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</li> </ul>	• GMT
Modbus Address:	Modbus Format:	
• 60614 ( ECC6 hex )	<ul> <li>16-bit unsigned</li> </ul>	
• 60690 (ED12 hex)	• 6 Bytes	
TOUCHSCREEN MENU PATH:	-	
Home $\rightarrow$ Log $\rightarrow$ Trip Log $\rightarrow$ Last Trip -6		
P17.7 <b>– Last Trip -7</b>		TYPE:
DESCRIPTION:		Read Onl
Displays the last Fault trip -7.		
Refer to "Trip Code Descriptions" in this	chapter.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>Default:</u>
<ul> <li>Trip: 0 – 65,535</li> </ul>	<ul> <li>linear scale (1 = 1)</li> </ul>	• 0
Trip Time: hh:mm:ss	• Time (ms) since midnight	• GMT
	(bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)	
MODBUS ADDRESS:	<u>Modbus Format:</u>	
• 60615 ( ECC7 hex )	<ul> <li>16-bit unsigned</li> </ul>	
• 60693 ( ED15 hex )	• 6 Bytes	
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Log $\rightarrow$ Trip Log $\rightarrow$ Last Trip -7		

cach SR55 is tested at the factory, and eac testing.	n unit may nave a brief log history fi	rom this
 Р17.8 <b>– Last Trip -8</b>		<u>Түре:</u>
DESCRIPTION:		Read Only
Displays the last Fault trip -8.		
• Refer to "Trip Code Descriptions" in this	chapter.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
• Trip: 0 – 65,535	<ul> <li>linear scale (1 = 1)</li> </ul>	• 0
Trip Time: hh:mm:ss	<ul> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</li> </ul>	• GMT
Modbus Address:	MODBUS FORMAT:	
• 60616 ( ECC8 hex )	<ul> <li>16-bit unsigned</li> </ul>	
• 60696 ( ED18 hex )	• 6 Bytes	
<u>TOUCHSCREEN MENU PATH:</u>		
Home → Log → Trip Log → Last Trip -8		
P17.9 <b>– Last Trip -9</b>		<u>TYPE:</u>
Description:		Read Only
Displays the last Fault trip -9.		
<ul> <li>Refer to "Trip Code Descriptions" in this</li> </ul>	chapter.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
• Trip: 0 – 65,535	<ul> <li>linear scale (1 = 1)</li> </ul>	• 0
Trip Time: hh:mm:ss	<ul> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</li> </ul>	• GMT
Modbus Address:	MODBUS FORMAT:	
• 60617 ( ECC9 hex )	<ul> <li>16-bit unsigned</li> </ul>	
• 60699 ( ED1B hex )	• 6 Bytes	
<u>Touchscreen Menu Path</u> :		
Home → Log → Trip Log → Last Trip -9		

#### ΡΑΡΑΜΕΤΕΡ ΠΕΤΛΙΙς "LOG" MENU OF PARAMETERS (CONTINUED)

### LOG "START CURRENT LOG" PARAMETERS

P18.0 – LAST PEAK CURRENT		<u>TYPE:</u>
DESCRIPTION:		Read Only
Displays the peak current of the last succe	ssful start.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
0A – 10,000A	linear scale (1 = 1mA)	0A
	Current (A) = (Value / 1000)	
MODBUS ADDRESS:	<u>Modbus Format:</u>	
38400/38401 ( 9600/9601 hex )	32-bit unsigned	
<u>Touchscreen Menu Path:</u>		
Home $\rightarrow$ Log $\rightarrow$ Start Current Log $\rightarrow$ Last Pea	ak Current	
(Home → Monitor → Last Peak Current)		

Each SR55 is tested at the factory, and ea cesting.	ach unit may have a brief log history	from this
P18.1 – LAST PEAK START CURRENT -1		<u>Түре:</u>
DESCRIPTION:		Read Onl
Displays the peak current of the last suc	cessful start -1.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
0A – 10,000A	linear scale (1 = 1mA)	0A
	Current (A) = (Value / 1000)	
<u>MODBUS ADDRESS:</u>	<u>Modbus Format:</u>	
38402/38403 ( 9602/9603 hex )	32-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home → Log → Start Current Log → Last F	Peak Start Current -1	
P18.2 – LAST PEAK START CURRENT -2		TYPE:
DESCRIPTION:		Read On
Displays the peak current of the last suc	cessful start -2.	
Range:	MODBUS DECIMAL VALUE:	DEFAULT:
0A – 10.000A	linear scale (1 = 1mA)	0A
	Current (A) = (Value / $1000$ )	
Modbus Address:	Modbus Format:	
38404/38405 ( 9604/9605 hex )	32-bit unsigned	
TOUCHSCREEN MENU PATH:	5	
Home → Log → Start Current Log → Last F	Peak Start Current -2	
P18 3 – LAST PEAK START CURRENT -3		TYPE
DESCRIPTION'		Read On
Displays the peak current of the last suc	ressful start -3	Redd Off
RANGE'	MODBUS DECIMAL VALUE	DEENIIIT
0A = 10,000A	linear scale $(1 = 1 \text{ mA})$	0A
0/1 10,000/1	Current (A) = (Value / 1000)	0/1
MODBUS ADDRESS	Μορβιις Γορματ:	
38406/38407 ( 9606/9607 hex )	32-bit unsigned	
Τομεμες του Του ( υσου, στου του της του Τ	0_ 010 0101g.100	
Home $\rightarrow$ Log $\rightarrow$ Start Current Log $\rightarrow$ Last F	Peak Start Current -3	
$\frac{1}{2}$		
Description:		Pood On
Displays the peak current of the last suc	cossful start-A	Read Off
PANCE		DEEALUT
$\frac{100000}{10000}$	$\frac{MODBOS DECIMAL VALUE}{1 - 1 mA}$	<u>DEFAULT.</u>
UA - 10,000A	(ineal scale (I – IIIA) Current (A) – (Value / 1000)	UA
MODBUS ADDRESS.	MODPUS EOPMAT:	
<u>1000003 ADDRESS.</u>	22 bit unsigned	
JOHUO/JOHUJ ( JOUO/JOUJ HEX )	SZ-DIL UISIBIIEU	
IUUCHSCREEN IVIENU PATH:		

במכח אלט is tested at the factory, and e testing.	acn unit may have a brief log history	from this
P18.5 – LAST PEAK START CURRENT -5		<u>Type:</u>
DESCRIPTION:		Read On
Displays the peak current of the last suc	ccessful start -5.	
<u>RANGE:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
0A – 10,000A	linear scale (1 = 1mA)	0A
	Current (A) = (Value / 1000)	
Modbus Address:	<u>Modbus Format:</u>	
38410/38411 ( 960A/960B hex )	32-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>	-	
Home $\rightarrow$ Log $\rightarrow$ Start Current Log $\rightarrow$ Last	Peak Start Current -5	
P18.6 – LAST PEAK START CURRENT -6		TYPE:
DESCRIPTION:		Read On
Displays the peak current of the last suc	ccessful start -6.	
RANGE:	MODBUS DECIMAL VALUE:	DFFAUIT:
0A - 10.000A	linear scale $(1 = 1 \text{ mA})$	0A
	Current (A) = (Value / 1000)	
MODBUS ADDRESS:	MODBUS FORMAT:	
38412/38413 ( 960C/960D hex )	32-bit unsigned	
Touchscreen Menu Path:		
Home $\rightarrow$ Log $\rightarrow$ Start Current Log $\rightarrow$ Last	Peak Start Current -6	
P18 7 - LAST PEAK START CURRENT -7		TVDE
DESCRIPTION:		Read On
Displays the peak current of the last sur	ccessful start -7	nedd of
RANGE'	MODBUS DECIMAL VALUE	DEFAULT
0A = 10000A	linear scale $(1 = 1 \text{ mA})$	0A
0,1 10,000,1	Current (A) = (Value / 1000)	0/1
MODBUS ADDRESS'	MODBUS FORMAT	
38414/38415 ( 960E/960E bex )	32-bit unsigned	
TOUCHSCREEN MENU PATH:	52 Sreuhsigheu	
Home $\rightarrow$ Log $\rightarrow$ Start Current Log $\rightarrow$ Last	Peak Start Current -7	
D18 8 - LAST DEAK START CURDENT - 9		
Description		<u>Pead Or</u>
Displays the peak current of the last sur	cossful start -8	Read Of
PANCE:		DEEALUT
$\frac{10000}{10000}$	1000000000000000000000000000000000000	<u>DEFAULT.</u> 0A
0A - 10,000A	Current (A) = (Value / 1000)	UA
	Moonus Fondat:	
<u>1000003 AUDRESS.</u> 38416/38417 ( 0610/0611 boy )	22-bit unsigned	
JOHLO/JOHLI (JOLU/JOLL NEX)	SZ-DIL UHSIGHEU	
IUUCHSCREEN IVIENU PATH.		

Each SR55 is tested at the factory, and each unit may have a brief log history from this testing.

P18.9 – LAST PEAK START CURRENT -9		<u>Түре:</u>
DESCRIPTION:		Read Only
Displays the peak current of the last s	successful start -9.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
0A – 10,000A	linear scale (1 = 1mA)	0A
	Current (A) = (Value / 1000)	
Modbus Address:	<u>Modbus Format:</u>	
38418/38419 ( 9612/9613 hex )	32-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ Log $\rightarrow$ Start Current Log $\rightarrow$ Las	st Peak Start Current -9	

### LOG "STOP CURRENT LOG" & EVENT TIMES PARAMETERS

P19.0 – LAST PEAK STOP CURRENT		<u>Түре:</u>
DESCRIPTION:		Read Only
Displays the peak current of the last successful s	stop.	
<u>Range:</u>	Modbus Decimal Value:	<u>Default:</u>
<ul> <li>Peak Current: 0A – 10,000A</li> </ul>	<ul> <li>linear scale (1 = 1mA)</li> </ul>	• 0A
	Current (A) = (Value / 1000)	
<ul> <li>Peak Current Time: hh:mm:ss</li> </ul>	<ul> <li>Time (ms) since midnight</li> </ul>	• GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
MODBUS ADDRESS:	Modbus Form	<u>NT:</u>
• Peak Current: 39040/39041 ( 9880/9881 hex )	• 32-bit unsi	gned
<ul> <li>Peak Current Time: 39104/39105/39106 ( 98C0</li> </ul>	)/98C1/98C2 hex ) • 6 Bytes	
<u>TOUCHSCREEN MENU PATH</u> :		
Home $\rightarrow$ Log $\rightarrow$ Stop Current Log $\rightarrow$ Last Peak Sto	p Current	
P19.1 – LASI PEAK STOP CURRENT -1		<u>TYPE.</u>
DESCRIPTION:		Read Only
Displays the peak current of the last successful s	top -1.	Read Only
Displays the peak current of the last successful s <u>RANGE:</u>	top -1. <u>Modbus Decimal Value:</u>	Read Only
<ul> <li>P19.1 – LAST PEAK STOP CORRENT -1</li> <li><u>DESCRIPTION:</u></li> <li>Displays the peak current of the last successful s</li> <li><u>RANGE:</u></li> <li>Peak Current: 0A – 10,000A</li> </ul>	top -1. <u>Modbus Decimal Value:</u> • linear scale (1 = 1mA)	Read Only DEFAULT: • 0A
<ul> <li>P19.1 – LAST PEAK STOP CORRENT -1</li> <li><u>DESCRIPTION:</u></li> <li>Displays the peak current of the last successful s</li> <li><u>RANGE:</u></li> <li>Peak Current: 0A – 10,000A</li> </ul>	top -1. <u>Modbus Decimal Value:</u> • linear scale (1 = 1mA) Current (A) = (Value / 1000)	Read Only <u>DEFAULT:</u> • 0A
<ul> <li>P19.1 – LAST PEAK STOP CORRENT -1 <u>DESCRIPTION:</u> Displays the peak current of the last successful s <u>RANGE:</u></li> <li>Peak Current: 0A – 10,000A</li> <li>Peak Current Time: hh:mm:ss</li> </ul>	<ul> <li>stop -1.</li> <li><u>MODBUS DECIMAL VALUE:</u></li> <li>linear scale (1 = 1mA) Current (A) = (Value / 1000)</li> <li>Time (ms) since midnight</li> </ul>	Read Only DEFAULT: • 0A • GMT
<ul> <li>P19.1 – LAST PEAK STOP CORRENT -1 <u>DESCRIPTION:</u> Displays the peak current of the last successful s <u>RANGE:</u></li> <li>Peak Current: 0A – 10,000A</li> <li>Peak Current Time: hh:mm:ss</li> </ul>	<ul> <li>stop -1.</li> <li><u>MODBUS DECIMAL VALUE:</u></li> <li>linear scale (1 = 1mA) Current (A) = (Value / 1000)</li> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since</li> </ul>	Read Only <u>DEFAULT:</u> • 0A • GMT
<ul> <li>P19.1 - LAST PEAK STOP CORRENT -1 <u>DESCRIPTION:</u> Displays the peak current of the last successful s <u>RANGE:</u></li> <li>Peak Current: 0A - 10,000A</li> <li>Peak Current Time: hh:mm:ss</li> </ul>	<ul> <li>stop -1.</li> <li><u>MODBUS DECIMAL VALUE:</u></li> <li>linear scale (1 = 1mA) Current (A) = (Value / 1000)</li> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</li> </ul>	Read Only DEFAULT: • 0A • GMT
<ul> <li><i>DESCRIPTION:</i></li> <li>Displays the peak current of the last successful s</li> <li><i>RANGE:</i></li> <li>Peak Current: 0A – 10,000A</li> <li>Peak Current Time: hh:mm:ss</li> </ul>	<ul> <li>Stop -1.</li> <li><u>MODBUS DECIMAL VALUE:</u></li> <li>linear scale (1 = 1mA) Current (A) = (Value / 1000)</li> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0) <u>MODBUS FORMA</u></li> </ul>	Read Only <u>DEFAULT:</u> • 0A • GMT
<ul> <li>P19.1 - LAST PEAK STOP CORRENT -1 <u>DESCRIPTION:</u> Displays the peak current of the last successful s <u>RANGE:</u></li> <li>Peak Current: 0A - 10,000A</li> <li>Peak Current Time: hh:mm:ss</li> </ul> <u>MODBUS ADDRESS:</u> <ul> <li>Peak Current: 39042/39043 (9882/9883 hex)</li> </ul>	<ul> <li>Stop -1.</li> <li><u>MODBUS DECIMAL VALUE:</u> <ul> <li>linear scale (1 = 1mA)</li> <li>Current (A) = (Value / 1000)</li> </ul> </li> <li>Time (ms) since midnight <ul> <li>(bytes5,4,3,2) and Days since</li> <li>01/01/1984 (bytes1,0)</li> </ul> </li> <li><u>MODBUS FORMA</u> <ul> <li>32-bit unsi</li> </ul> </li> </ul>	IVPE.         Read Only         DEFAULT:         • 0A         • GMT         MT:         gned
<ul> <li>P19.1 - LAST PEAK STOP CORRENT -1 <u>DESCRIPTION:</u> Displays the peak current of the last successful s <u>RANGE:</u></li> <li>Peak Current: 0A - 10,000A</li> <li>Peak Current Time: hh:mm:ss</li> <li><u>MODBUS ADDRESS:</u></li> <li>Peak Current: 39042/39043 (9882/9883 hex)</li> <li>Peak Current Time: 39107/39108/39109 (98C3)</li> </ul>	<ul> <li>Stop -1.</li> <li><u>MODBUS DECIMAL VALUE:</u> <ul> <li>linear scale (1 = 1mA)</li> <li>Current (A) = (Value / 1000)</li> </ul> </li> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0) <ul> <li><u>MODBUS FORMA</u></li> <li>32-bit unsiges</li> </ul> </li> <li>8/98C4/98C5 hex ) 6 Bytes</li> </ul>	Read Only <u>DEFAULT:</u> • 0A • GMT <u>NT:</u> gned
<ul> <li>P19.1 – LAST PEAK STOP CORRENT -1 <u>DESCRIPTION:</u> Displays the peak current of the last successful s <u>RANGE:</u> • Peak Current: 0A – 10,000A • Peak Current Time: hh:mm:ss <u>MODBUS ADDRESS:</u> • Peak Current: 39042/39043 (9882/9883 hex) • Peak Current Time: 39107/39108/39109 (98C3) <u>TOUCHSCREEN MENU PATH</u>:</li> </ul>	<ul> <li>Stop -1.</li> <li><u>MODBUS DECIMAL VALUE:</u> <ul> <li>linear scale (1 = 1mA)</li> <li>Current (A) = (Value / 1000)</li> </ul> </li> <li>Time (ms) since midnight <ul> <li>(bytes5,4,3,2) and Days since</li> <li>01/01/1984 (bytes1,0)</li> </ul> </li> <li><u>MODBUS FORMA</u> <ul> <li>32-bit unsignal</li> </ul> </li> <li>B/98C4/98C5 hex ) 6 Bytes</li> </ul>	TYPE: Read Only <u>DEFAULT:</u> • 0A • GMT <u>NT:</u> gned

Each SR55 is tested at the factory, and each testing.	unit may have a brief log history f	rom this
P19.2 – LAST PEAK STOP CURRENT -2		TYPE:
DESCRIPTION:		Read Or
Displays the peak current of the last success	ful stop -2.	
RANGE:	MODBUS DECIMAL VALUE:	DEFAUIT:
• Peak Current: 04 - 10 0004	• linear scale $(1 = 1mA)$	• 04
	Current (A) = (Value / 1000)	- 0/(
Peak Current Time: hh:mm:ss	• Time (ms) since midnight	• GMT
	(bytes5 4 3 2) and Days since	
	(1/01/1984 (bytes1 0))	-
MODBUS ADDRESS	MODBUS FORM	ΔΤ·
<ul> <li>Peak Current: 39044/39045 ( 9884/9885 be</li> </ul>	• 32-bit uns	igned
<ul> <li>Peak Current Time: 39110/39111/39112 (</li> </ul>	32-51000000000000000000000000000000000000	igneu
Home $\rightarrow \log \rightarrow \text{Stop Current } \log \rightarrow 1 \text{ ast Peak}$	Ston Current -2	
	Stop current -2	
Р19.3 – LAST PEAK STOP CURRENT -3		<u>TYPE:</u>
DESCRIPTION:		Read Or
Displays the peak current of the last success	ful stop -3.	
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
<ul> <li>Peak Current: 0A – 10,000A</li> </ul>	<ul> <li>linear scale (1 = 1mA)</li> </ul>	• 0A
	Current (A) = (Value / 1000)	
<ul> <li>Peak Current Time: hh:mm:ss</li> </ul>	<ul> <li>Time (ms) since midnight</li> </ul>	• GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
<u>MODBUS ADDRESS:</u>	<u>Modbus Form</u>	<u>AT:</u>
<ul> <li>Peak Current: 39046/39047 ( 9886/9887 he</li> </ul>	ex) • 32-bit uns	igned
<ul> <li>Peak Current Time: 39113/39114/39115 ( 9</li> </ul>	98C9/98CA/98CB hex ) • 6 Bytes	
<u>Touchscreen Menu Path</u> :		
Home → Log → Stop Current Log → Last Peak	Stop Current -3	
P19.4 – LAST PEAK STOP CURRENT -4		TYPE:
DESCRIPTION:		Read Or
Displays the peak current of the last success	ful stop -4.	
RANGE:	, Modbus Decimal Value:	DEFAULT:
• Peak Current: 0A – 10.000A	<ul> <li>linear scale (1 = 1mA)</li> </ul>	• 0A
	Current (A) = (Value $/$ 1000)	
<ul> <li>Peak Current Time: hh:mm:ss</li> </ul>	• Time (ms) since midnight	• GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
MODBUS ADDRESS:	MODBUS FORM	AT:
<ul> <li>Peak Current: 39048/39049 ( 9888/9889 he</li> </ul>	ex) • 32-bit uns	igned
• Peak Current Time: 39116/39117/39118 (	98CC/98CD/98CE hex ) • 6 Bytes	0
TOUCHSCREEN MENU PATH		
<u></u>		

Each SR55 is tested at the factory, and each ι testing.	init may have a brief log history f	rom this
P19.5 – LAST STOP CURRENT -5		TYPE:
DESCRIPTION:		Read Or
Displays the peak current of the last success	ful stop -5.	
Range:	Modbus Decimal Value:	DEFAULT:
<ul> <li>Peak Current: 0A – 10 000A</li> </ul>	<ul> <li>linear scale (1 = 1mA)</li> </ul>	• 0A
	Current (A) = (Value / 1000)	0/1
<ul> <li>Peak Current Time: hh:mm:ss</li> </ul>	Time (ms) since midnight	• GMT
	(bytes5.4.3.2) and Days since	
	01/01/1984 (bytes1.0)	
Modbus Address:	Modbus Form	1AT:
<ul> <li>Peak Current: 39050/39051 ( 988A/988B he</li> </ul>	• 32-bit uns	signed
<ul> <li>Peak Current Time: 39119/39120/39121 (9)</li> </ul>	08CF/98D0/98D1 hex ) • 6 Bytes	-Buen
Τους το Τους Τους Τους Τους Τους Τους Τους Του		
Home $\rightarrow$ Log $\rightarrow$ Stop Current Log $\rightarrow$ Last Peak	Stop Current -5	
		TYPE
P19.0 - LASI PEAK SIUP CURRENT -0		<u>TYPE:</u>
DESCRIPTION:	ful stars C	Read O
Displays the peak current of the last success	rui stop -6.	0
<u>KANGE:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULI:</u>
• Peak Current: 0A – 10,000A	• linear scale $(1 = 1mA)$	• 0A
Deals Commentations, July 2000	Current (A) = (Value / 1000)	CMT
Peak Current Time: nn:mm:ss	• Time (ms) since midnight	• GMT
	(Dytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
MODBUS ADDRESS:	MODBUS FORM	<u>1AT:</u>
• Peak Current: 39052/39053 ( 988C/988D he	• 32-bit uns	signed
• Peak Current Time: 39122/39123/39124 ( 9	98D2/98D3/98D4 hex ) • 6 Bytes	
TOUCHSCREEN MENU PATH:		
Home $\rightarrow$ Log $\rightarrow$ Stop Current Log $\rightarrow$ Last Peak	Stop Current -6	
Р19.7 <b>– Last Реак Stop Current -7</b>		<u> </u>
DESCRIPTION:		Read O
Displays the peak current of the last success	ful stop -7.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
<ul> <li>Peak Current: 0A – 10,000A</li> </ul>	<ul> <li>linear scale (1 = 1mA)</li> </ul>	• 0A
	Current (A) = (Value / 1000)	
<ul> <li>Peak Current Time: hh:mm:ss</li> </ul>	<ul> <li>Time (ms) since midnight</li> </ul>	• GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
MODBUS ADDRESS:	<u>Modbus Form</u>	<u>1AT:</u>
<ul> <li>Peak Current: 39054/39055 ( 988E/988F he</li> </ul>	• 32-bit uns	signed
• Peak Current Time: 39125/39126/39127 ( 9	98D5/98D6/98D7 hex ) • 6 Bytes	
<u>Touchscreen Menu Path:</u>		
Home Aleg A Stop Current Log A Last Deak	Stop Current -7	

PARAMETER DETAILS -	"LOG" MENU OF PARAMETERS (	CONTINUED)
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Each SR55 is tested at the factory, and each testing.	unit may have a brief log history f	rom this
P19.8 – LAST PEAK STOP CURRENT -8		<u>Түре:</u>
Description:		Read Only
Displays the peak current of the last succes	sful stop -8.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
• Peak Current: 0A – 10,000A	<ul> <li>linear scale (1 = 1mA)</li> <li>Current (A) = (Value / 1000)</li> </ul>	• 0A
• Peak Current Time: hh:mm:ss	<ul> <li>Time (ms) since midnight (bytes5,4,3,2) and Days since 01/01/1984 (bytes1,0)</li> </ul>	• GMT
MODBUS ADDRESS:	Modbus Form	<u>IAT:</u>
• Peak Current: 39056/39057 ( 9890/9891 h	nex) • 32-bit uns	igned
• Peak Current Time: 39128/39129/39130 (	98D8/98D9/98DA hex ) • 6 Bytes	
<u>TOUCHSCREEN MENU PATH:</u>		
Home → Log → Stop Current Log → Last Pea	k Stop Current -8	
P19.9 – LAST PEAK STOP CURRENT -9		<u>Түре:</u>
Description:		Read Only
Displays the peak current of the last succes	sful stop -9.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
<ul> <li>Peak Current: 0A – 10,000A</li> </ul>	<ul> <li>linear scale (1 = 1mA)</li> </ul>	• 0A
	Current (A) = (Value / 1000)	
<ul> <li>Peak Current Time: hh:mm:ss</li> </ul>	<ul> <li>Time (ms) since midnight</li> </ul>	• GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
<u>MODBUS ADDRESS:</u>	Modbus For	MAT:
<ul> <li>Peak Current: 39058/39059 ( 9892/9893 h</li> </ul>	nex) • 32-bit un	signed
<ul> <li>Peak Current Time: 39131/39132/39133 (</li> </ul>	98DB/98DC/98DD hex ) • 6 Bytes	
<u>Touchscreen Menu Path</u> :		
Home → Log → Stop Current Log → Last Pea	k Stop Current -9	

### LOG "TEMPERATURE LOG" PARAMETERS

P20.0 – LAST TEMPERATURE		<u>TYPE:</u>
Description:		Read Only
Displays the heatsink temperature at the end	of the last successful start.	
<u>Range:</u>	Modbus Decimal Value:	<u>Default:</u>
-20°C to 80°C	bit12=0 [HighByte*16	ambient °C
	+ LowByte/16]bit12=1	
	256-[HighByte*16 + LowByte/16]	
MODBUS ADDRESS:	<u>Modbus Format:</u>	
39680 ( 9B00 hex )	16-bit (Highbyte=b11-b8,	
	LowByte=b7-b0)	
	< 0 b12=1	
<u>Touchscreen Menu Path</u> :		
Home → Log → Temperature Log → Last Tempe	erature	

Each SR55 is tested at the factory, and ec esting.	ach unit may have a brief log history fro	om this
P20.1 – LAST TEMPERATURE -1		TYPE:
DESCRIPTION:		Read Only
Displays the heatsink temperature at the	e end of the last successful start -1.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
-20°C to 80°C	bit12=0 [HighByte*16	ambient °
	+ LowByte/16]bit12=1	
	256-[HighByte*16 + LowByte/16]	
Modbus Address:	Modbus Format:	
39681 ( 9B01 hex )	16-bit (Highbyte=b11-b8,	
	LowByte=b7-b0)	
	< 0 b12=1	
<u>Touchscreen Menu Path</u> :		
Home → Log → Temperature Log → Last T	Temperature -1	
20.2 – LAST TEMPERATURE -2		<u>Type:</u>
DESCRIPTION:		Read Only
Displays the heatsink temperature at the	e end of the last successful start -2.	
RANGE:	Modbus Decimal Value:	<u>DEFAULT:</u>
-20°C to 80°C	bit12=0 [HighByte*16	ambient °
	+ LowByte/16]bit12=1	
	256-[HighByte*16 + LowByte/16]	
Modbus Address:	<u>Modbus Format:</u>	
39682 ( 9B02 hex )	16-bit (Highbyte=b11-b8,	
	LowByte=b7-b0)	
	< 0 b12=1	
<u>TOUCHSCREEN MENU PATH:</u>		
Home → Log → Temperature Log → Last T	Temperature -2	
P20.3 <b>– LAST TEMPERATURE -3</b>		<u>Type:</u>
DESCRIPTION:		Read Only
Displays the heatsink temperature at the	e end of the last successful start -3.	
<u>Range:</u>	Modbus Decimal Value:	DEFAULT:
-20°C to 80°C	bit12=0 [HighByte*16	ambient °
	+ LowByte/16]bit12=1	
	256-[HighByte*16 + LowByte/16]	
Modbus Address:	Modbus Format:	
39683 ( 9B03 hex )	16-bit (Highbyte=b11-b8,	
	LowByte=b7-b0)	
	< 0 b12=1	
<u>Touchscreen Menu Path</u> :		

Each SR55 is tested at the factory, and esting.	each unit may have a brief log history fro	om this
P20.4 – LAST TEMPERATURE -4		<u>Type:</u>
DESCRIPTION:		Read Only
Displays the heatsink temperature at t	the end of the last successful start -4.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
-20°C to 80°C	bit12=0 [HighByte*16	ambient °
	+ LowByte/16]bit12=1	
	256-[HighByte*16 + LowByte/16]	
MODBUS ADDRESS:	Modbus Format:	
39684 ( 9B04 hex )	16-bit (Highbyte=b11-b8,	
	LowByte=b7-b0)	
	< 0 b12=1	
<u>Touchscreen Menu Path:</u>		
Home $\rightarrow$ Log $\rightarrow$ Temperature Log $\rightarrow$ Last	t Temperature -4	
20.5 <b>– LAST TEMPERATURE -5</b>		<u>TYPE:</u>
Description:		Read Only
Displays the heatsink temperature at t	the end of the last successful start -5.	
RANGE:	Modbus Decimal Value:	<u>DEFAULT:</u>
-20°C to 80°C	bit12=0 [HighByte*16	ambient °
	+ LowByte/16]bit12=1	
	256-[HighByte*16 + LowByte/16]	
MODBUS ADDRESS:	Modbus Format:	
39685 ( 9B05 hex )	16-bit (Highbyte=b11-b8,	
	LowByte=b7-b0)	
	< 0 b12=1	
TOUCHSCREEN MENU PATH:		
Home $\rightarrow$ Log $\rightarrow$ Temperature Log $\rightarrow$ Last	t Temperature -5	
20.6 – LAST TEMPERATURE -6		<u>Type:</u>
Description:		Read Only
Displays the heatsink temperature at t	the end of the last successful start -6.	
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
-20°C to 80°C	bit12=0 [HighByte*16	ambient °
	+ LowByte/16]bit12=1	
	256-[HighByte*16 + LowByte/16]	
MODBUS ADDRESS:	Modbus Format:	
39686 ( 9B06 hex )	16-bit (Highbyte=b11-b8,	
	LowByte=b7-b0)	
	< 0 b12=1	
<u>TOUCHSCREEN MENU PATH:</u>		
Home - Log - Temperature Log - Last	t Temperature -6	

Each SR55 is tested at the factory, and entertaints and entertaints.	ach unit may have a brief log history fr	om this
P20.7 <b>– Last Temperature -7</b>		<u>Type:</u>
Description:		Read Only
Displays the heatsink temperature at th	e end of the last successful start -7.	
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
-20°C to 80°C	bit12=0 [HighByte*16	ambient °
	+ LowByte/16]bit12=1	
	256-[HighByte*16 + LowByte/16]	
Modbus Address:	<u>Modbus Format:</u>	
39687 ( 9B07 hex )	16-bit (Highbyte=b11-b8,	
	LowByte=b7-b0)	
	< 0 b12=1	
<u>Touchscreen Menu Path:</u>		
Home → Log → Temperature Log → Last	Temperature -7	
20.8 – LAST TEMPERATURE -8		<u>Type:</u>
DESCRIPTION:		Read Only
Displays the heatsink temperature at th	ne end of the last successful start -8.	
RANGE:	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
-20°C to 80°C	bit12=0 [HighByte*16	ambient <sup>c</sup>
	+ LowByte/16]bit12=1	
	256-[HighByte*16 + LowByte/16]	
Modbus Address:	<u>Modbus Format:</u>	
39688 ( 9B08 hex )	16-bit (Highbyte=b11-b8,	
	LowByte=b7-b0)	
	<0 b12=1	
<u>Touchscreen Menu Path:</u>		
Home → Log → Temperature Log → Last	Temperature -8	
20.9 <b>– LAST TEMPERATURE -9</b>		<u>Type:</u>
Description:		Read Only
Displays the heatsink temperature at th	e end of the last successful start -9.	
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
-20°C to 80°C	bit12=0 [HighByte*16	ambient °
	+ LowByte/16]bit12=1	
	256-[HighByte*16 + LowByte/16]	
Modbus Address:	<u>Modbus Format:</u>	
39689 ( 9B09 hex )	16-bit (Highbyte=b11-b8,	
	LowByte=b7-b0)	
	< 0 b12=1	
<u>TOUCHSCREEN MENU PATH</u> :		
Home $\rightarrow 1$ og $\rightarrow$ Temperature 1 og $\rightarrow 1$ ast	Temperature -9	

Each SR55 is tested at the factory, and each unit may have a brief log history from this testing.

### LOG "OVERLOAD LOG" PARAMETERS

P21.0 – LAST OVERLOAD		<u>ΤΥΡΕ:</u>
DESCRIPTION:		Read Only
Displays the overload level at the end	of the last successful start.	2
RANGE:	Modbus Decimal Value:	DEFAULT:
0% to 100%	linear scale ( 1 = 0.006104 % )	0%
MODBUS ADDRESS:	MODBUS FORMAT:	
40320 ( 9D80 hex )	16-bit unsigned	
TOUCHSCREEN MENU PATH:		
Home $\rightarrow$ Log $\rightarrow$ Overload Log $\rightarrow$ Last Over	erload	
P21.1 – LAST OVERLOAD -1		<u>Type:</u>
DESCRIPTION:		Read Only
Displays the overload level at the end	of the last successful start -1.	
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
0% to 100%	linear scale ( 1 = 0.006104 % )	0%
MODBUS ADDRESS:	MODBUS FORMAT:	
40321 ( 9D81 hex )	16-bit unsigned	
TOUCHSCREEN MENU PATH:	6	
Home $\rightarrow$ Log $\rightarrow$ Overload Log $\rightarrow$ Last Overload Log $\rightarrow$ Dverload Log $\rightarrow$ Last Overload Log $\rightarrow$ Last Overload	erload -1	
P21.2 – LAST OVERLOAD -2		<u>Түре:</u>
DESCRIPTION:		Read Only
Displays the overload level at the end	of the last successful start -2.	
RANGE:	Modbus Decimal Value:	<u>DEFAULT:</u>
0% to 100%	linear scale (1 = 0.006104 %)	0%
MODBUS ADDRESS:	MODBUS FORMAT:	
40322 ( 9D82 hex )	16-bit unsigned	
TOUCHSCREEN MENU PATH:	5	
Home $\rightarrow$ Log $\rightarrow$ Overload Log $\rightarrow$ Last Overload Log $\rightarrow$ Dverload Log $\rightarrow$ Last Overload Log $\rightarrow$ Last Overload	erload -2	
P21.3 – LAST OVERLOAD -3		Түре:
Description:		Read Only
Displays the overload level at the end	of the last successful start -3.	
RANGE:	MODBUS DECIMAL VALUE:	DEFAULT:
0% to 100%	linear scale $(1 = 0.006104\%)$	0%
MODBUS ADDRESS:	MODBUS FORMAT:	• • •
40323 (9D83 bex)	16-bit unsigned	
TOUCHSCREEN MENU PATH	10 bit unsigned	
Home $\rightarrow$ Log $\rightarrow$ Overload Log $\rightarrow$ Last Overload Log $\rightarrow$ Log	erload -3	
P21.4 – LAST OVERLOAD -4		Түре:
DESCRIPTION:		Read Only
Displays the overload level at the end	of the last successful start -4.	
RANGE:	Μορβυς Decimal Value	DFFAUIT
0% to 100%	linear scale $(1 = 0.006104.\%)$	0%
MODBUS ADDRESS	MODBUS FORMAT	0,0
40324 (9D84 hex)	16-bit unsigned	
	To bit unsigned	
Home $\rightarrow \log \rightarrow Overload \log \rightarrow last Overload log $	erload -4	

Each SR55 is tested at the factory testing.	y, and each unit may have a brief log history j	from this
P21.5 <b>– Last overload -5</b>		<u>Түре:</u>
DESCRIPTION:		Read Onl
Displays the overload level at th	ne end of the last successful start -5.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
0% to 100%	linear scale ( 1 = 0.006104 % )	0%
<u>Modbus Address:</u>	<u>Modbus Format:</u>	
40325 ( 9D85 hex )	16-bit unsigned	
Touchscreen Menu Path:		
Home $\rightarrow$ Log $\rightarrow$ Overload Log $\rightarrow$ L	ast Overload -5	
P21.6 – LAST OVERLOAD -6		<u>TYPE:</u>
DESCRIPTION:	a and of the loot average ful start. C	Read On
Displays the overload level at tr	ie end of the last successful start -6.	DEEAUUT
<u>MANGE:</u>	$\frac{WODBUS DECIMAL VALUE:}{1 = 0.006104.0(.)}$	<u>DEFAULT:</u>
	(Inear scale(1-0.006104%))	0%
40326 ( 9D86 box )	<u>IVIOUBUS FURIMAL:</u> 16-bit unsigned	
TOUCHSCREEN MENU PATH	TO-DIT UISIGNED	
Home $\rightarrow$ Log $\rightarrow$ Overload Log $\rightarrow$ L	ast Overload -6	
		ΤΥΡΕ:
DESCRIPTION:		Read On
Displays the overload level at th	ne end of the last successful start -7.	
RANGE:	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
0% to 100%	linear scale (1 = 0.006104 %)	0%
<u>Modbus Address:</u>	MODBUS FORMAT:	
40327 ( 9D87 hex )	16-bit unsigned	
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Log $\rightarrow$ Overload Log $\rightarrow$ L	ast Overload -7	
P21.8 <b>– Last overload -8</b>		<u>Түре:</u>
<u>DESCRIPTION:</u>		Read Onl
Displays the overload level at th	ne end of the last successful start -8.	
<u>RANGE:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
0% to 100%	linear scale ( $1 = 0.006104\%$ )	0%
MODBUS ADDRESS:	MODBUS FORMAT:	
40328 (9D88 nex)	16-bit unsigned	
<u>Home <math>\rightarrow l \text{ og } \rightarrow \text{Overload } l \text{ og } \rightarrow l</math></u>	ast Overload -8	
221 9 - LAST OVERIOAD -9		TVDE
DESCRIPTION:		Read Onl
Displays the overload level at th	ne end of the last successful start -9.	
RANGE:	MODBUS DECIMAL VALUE:	DEFAULT:
 0% to 100%	linear scale (1 = 0.006104 %)	0%
Modbus Address:	MODBUS FORMAT:	
40329 ( 9D89 hex )	16-bit unsigned	
TOUCHSCREEN MENU PATH:	-	
Home $\rightarrow$ Log $\rightarrow$ Overload Log $\rightarrow$ L	ast Overload -9	

Each SR55 is tested at the factory, and each unit may have a brief log history from this testing.

### LOG "TOTALS LOG" PARAMETER

P22.0 – NUMBER OF STARTS		<u> </u>
Description:		Read Only
The total number of successful starts.		
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
0 to 4,294,836,225	linear scale ( 1 = 1 )	0
<u>MODBUS ADDRESS:</u>	<u>Modbus Format:</u>	
35840/3841 ( 8C00/8C01 hex )	32-bit unsigned	
<u>Touchscreen Menu Path:</u>		
Home $\rightarrow$ Log $\rightarrow$ Totals Log $\rightarrow$ Number of Starts		

### LOG "DOWNLOAD LOG FILE" PARAMETER

P23.0 – DOWNLOAD LOG FILE		<u>TYPE:</u>
Description:		Read/Write
Download the full log file onto the	USB flash drive.	
<ul> <li>The SR55 logs several parameter</li> </ul>	s during normal and fault conditions.	
<ul> <li>Data is stored in CSV format.</li> </ul>		
<ul> <li>Log file cannot be downloaded u touchscreen only.</li> </ul>	sing the remote touchscreen. Please use	the on-board
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
n/a	n/a	n/a
<u>MODBUS ADDRESS:</u>	Modbus Format:	
n/a	n/a	
<u>TOUCHSCREEN MENU PATH</u> :		
Home $\rightarrow$ Log $\rightarrow$ Download Log File		

#### LOG "CLEAR TRIP LOG" PARAMETER

P24.0 – Clear Trip Log		<u>TYPE:</u>
Description:		Read/Write
Deletes all of the history in the Trip Log.		
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
Yes / No	n/a	n/a
Modbus Address:	<u>Modbus Format:</u>	
n/a	n/a	
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Log $\rightarrow$ Clear Trip Log		

#### PARAMETER DETAILS (CONTINUED)

### "DEVICE" MENU OF PARAMETERS

P25.0 – <b>Update Firmware</b>		<u>TYPE:</u>
DESCRIPTION:		Read/Write
Used to upgrade to the latest version of firmv	vare using a USB flash drive.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
n/a	n/a	n/a
Modbus Address:	MODBUS FORMAT:	
n/a	n/a	
<u>Touchscreen Menu Path</u> :		
Home → Device → Update Firmware		
P25.1 – <b>DATE</b>		<u>ТҮРЕ:</u>
Description:		Read/Write
Enter current date.		
<ul> <li>Date format can be set to either dd/mm/yy</li> </ul>	yy or mm/dd/yyyy; refer to "Date forn	nat" parameter.
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
• dd/mm/yyyy	n/a	n/a
• mm/dd/yyyy		
<u>Modbus Address:</u>	<u>Modbus Format:</u>	
See "Time" parameter for date address.	n/a	
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Device $\rightarrow$ Date		
Р25.2 – Тіме		<u>ТҮРЕ:</u>
DESCRIPTION:		Read/Write
Allows the time to be changed to 'local' time.		
<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
hh:mm:ss	Time(ms) since midnight	GMT
	(bytes5,4,3,2) and Days since	
	01/01/1984 (bytes1,0)	
MODBUS ADDRESS:	<u>Modbus Format:</u>	
14720 ( 3980 hex )	6 Bytes	
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Device $\rightarrow$ Time		

#### TIME DERIVATION EXAMPLE

Time is derived from the number of milliseconds since midnight.

Date can be derived from the number of days since midnight 1st Jan 1984.

If Modbus addresses 14720 thru 14724 (6 bytes) and the time is 09:50 and the date is 9th March 2015, then the SR55 will return: 021C49782C7E.

Where: 021C4978 = # milliseconds since midnight, and 2C7E = # days since 01/01/84.

Since there are 60 seconds in a minute, 3600 seconds in an hour, and 86400 seconds in a day, the time can be derived as follows:

- 021C4978h = 35407992d (ms) = 35407 (s)
- Hour = 35407 mod 86400/3600 = 09
- Min = 35407 mod 3600/60 = 50
- Sec = 35407 mod 60 = 07

So the time is 09:50:07.

For the date the SR55 will only return the number of days since 01/01/84. So: 2C7Eh = 11390d.

P25.3 <b>– LANGUAGE</b>		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
Selects the display language for the touchs	creen.	
Enter the required language from the displa	ived list.	
RANGE:	MODBUS DECIMAL VALUE:	DEFAULT (DECIMAL):
• ENG	• 1	• English (1)
• DEU	• 2	0 ()
• FRA	• 3	
• ITA	• 4	
• CHN	• 5	
• TUR	• 6	
• POR	• 7	
• .IPN	• 8	
• SRB	• 9	
• RUS	• 10	
• VIE	• 11	
• KOP	. 12	
MODBUS ADDRESS:	INIODBUS FORMAT:	
13376 ( 3440 hex )	16-bit unsigned	
<u>Touchscreen Menu Path</u> :		
Home $\rightarrow$ Device $\rightarrow$ Language		
P25.4 – <b>PASSCODE</b>		<u>Type:</u>
DESCRIPTION:		Read/Write
Stops unauthorized access to read/write pa	rameters.	
The "Screen lock" must be turned on for	the passcode be active.	
• With passcode protection on, the SR55 ca	n still be started and stopped. Th	e Log and Monitor
screens can also still be accessed.	······································	
RANGE:	Modbus Decimai Value:	DEFAUIT:
0 - 9 per Byte (ASCII character)	48-57(48="0" 57="9")	n/a
	MODBUS FORMAT	ny a
(12964/2240  hoy) = Puto 2(MSP)	. 16 bit unsigned	
• 12004 ( 3240 Hex ) - Byte 3 (MSB)	• 10-bit unsigned	
• 12865 (3241 nex ) – Byte 2	• 16-bit unsigned	
• 12866 (3242 hex) – Byte 1	• 16-bit unsigned	
• 12867 ( 3243 hex ) – Byte 0	<ul> <li>16-bit unsigned</li> </ul>	
<u>Touchscreen Menu Path</u> :		
Home → Device → Passcode		
WARNING: IF A PASSCODE IS SET IN THE SR55 AND L (800) 633-0405. THE PROCEDURE WILL REQUIRE THE	OST/FORGOTTEN, YOU MUST CONTACT TECHNICAL E UNIT BE FACTORY RESET BY AN AUTHORIZED REPRI	SUPPORT FOR ASSISTANCE ESENTATIVE.
P25 5 - BACKLICHT TIMEOUT		TYDE
P23.3 - BACKLIGHT TIMEOUT		<u>Dead</u> /Write
<u>DESCRIPTION.</u>		Reau/ White
Time for backlight on display.		
• After the period set, the back light on the	screen will turn off.	
• To reactivate, touch screen anywhere.		
• To disable, set to 0.		
<u>KANGE:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
0s – 3600s	linear scale (1=1s)	60s
MODBUS ADDRESS:	<u>Modbus Format:</u>	
14208 ( 3780 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home → Device → Backlight Timeout		

-20.0 - ADDRESS		<u>ТҮРЕ:</u>
DESCRIPTION:		Read/Write
Sets the Modbus station number.		
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
1 – 32	linear scale ( 1 = 1 )	1
MODBUS ADDRESS:	<u>MODBUS FORMAT:</u>	
16000 ( 3E80 hex )	16-bit unsigned	
TOUCHSCREEN MENU PATH:		
Home → Device → Networks → Mod	dbus Network Settings → Address	
26.1 <b>– BAUD RATE</b>		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
Sets the serial communications b	aud rate.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL)</u>
• 9600	• 0	
• 19200	• 1	• 19200 (1)
• 38400	• 2	
• 57600	• 3	
• 115200	• 4	
Modbus Address:	<u>MODBUS FORMAT:</u>	
16064 ( 3EC0 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH</u> :		
Home $\rightarrow$ Device $\rightarrow$ Networks $\rightarrow$ Mod	dbus Network Settings → Baud Rate	
26.2 <b>– Parity</b>		HOLD. REG. TYPE:
DESCRIPTION:		Read/Write
Sets the serial communications p	arity bit. Also sets the stop bits.	
• No parity uses 2 stop bits.	,	
<ul> <li>Odd/even parity uses 1 stop bit</li> </ul>		
	•	
RANGE:	<u>MODBUS DECIMAL VALUE:</u>	<u>Default (decimal)</u>
<ul> <li>Range:</li> <li>None</li> </ul>	<u>MODBUS DECIMAL VALUE:</u> • 0	<u>DEFAULT (DECIMAL)</u>
<ul> <li>RANGE:</li> <li>None</li> <li>Even</li> </ul>	<u>MODBUS DECIMAL VALUE:</u> • 0 • 1	<i>DEFAULT (DECIMAL)</i> • Even (1)
<ul> <li>RANGE:</li> <li>None</li> <li>Even</li> <li>Odd</li> </ul>	<u>MODBUS DECIMAL VALUE:</u> • 0 • 1 • 2	<i>DEFAULT (DECIMAL)</i> • Even (1)
<ul> <li>RANGE:</li> <li>None</li> <li>Even</li> <li>Odd</li> <li>MODBUS ADDRESS:</li> </ul>	• 0 • 1 • 2 <u>MODBUS FORMAT:</u>	<i>Default (Decimal)</i> • Even (1)
<ul> <li>RANGE:</li> <li>None</li> <li>Even</li> <li>Odd</li> <li>MODBUS ADDRESS:</li> <li>16128 (3F00 hex)</li> </ul>	• 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned	<i>DEFAULT (DECIMAL)</i> • Even (1)
<ul> <li>RANGE:</li> <li>None</li> <li>Even</li> <li>Odd</li> <li>MODBUS ADDRESS:</li> <li>16128 (3F00 hex )</li> <li>TOUCHSCREEN MENU PATH:</li> </ul>	• 0 • 1 • 2 <u>Modbus Format:</u> 16-bit unsigned	<i>DEFAULT (DECIMAL)</i> • Even (1)
<ul> <li>RANGE:</li> <li>None</li> <li>Even</li> <li>Odd</li> <li>MODBUS ADDRESS:</li> <li>16128 (3F00 hex)</li> <li>TOUCHSCREEN MENU PATH:</li> <li>Home → Device → Networks → Mode</li> </ul>	• 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned dbus Network Settings → Parity	<i>DEFAULT (DECIMAL)</i> • Even (1)
<ul> <li>RANGE:         <ul> <li>None</li> <li>Even</li> <li>Odd</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>16128 (3F00 hex)</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>: Home → Device → Networks → Mode</li> <li>26.3 - TRAFFIC LEDS</li> </ul>	• 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned dbus Network Settings → Parity	DEFAULT (DECIMAL) • Even (1) HOLD. REG. TYPE:
<ul> <li>RANGE:         <ul> <li>None</li> <li>Even</li> <li>Odd</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>16128 (3F00 hex)</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>:             <ul> <li>Home → Device → Networks → Mod</li> </ul> </li> <li>26.3 - TRAFFIC LEDS         <ul> <li>DESCRIPTION:</li> </ul> </li> </ul>	• 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned dbus Network Settings → Parity	DEFAULT (DECIMAL) • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write
<ul> <li>RANGE:         <ul> <li>None</li> <li>Even</li> <li>Odd</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>16128 (3F00 hex)</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>:             <ul> <li>Home → Device → Networks → Mod</li> </ul> </li> <li>P26.3 - TRAFFIC LEDS         <ul> <li><u>DESCRIPTION:</u> <ul> <li>Allows the user to check the state</li> </ul> </li> </ul></li></ul>	<u>MODBUS DECIMAL VALUE:</u> • 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned dbus Network Settings → Parity e of the modbus communication network.	DEFAULT (DECIMAL) • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write
<ul> <li>RANGE:</li> <li>None</li> <li>Even</li> <li>Odd</li> <li>MODBUS ADDRESS:</li> <li>16128 (3F00 hex)</li> <li>TOUCHSCREEN MENU PATH:</li> <li>Home → Device → Networks → Mod</li> <li>26.3 - TRAFFIC LEDS</li> <li>DESCRIPTION:</li> <li>Allows the user to check the state</li> <li>Red LED = Receive.</li> </ul>	MODBUS DECIMAL VALUE: • 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned dbus Network Settings → Parity e of the modbus communication network. en LED = Transmit.	DEFAULT (DECIMAL) • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write
RANGE:         • None         • Even         • Odd $\underline{MODBUS ADDRESS:}$ 16128 ( 3F00 hex ) $\underline{TOUCHSCREEN MENU PATH}$ :         Home $\Rightarrow$ Device $\Rightarrow$ Networks $\Rightarrow$ Mode $\underline{P26.3 - TRAFFIC LEDS}$ $\underline{Description:}$ Allows the user to check the state         • Red LED = Receive.       • Gre         RANGE:	MODBUS DECIMAL VALUE: • 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned dbus Network Settings → Parity e of the modbus communication network. en LED = Transmit. MODBUS DECIMAL VALUE:	DEFAULT (DECIMAL) • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write DEFAULT (DECIMAL)
<ul> <li>RANGE:</li> <li>None</li> <li>Even</li> <li>Odd</li> <li>MODBUS ADDRESS:</li> <li>16128 (3F00 hex )</li> <li>TOUCHSCREEN MENU PATH:</li> <li>Home → Device → Networks → Mod</li> <li>26.3 - TRAFFIC LEDS</li> <li>DESCRIPTION:</li> <li>Allows the user to check the state</li> <li>Red LED = Receive.</li> <li>Gree</li> <li>RANGE:</li> <li>Off : The Red and Green LEDs diagonal</li> </ul>	MODBUS DECIMAL VALUE: • 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned dbus Network Settings → Parity e of the modbus communication network. en LED = Transmit. <u>MODBUS DECIMAL VALUE:</u> isplay the SR55 status • 0	DEFAULT (DECIMAL) • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write <u>DEFAULT (DECIMAL)</u> • Off (0)
<ul> <li>RANGE:</li> <li>None</li> <li>Even</li> <li>Odd</li> <li>MODBUS ADDRESS:</li> <li>16128 (3F00 hex)</li> <li>TOUCHSCREEN MENU PATH:</li> <li>Home → Device → Networks → Mod</li> <li>P26.3 - TRAFFIC LEDS</li> <li>DESCRIPTION:</li> <li>Allows the user to check the state</li> <li>Red LED = Receive.</li> <li>Gre</li> <li>RANGE:</li> <li>Off : The Red and Green LEDs di information. Turning traffic</li> </ul>	MODBUS DECIMAL VALUE: • 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned dbus Network Settings → Parity e of the modbus communication network. en LED = Transmit. <u>MODBUS DECIMAL VALUE:</u> isplay the SR55 status • 0 c LEDs on will <i>not</i> allow normal	DEFAULT (DECIMAL) • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write <u>DEFAULT (DECIMAL)</u> • Off (0)
<ul> <li>RANGE:</li> <li>None</li> <li>Even</li> <li>Odd</li> <li><u>MODBUS ADDRESS:</u> 16128 (3F00 hex)</li> <li><u>TOUCHSCREEN MENU PATH</u>: Home → Device → Networks → Mod</li> <li>26.3 - TRAFFIC LEDS</li> <li><u>DESCRIPTION</u>: Allows the user to check the state</li> <li>Red LED = Receive.</li> <li>Gre <u>RANGE:</u></li> <li>Off : The Red and Green LEDs di information. Turning traffi operating LED states to ind</li> </ul>	MODBUS DECIMAL VALUE: • 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned dbus Network Settings → Parity e of the modbus communication network. en LED = Transmit. <u>MODBUS DECIMAL VALUE:</u> isplay the SR55 status • 0 c LEDs on will <i>not</i> allow normal licate.	DEFAULT (DECIMAL) • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write <u>DEFAULT (DECIMAL)</u> • Off (0)
RANGE:• None• Even• Odd $MODBUS ADDRESS:$ 16128 ( 3F00 hex ) $TOUCHSCREEN MENU PATH:$ Home $\rightarrow$ Device $\rightarrow$ Networks $\rightarrow$ Mode $P26.3 - TRAFFIC LEDS$ $DESCRIPTION:$ Allows the user to check the state• Red LED = Receive.• Gree $RANGE:$ • Off : The Red and Green LEDs dialinformation. Turning traffioperating LED states to indEx: Flashing red LED for a factor.	MODBUS DECIMAL VALUE: • 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned dbus Network Settings → Parity e of the modbus communication network. en LED = Transmit. <u>MODBUS DECIMAL VALUE:</u> isplay the SR55 status • 0 c LEDs on will <i>not</i> allow normal licate. ault present.	DEFAULT (DECIMAL) • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write <u>DEFAULT (DECIMAL)</u> • Off (0)
<ul> <li>RANGE:</li> <li>None</li> <li>Even</li> <li>Odd</li> <li>MODBUS ADDRESS:</li> <li>16128 (3F00 hex)</li> <li>TOUCHSCREEN MENU PATH: Home → Device → Networks → Mod</li> <li>26.3 - TRAFFIC LEDS</li> <li>DESCRIPTION: Allows the user to check the state</li> <li>Red LED = Receive.</li> <li>Gree</li> <li>RANGE:</li> <li>Off : The Red and Green LEDs dia information. Turning traffic operating LED states to ind Ex: Flashing red LED for a fate</li> <li>On : The Red and Green LEDS dia</li> </ul>	MODBUS DECIMAL VALUE: • 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned dbus Network Settings → Parity e of the modbus communication network. en LED = Transmit. <u>MODBUS DECIMAL VALUE:</u> isplay the SR55 status • 0 c LEDs on will <i>not</i> allow normal licate. ault present. isplay the traffic on the Modbus • 1	DEFAULT (DECIMAL) • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write <u>DEFAULT (DECIMAL)</u> • Off (0)
<ul> <li>RANGE: <ul> <li>None</li> <li>Even</li> <li>Odd</li> </ul> </li> <li>MODBUS ADDRESS: <ul> <li>16128 (3F00 hex)</li> </ul> </li> <li>TOUCHSCREEN MENU PATH: <ul> <li>Home → Device → Networks → Mod</li> </ul> </li> <li>726.3 - TRAFFIC LEDS </li> <li>726.3 - TRAFFIC LEDS </li> <li>DESCRIPTION: <ul> <li>Allows the user to check the state</li> <li>Red LED = Receive.</li> <li>Gre </li></ul> </li> <li>Red LED = Receive.</li> <li>Gre <ul> <li>RANGE:</li> <li>Off: The Red and Green LEDs di <ul> <li>information. Turning traffi</li> <li>operating LED states to ind</li> <li>Ex: Flashing red LED for a fate</li> <li>On: The Red and Green LEDS di <ul> <li>communications network.</li> </ul> </li> </ul></li></ul></li></ul>	$\frac{MODBUS DECIMAL VALUE:}{0}$ $0$ $1$ $2$ $\frac{MODBUS FORMAT:}{16-bit unsigned}$ $\frac{dbus Network Settings → Parity}{2}$ e of the modbus communication network. en LED = Transmit. $\frac{MODBUS DECIMAL VALUE:}{15}$ isplay the SR55 status 0 c LEDs on will <i>not</i> allow normal licate. ault present. isplay the traffic on the Modbus 1	DEFAULT (DECIMAL) • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write <u>DEFAULT (DECIMAL)</u> • Off (0)
<ul> <li>None         <ul> <li>Even</li> <li>Odd</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>16128 (3F00 hex)</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>:             <ul> <li>Home → Device → Networks → Mode</li> </ul> </li> <li>26.3 - TRAFFIC LEDS         <ul> <li><u>DESCRIPTION:</u></li> <li>Allows the user to check the state</li> <li>Red LED = Receive.</li> <li>Gree</li></ul></li></ul>	MODBUS DECIMAL VALUE: • 0 • 1 • 2 <u>MODBUS FORMAT:</u> 16-bit unsigned dbus Network Settings → Parity e of the modbus communication network. en LED = Transmit. <u>MODBUS DECIMAL VALUE:</u> isplay the SR55 status • 0 c LEDs on will <i>not</i> allow normal licate. ault present. isplay the traffic on the Modbus • 1 MODBUS Formation 1	<u>DEFAULT (DECIMAL)</u> • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write <u>DEFAULT (DECIMAL)</u> • Off (0) ORMAT:
<ul> <li>RANGE: <ul> <li>None</li> <li>Even</li> <li>Odd</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>16128 (3F00 hex)</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>: <ul> <li>Home → Device → Networks → Mode</li> </ul> </li> <li>P26.3 - TRAFFIC LEDS </li> <li><u>DESCRIPTION</u>: <ul> <li>Allows the user to check the state</li> <li>Red LED = Receive.</li> <li>Gree</li> </ul> </li> <li>RANGE: <ul> <li>Off: The Red and Green LEDs dialinformation. Turning traffic operating LED states to index: Flashing red LED for a failer.</li> <li>On: The Red and Green LEDS dialinformations network.</li> </ul> </li> <li>MODBUS ADDRESS: <ul> <li>14080 (3700 hex)</li> </ul> </li> </ul>	$\frac{MODBUS DECIMAL VALUE:}{0}$ $0$ $1$ $2$ $\frac{MODBUS FORMAT:}{16-bit unsigned}$ $\frac{dbus Network Settings → Parity}$ e of the modbus communication network. en LED = Transmit. $\frac{MODBUS DECIMAL VALUE:}{10}$ isplay the SR55 status 0 c LEDs on will <i>not</i> allow normal licate. ault present. isplay the traffic on the Modbus 1 $\frac{MODBUS FR}{16-bit un}$	<u>DEFAULT (DECIMAL)</u> • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write <u>DEFAULT (DECIMAL)</u> • Off (0) <u>ORMAT:</u> nsigned
<ul> <li>RANGE: <ul> <li>None</li> <li>Even</li> <li>Odd</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>16128 (3F00 hex)</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>: <ul> <li>Home → Device → Networks → Mod</li> </ul> </li> <li><u>726.3 - TRAFFIC LEDS</u> </li> <li><u>DESCRIPTION</u>: <ul> <li>Allows the user to check the state</li> <li>Red LED = Receive.</li> <li>Gree</li> </ul> </li> <li><u>RANGE:</u> <ul> <li>Off : The Red and Green LEDs di information. Turning traffi operating LED states to ind Ex: Flashing red LED for a fa.</li> <li>On : The Red and Green LEDS di communications network.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>14080 (3700 hex)</li> <li>TOUCHSCREEN MENU PATH:</li> </ul> </li> </ul>	$\frac{MODBUS DECIMAL VALUE:}{0}$ $0$ $1$ $2$ $\frac{MODBUS FORMAT:}{16-bit unsigned}$ $\frac{dbus Network Settings → Parity}$ e of the modbus communication network. en LED = Transmit. $\frac{MODBUS DECIMAL VALUE:}{10}$ isplay the SR55 status 0 c LEDs on will <i>not</i> allow normal licate. ault present. isplay the traffic on the Modbus 1 $\frac{MODBUS FORMAL}{16-bit un}$	<u>DEFAULT (DECIMAL)</u> • Even (1) <u>HOLD. REG. TYPE:</u> Read/Write <u>DEFAULT (DECIMAL)</u> • Off (0) <u>ORMAT:</u> nsigned

DESCRIPTION:       Read Only         Modbus TCP Communication Module.       Active only with Anybus / ModbusTCP / EtherNetIP Communication Module installed.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         • Address       -       -         • Serial Number       -       -         • Serial Number       -       -         • Connection       MODBUS FORMAT:       -         • Guckescreen Mexil PATH:       Home > Device > Networks > Anybus / Modbus TCP / EtherNet/IP       P26.5 - TIMEOUT MS         P26.5 - TIMEOUT MS       Impe:       Read/Write         Communications trip Timeout period. To prevent a 'Communications Trip' (If enabled), a parameter must be written to or read within this time period.       Read/Write         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0ms - 60,000ms       linear scale (1 = 1 ms)       5000ms         MODBUS ADDRESS:       MODBUS DECIMAL VALUE:       DEFAULT:         0ms - 60,000ms       linear scale (1 = 1 ms)       5000ms         MODBUS ADDRESS:       MODBUS DECIMAL VALUE:       DEFAULT:         0ms - 60,000ms       Inear scale (1 = 1 ms)       5000ms         MODBUS ADDRESS:       MODBUS DECIMAL VALUE:       DEFAULT:         15808 (3DC0 hex)       16-bit unsigned       TOUCHSCREEN MENU PATH:	P26.4 – ANYBUS / MODBUSTCP / ETHERNETIP		<u>TYPE:</u>
Modbus TCP Communication Module.         Active only with Anybus / ModbusTCP / EtherNetIP Communication Module installed.         RANGE:       DEFAUIT:         • Address       -         • Serial Number       -         • Firmware Version       -         • Connection       MODBUS FORMAT:         • TOUCHSCREEN MENU PATH:       -         Home → Device → Networks → Anybus / Modbus TCP / EtherNet/IP         P26.5 - TIMEOUT MS       IVPE:         Description:       Read/Write         Communications trip Timeout period. To prevent a 'Communications Trip' (If enabled), a parameter must be written to or read within this time period.         RANSE:       MODBUS FORMAT:         0ms - 60,000ms       linear scale (1 = 1 ms)         MOBUS ADDRESS:       MODBUS FORMAT:         15808 (3DC0 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Timeout mS         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. REG. TYPE:         Description:       MOBBUS DECIMAL VALUE:       DEFAULT:         Nome > Device → Networks → Timeout mS       HOLD. REG. TYPE:       Read/Write         This works in conjunction with the 'Communications Trip.'       Read/Write       Default (becimal)         • Off : If the 'Communication Trip' is turned 'On' the unit will trip • 0	DESCRIPTION:		Read Only
Active only with Anybus / ModbusTCP / EtherNetIP Communication Module installed.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         • Address       -       -         • Serial Number       -       -         • Firmware Version       •       -         • Connection       MODBUS FORMAT:       -         • Ouchscreen Menu Parth:       -       -         Home → Device → Networks → Anybus / Modbus TCP / EtherNet/IP       Pre:         P26.5 - TIMEOUT MS       Ivre:       Read/Write         Ommunications trip Timeout period. To prevent a 'Communications Trip' (If enabled), a parameter must be written to or read within this time period.       Read/Write         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         Oms - 60,000ms       linear scale (1 = 1 ms)       5000ms         MOBBUS ADDRESS:       MODBUS FORMAT:       15808 (3BC0 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Read/Write       This works in conjunction with the 'Communications Trip.'       Read/Write         P26.6 - COMMUNICATIONS SHUTDOWN       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL)         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. Reg. Type:       DEFAULT (DECIMAL)         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. Reg. Type:       DEFAULT (DECIMAL)         • O	Modbus TCP Communication Module.		
RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         • Address       -       -         • Serial Number       -       -         • Firmware Version       •       -         • Connection       MODBUS FORMAT:       -         • Guidest ADDRESS:       MODBUS FORMAT:       -         • TOUCHSCREEN MENU PATH:       -       -         Home → Device → Networks → Anybus / Modbus TCP / EtherNet/IP       P26.5 - TIMEOUT MS       TYPE:         PESCRIPTION:       Read/Write       Communications trip Timeout period. To prevent a 'Communications Trip' (If enabled), a parameter must be written to or read within this time period.       Read/Write         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         Oms - 60,000ms       linear scale (1 = 1 ms)       5000ms         MODBUS ADDRESS:       MODBUS FORMAT:       15808 (3DC0 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Timeout mS       Read/Write         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. Reg. Type:       DEFAULT (DECIMAL)         P26.6 - Communication Trip' is turned 'On' the unit will trip       0       if the communications Trip.'         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL)         • Off: If the 'Communication Trip' is turned 'On' the unit will shut	Active only with Anybus / ModbusTCP / Ethe	erNetIP Communication Module in	stalled.
<ul> <li>Address – – –</li> <li>Serial Number</li> <li>Firmware Version</li> <li>Connection</li> <li>MODBUS ADDRESS: MODBUS FORMAT:</li> <li>– –</li> <li>TOUCHSCREEN MENU PATH: Home → Device → Networks → Anybus / Modbus TCP / EtherNet/IP</li> <li>P26.5 – TIMEOUT MS <u>TYPE:</u> Oms – 60,000ms Iinear scale (1 = 1 ms) 5000ms</li> <li>MODBUS ADDRESS: MODBUS FORMAT: 15808 (3DC0 hex) 16-bit unsigned</li> <li>TOUCHSCREEN MENU PATH: Home → Device → Networks → Timeout mS</li> <li>P26.6 – COMMUNICATIONS SHUTDOWN HOLD. REG. TYPE: DESCRIPTION:</li> <li>Read/Write This works in conjunction with the 'Communications Trip.'</li> <li>RANGE: MODBUS DECIMAL VALUE: DEFAULT: 0 ms - 60,000 ms</li> <li>16-bit unsigned</li> <li>TOUCHSCREEN MENU PATH: Home → Device → Networks → Timeout mS</li> <li>P26.6 – COMMUNICATIONS SHUTDOWN HOLD. REG. TYPE: DESCRIPTION: Read/Write This works in conjunction with the 'Communications Trip.'</li> <li>RANGE: MODBUS DECIMAL VALUE: DEFAULT (DECIMAL)</li> <li>• Off : If the 'Communication Trip' is turned 'On' the unit will trip • 0 if the communication Trip' is turned 'On' the unit will shut • 1 • ON (1) down instead of tripping if the communications fail.</li> <li>• On : If the 'Communication Trip' is turned 'On' the unit will shut • 1 • ON (1) down instead of tripping if the communications fail.</li> <li>MODBUS ADDRESS: MODBUS FORMAT: 53802 (D22A hex) 16-bit unsigned</li> <li>TOUCHSCREEN MENU PATH: Home → Device → Networks → Communications Shutdown</li> </ul>	<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
<ul> <li>Serial Number</li> <li>Firmware Version</li> <li>Connection</li> <li><i>MODBUS ADDRESS:</i></li> <li><i>MODBUS FORMAT:</i></li> <li><i>TOUCHSCREEN MENU PATH:</i></li> <li>Home → Device → Networks → Anybus / Modbus TCP / EtherNet/IP</li> <li><i>P26.5 - TIMEOUT MS</i></li> <li><i>TYPE:</i></li> <li><i>DESCRIPTION:</i></li> <li>Read/Write</li> <li>Communications trip Timeout period. To prevent a 'Communications Trip' (If enabled), a</li> <li>parameter must be written to or read within this time period.</li> <li><i>RANGE:</i></li> <li><i>MODBUS DECIMAL VALUE:</i></li> <li><i>DEFAULT:</i></li> <li>Oms - 60,000ms</li> <li>linear scale (1 = 1 ms)</li> <li>5000ms</li> <li><i>MODBUS ADDRESS:</i></li> <li><i>MODBUS DECIMAL VALUE:</i></li> <li><i>DEFAULT:</i></li> <li><i>DEFAULT:</i></li> <li><i>DEFAULT:</i></li> <li><i>DEFAULT:</i></li> <li><i>MODBUS DECIMAL VALUE:</i></li> <li><i>DEFAULT:</i></li> <li><i>DEFAUL:</i></li> <li><i>DEFA</i></li></ul>	Address	_	-
<ul> <li>Firmware Version</li> <li>Connection</li> <li>MODBUS ADDRESS: MODBUS FORMAT:         <ul> <li>-</li> <li>-</li></ul></li></ul>	Serial Number		
<ul> <li>Connection         <u>MODBUS ADDRESS:</u> <u>Gubdes ADDRESS:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u>         Oms – 60,000 ms         linear scale (1 = 1 ms)         <u>S000 ms         S000 ms         <u>Gubdes ADDRESS:</u> <u>MODBUS FORMAT:</u> <u>15808 (3DC0 hex) 16-bit unsigned         <u>TOUCHSCREEN MENU PATH:</u> <u>HOLD. REG. TYPE:</u> <u>PE6.6 - COMMUNICATIONS SHUTDOWN         <u>HOLD. REG. TYPE:</u> <u>Read/Write         This works in conjunction with the 'Communications Trip' Read/Write         This works in conjunction with the 'Communications Trip'         <u>NODBUS DECIMAL VALUE:</u> <u>DEFAULT: 000000000000000000000000000000000000</u></u></u></u></u></li></ul>	Firmware Version		
MODBUS ADDRESS:       MODBUS FORMAT:         -       -         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Anybus / Modbus TCP / EtherNet/IP         P26.5 - TIMEOUT MS       Type:         DESCRIPTION:       Read/Write         Communications trip Timeout period. To prevent a 'Communications Trip' (If enabled), a parameter must be written to or read within this time period.       Read/Write         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         Oms - 60,000ms       linear scale (1 = 1 ms)       5000ms         MODBUS ADDRESS:       MODBUS FORMAT:       15808 (3DC0 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Timeout mS       Read/Write         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. REG. TYPE:       DEFAULT (DECIMAL)         MOSBUS DECIMAL VALUE:       DEFAULT (DECIMAL)       If the 'Communication Trip' is turned 'On' the unit will trip       0         off : If the 'Communication Trip' is turned 'On' the unit will shut       1       • ON (1)       own instead of tripping if the communications fail.         • On : If the 'Communication Trip' is turned 'On' the unit will shut       1       • ON (1)         down instead of tripping if the communications fail.       • ON (1)       • ON (1)         MODBUS ADDRESS:       MODBUS FORMAT:       • ON (1)	Connection		
Image: Provide a provide provide provide a provide a p	Modbus Address:	<u>Modbus Format:</u>	
Touchscreen Menu PATH: Home → Device → Networks → Anybus / Modbus TCP / EtherNet/IP         P26.5 - TIMEOUT MS <u>Type:</u> DESCRIPTION: Communications trip Timeout period. To prevent a 'Communications Trip' (If enabled), a parameter must be written to or read within this time period.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0ms - 60,000ms       linear scale (1 = 1 ms)       5000ms         MODBUS ADDRESS:       MODBUS FORMAT:       15808 (3DC0 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Hour > Device > Networks → Timeout mS       HOLD. REG. TYPE:         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. REG. TYPE:       Read/Write         This works in conjunction with the 'Communications Trip.'       Read/Write         This works in conjunction rip' is turned 'On' the unit will trip       0       if the communication Trip' is turned 'On' the unit will shut       1       • ON (1)         own instead of tripping if the communications fail.       MODBUS FORMAT:       53802 (D22A hex)       16-bit unsigned         MODBUS ADDRESS:       MODBUS FORMAT:       16-bit unsigned       MODBUS FORMAT:       53802 (D22A hex)       16-bit unsigned	_	_	
Home → Device → Networks → Anybus / Modbus TCP / EtherNet/IP         P26.5 - TIMEOUT MS       Type:         DESCRIPTION:       Read/Write         Communications trip Timeout period. To prevent a 'Communications Trip' (If enabled), a parameter must be written to or read within this time period.       DEFAULT:         Oms – 60,000ms       Linear scale (1 = 1 ms)       DEFAULT:         0ms – 60,000ms       linear scale (1 = 1 ms)       5000ms         MODBUS ADDRESS:       MODBUS FORMAT:       15808 (3DC0 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Timeout mS       Read/Write         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         This works in conjunction with the 'Communications Trip.'       Read/Write         * This works in conjunction Trip' is turned 'On' the unit will trip       0       if the communication Trip' is turned 'On' the unit will shut       1       • ON (1)         own instead of tripping if the communications fail.       • ON (1)       • ON (1)       • ON (1)         MOBBUS ADDRESS:       MODBUS FORMAT:       • S3802 (D22A hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Communications Shutdown       10-bit unsigned       • ON (1) <td><u>TOUCHSCREEN MENU PATH</u>:</td> <td></td> <td></td>	<u>TOUCHSCREEN MENU PATH</u> :		
P26.5 - TIMEOUT MS       TYPE:         DESCRIPTION:       Read/Write         Communications trip Timeout period. To prevent a 'Communications Trip' (If enabled), a parameter must be written to or read within this time period.       DEFAULT:         Oms - 60,000ms       linear scale (1 = 1 ms)       5000ms         MODBUS ADDRESS:       MODBUS FORMAT:       15808 (3DC0 hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Timeout mS       HOLD. REG. TYPE:         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. REG. TYPE:       Read/Write         This works in conjunction with the 'Communications Trip.'       Read/Write       Read/Write         * This works in conjunction with the 'Communications Trip.'       Read/Write       DEFAULT (DECIMAL)         • Off : If the 'Communication Trip' is turned 'On' the unit will trip       • 0       if the communications fail.       • ON (1)         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1       • ON (1)       own instead of tripping if the communications fail.         MODBUS ADDRESS:       MODBUS FORMAT:       53802 (D22A hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Communications Shutdown       10       • ON (1)	Home → Device → Networks → Anybus / Mod	bus TCP / EtherNet/IP	
DESCRIPTION:Read/WriteCommunications trip Timeout period. To prevent a 'Communications Trip' (If enabled), a parameter must be written to or read within this time period.DEFAULT: $RANGE:$ MODBUS DECIMAL VALUE:DEFAULT:Oms - 60,000mslinear scale (1 = 1 ms)5000ms $MODBUS ADDRESS:$ MODBUS FORMAT:15808 (3DC0 hex)16-bit unsigned $TOUCHSCREEN MENU PATH:$ Home $\rightarrow$ Device $\rightarrow$ Networks $\rightarrow$ Timeout mSRead/WriteP26.6 - COMMUNICATIONS SHUTDOWNHOLD. Reg. TYPE:Read/Write $MSCRIPTION:$ Read/WriteRead/WriteThis works in conjunction with the 'Communications Trip.'Read/WriteRANGE:MODBUS DECIMAL VALUE:DEFAULT (DECIMAL)• Off : If the 'Communication Trip' is turned 'On' the unit will trip• On (1)• on : If the 'Communication Trip' is turned 'On' the unit will shut • 1• ON (1)• down instead of tripping if the communications fail.• ON (1)MODBUS ADDRESS:MODBUS FORMAT:53802 (D22A hex)16-bit unsignedTOUCHSCREEN MENU PATH:Home $\rightarrow$ Device $\rightarrow$ Networks $\rightarrow$ Communications Shutdown	Р26.5 <b>– Тімеоит мS</b>		<u>Type:</u>
Communications trip Timeout period. To prevent a 'Communications Trip' (If enabled), a parameter must be written to or read within this time period. <u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0ms - 60,000ms       linear scale (1 = 1 ms)       5000ms <u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 15808 (3DC0 hex)       16-bit unsigned <u>TOUCHSCREEN MENU PATH</u> :       Home → Device → Networks → Timeout mS       HOLD. REG. TYPE: <u>P26.6 - COMMUNICATIONS SHUTDOWN</u> <u>HOLD. REG. TYPE:</u> <u>DESCRIPTION:</u> Read/Write         This works in conjunction with the 'Communications Trip.'       Read/Write         * This works in conjunction Trip' is turned 'On' the unit will trip • 0       0         if the communication Trip' is turned 'On' the unit will shut • 1 • ON (1)       • ON (1)         down instead of tripping if the communications fail.       • ON (1)         MODBUS ADDRESS: <u>MODBUS FORMAT:</u> 53802 (D22A hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Communications Shutdown	Description:		Read/Write
parameter must be written to or read within this time period.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0ms - 60,000ms       linear scale (1 = 1 ms)       5000ms         MODBUS ADDRESS:       MODBUS FORMAT:       15808 (3DC0 hex)       16-bit unsigned         15808 (3DC0 hex)       16-bit unsigned       MOLD. REG. TYPE:         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. REG. TYPE:       Read/Write         This works in conjunction with the 'Communications Trip.'       Read/Write         This works in conjunction with the 'Communications Trip.'       DEFAULT (DECIMAL)         • Off : If the 'Communication Trip' is turned 'On' the unit will trip       • 0         if the communications fail.       • ON (1)       own instead of tripping if the communications fail.         MODBUS ADDRESS:       MODBUS FORMAT:       • ON (1)         53802 (D22A hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Communications Shutdown	Communications trip Timeout period. To p	revent a 'Communications Trip' (If	enabled), a
RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0ms - 60,000ms       linear scale (1 = 1 ms)       5000ms         MODBUS ADDRESS:       MODBUS FORMAT:       15808 (3DC0 hex)       16-bit unsigned         15808 (3DC0 hex)       16-bit unsigned       MOLD. REG. TYPE:         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. REG. TYPE:       Read/Write         This works in conjunction with the 'Communications Trip.'       Read/Write         MOBBUS DECIMAL VALUE:       DEFAULT (DECIMAL)         • Off : If the 'Communication Trip' is turned 'On' the unit will trip       • 0         if the communications fail.       • ON (1)         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1         • ON (1)       down instead of tripping if the communications fail.         MODBUS ADDRESS:       MODBUS FORMAT:         53802 (D22A hex )       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home > Device > Networks > Communications Shutdown	parameter must be written to or read withir	n this time period.	
0ms - 60,000ms       linear scale (1 = 1 ms)       5000ms         MODBUS ADDRESS:       MODBUS FORMAT:       15808 (3DC0 hex)       16-bit unsigned         15808 (3DC0 hex)       16-bit unsigned       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Timeout mS       HOLD. REG. TYPE:         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. REG. TYPE:       Read/Write         DESCRIPTION:       Read/Write       Read/Write         This works in conjunction with the 'Communications Trip.'       Read/Write       DEFAULT (DECIMAL)         • Off : If the 'Communication Trip' is turned 'On' the unit will trip • 0       0       if the communications fail.         • On : If the 'Communication Trip' is turned 'On' the unit will shut • 1 • ON (1)       oNN (1)       ON (1)         down instead of tripping if the communications fail.       MODBUS FORMAT:       53802 (D22A hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Communications Shutdown       Networks → Communications Shutdown       Networks → Communications Shutdown	<u>Range:</u>	Modbus Decimal Value:	<u>DEFAULT:</u>
MODBUS ADDRESS:       MODBUS FORMAT:         15808 (3DC0 hex )       16-bit unsigned <u>TOUCHSCREEN MENU PATH</u> :       Home → Device → Networks → Timeout mS         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         This works in conjunction with the 'Communications Trip.'       Read/Write         MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL)         • Off : If the 'Communication Trip' is turned 'On' the unit will trip       • 0         if the communications fail.       • ON (1)         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1         • ON (1)       down instead of tripping if the communications fail.         MODBUS ADDRESS:       MODBUS FORMAT:         53802 (D22A hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Communications Shutdown	0ms – 60,000ms	linear scale ( 1 = 1 ms )	5000ms
15808 (3DC0 hex)       16-bit unsigned <u>TOUCHSCREEN MENU PATH</u> :       Home → Device → Networks → Timeout mS <b>P26.6 - COMMUNICATIONS SHUTDOWN</b> HOLD. REG. TYPE: <u>DESCRIPTION:</u> Read/Write         This works in conjunction with the 'Communications Trip.'       Read/Write <u>MODBUS DECIMAL VALUE:</u> DEFAULT (DECIMAL)         • Off: If the 'Communication Trip' is turned 'On' the unit will trip       • 0         if the communications fail.       • ON (1)         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1       • ON (1)         down instead of tripping if the communications fail.       • ON (1) <u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT</u> :         53802 (D22A hex)       16-bit unsigned <u>TOUCHSCREEN MENU PATH</u> :       Home → Device → Networks → Communications Shutdown	Modbus Address:	<u>Modbus Format:</u>	
TOUCHSCREEN MENU PATH: Home → Device → Networks → Timeout mS         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. REG. TYPE: Read/Write         DESCRIPTION: This works in conjunction with the 'Communications Trip.'       Read/Write         MODBUS DECIMAL VALUE: 0 ff : If the 'Communication Trip' is turned 'On' the unit will trip       DEFAULT (DECIMAL)         • Off : If the 'Communication Trip' is turned 'On' the unit will shut       • 1       • ON (1)         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1       • ON (1)         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1       • ON (1)         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1       • ON (1)         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1       • ON (1)         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1       • ON (1)         • MODBUS ADDRESS:       MODBUS FORMAT:       • 53802 (D22A hex)       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Communications Shutdown       • Ommunications Shutdown       • Ommunications Shutdown	15808 ( 3DC0 hex )	16-bit unsigned	
Home → Device → Networks → Timeout mS         P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. REG. TYPE: Read/Write         DESCRIPTION: This works in conjunction with the 'Communications Trip.'       Read/Write         * Off : If the 'Communication Trip' is turned 'On' the unit will trip • 0 if the communications fail.       DEFAULT (DECIMAL)         • On : If the 'Communication Trip' is turned 'On' the unit will shut • 1       • ON (1)         down instead of tripping if the communications fail.       • ON (1)         MODBUS ADDRESS: 53802 (D22A hex)       MODBUS FORMAT: 16-bit unsigned         TOUCHSCREEN MENU PATH: Home → Device → Networks → Communications Shutdown	<u>Touchscreen Menu Path</u> :		
P26.6 - COMMUNICATIONS SHUTDOWN       HOLD. REG. TYPE:         DESCRIPTION:       Read/Write         This works in conjunction with the 'Communications Trip.'       Read/Write         MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL)         • Off : If the 'Communication Trip' is turned 'On' the unit will trip       • 0         if the communications fail.       • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1       • ON (1)         down instead of tripping if the communications fail.       MODBUS FORMAT:       53802 (D22A hex )       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Communications Shutdown       Home → Device → Networks → Communications Shutdown       Hout the summer of th	Home $\rightarrow$ Device $\rightarrow$ Networks $\rightarrow$ Timeout mS		
DESCRIPTION:       Read/Write         This works in conjunction with the 'Communications Trip.'       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL)         • Off : If the 'Communication Trip' is turned 'On' the unit will trip       • 0       if the communications fail.       • ON (1)         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1       • ON (1)         down instead of tripping if the communications fail.       • ON (1)         MODBUS ADDRESS:       MODBUS FORMAT:         53802 (D22A hex )       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Communications Shutdown	P26.6 – COMMUNICATIONS SHUTDOWN		HOLD. REG. TYPE:
Model and the system       Model and the system       Default (Decimal)         Provide an angle and the system       Model and the system       Default (Decimal)         • Off : If the 'Communication Trip' is turned 'On' the unit will trip       • 0       • 0         • Off : If the 'Communication Trip' is turned 'On' the unit will trip       • 0       • 0         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1       • ON (1)         down instead of tripping if the communications fail.       • 0N (1)       • 0N (1)         MODBUS ADDRESS:       MODBUS FORMAT:       • 0N (1)         53802 (D22A hex )       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Communications Shutdown	Description:		Read/Write
RANGE:       MODBUS DECIMAL VALUE:       DEFAULT (DECIMAL)         • Off : If the 'Communication Trip' is turned 'On' the unit will trip       • 0       if the communications fail.         • On : If the 'Communication Trip' is turned 'On' the unit will shut       • 1       • ON (1)         down instead of tripping if the communications fail.       MODBUS FORMAT:         53802 ( D22A hex )       16-bit unsigned         TOUCHSCREEN MENU PATH:       Home → Device → Networks → Communications Shutdown	This works in conjunction with the 'Commu	nications Trip.'	
<ul> <li>Off : If the 'Communication Trip' is turned 'On' the unit will trip • 0 if the communications fail.</li> <li>On : If the 'Communication Trip' is turned 'On' the unit will shut • 1 • ON (1) down instead of tripping if the communications fail.</li> <li><u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 53802 ( D22A hex ) 16-bit unsigned <u>TOUCHSCREEN MENU PATH:</u> Home → Device → Networks → Communications Shutdown</li> </ul>	<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT (DECIMAL):</u>
if the communications fail. • On : If the 'Communication Trip' is turned 'On' the unit will shut • 1 • ON (1) down instead of tripping if the communications fail. <u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 53802 (D22A hex ) 16-bit unsigned <u>TOUCHSCREEN MENU PATH</u> : Home → Device → Networks → Communications Shutdown	Off : If the 'Communication Trip' is turned	'On' the unit will trip • 0	
<ul> <li>On : If the 'Communication Trip' is turned 'On' the unit will shut</li> <li>1</li> <li>ON (1) down instead of tripping if the communications fail.</li> <li><u>MODBUS ADDRESS:</u></li> <li><u>MODBUS FORMAT:</u></li> <li>53802 (D22A hex)</li> <li>16-bit unsigned</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> <li>Home → Device → Networks → Communications Shutdown</li> </ul>	if the communications fail.		
down instead of tripping if the communications fail. <u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 53802 ( D22A hex ) 16-bit unsigned <u>TOUCHSCREEN MENU PATH</u> : Home → Device → Networks → Communications Shutdown	On : If the 'Communication Trip' is turned	'On'the unit will shut • 1	• ON (1)
MODBUS ADDRESS:       MODBUS FORMAT:         53802 ( D22A hex )       16-bit unsigned         TOUCHSCREEN MENU PATH:       16-bit unsigned         Home → Device → Networks → Communications Shutdown	down instead of tripping if the comm	unications fail.	
53802 ( D22A hex ) 16-bit unsigned <u>Touchscreen Menu Path</u> : Home → Device → Networks → Communications Shutdown	Modbus Address:	<u>Modbus Format:</u>	
<u>TOUCHSCREEN MENU PATH</u> : Home → Device → Networks → Communications Shutdown	53802 ( D22A hex )	16-bit unsigned	
Home → Device → Networks → Communications Shutdown	<u>Touchscreen Menu Path</u> :		
	Home → Device → Networks → Communicati	ons Shutdown	

#### **DEVICE PARAMETERS** P27.0 - RESET DEFAULTS HOLD. REG. TYPE: **DESCRIPTION:** Read/Write Restores the SR55 to the factory defaults. · Reset to factory defaults does not reset configurations that were set up in the Anybus modules, because the configuration is stored in the communication module; not the starter. MODBUS DECIMAL VALUE: DEFAULT (DECIMAL): <u>RANGE:</u> • No • 0 • No (0) • 1 • Yes MODBUS ADDRESS: MODBUS FORMAT: 16-bit unsigned 62080 (F280 hex) TOUCHSCREEN MENU PATH: Home $\rightarrow$ Device $\rightarrow$ Reset Defaults WARNING: IF A PASSCODE IS SET IN THE SR55 AND LOST/FORGOTTEN, YOU MUST CONTACT TECHNICAL SUPPORT FOR ASSISTANCE (800) 633-0405. The procedure will require the unit be factory reset by an authorized representative. RESET DEFAULTS PARAMETER WILL NOT BE AVAILABLE IF SCREEN LOCK IS ENABLED. P27.1 - ABOUT TYPE: Read Only **DESCRIPTION:** Gives the SR55 model number, serial number, and current firmware versions. MODBUS DECIMAL VALUE: RANGE: DEFAULT: Model number Serial Number Firmware versions MODBUS ADDRESS: MODBUS FORMAT: TOUCHSCREEN MENU PATH: Home $\rightarrow$ Device $\rightarrow$ About P27.2 - SCREEN LOCK HOLD. REG. TYPE: Read/Write **DESCRIPTION:** Stops unauthorized access to read/write parameters. RANGE: MODBUS DECIMAL VALUE: DEFAULT (DECIMAL): • Off • 0 • Off (0) • On • 1 **MODBUS ADDRESS:** MODBUS FORMAT: 12992 (32C0 hex) 16-bit unsigned TOUCHSCREEN MENU PATH: Home $\rightarrow$ Device $\rightarrow$ Screen Lock WARNING: ENSURE THE PASSCODE IS KNOWN BEFORE SETTING THIS PARAMETER. IF A PASSCODE IS SET IN THE SR55 AND LOST/ FORGOTTEN, YOU MUST CONTACT TECHNICAL SUPPORT FOR ASSISTANCE (800) 633-0405. THE PROCEDURE WILL REQUIRE THE UNIT BE FACTORY RESET BY AN AUTHORIZED REPRESENTATIVE. P27.3 - DATE FORMAT HOLD. REG. TYPE: Read/Write **DESCRIPTION:** Allows the date format to be changed to American. MODBUS DECIMAL VALUE: DEFAULT: RANGE: dd/mm/yyyy • 0 dd/mm/yyyy mm/dd/yyyy • 1 MODBUS FORMAT: **MODBUS ADDRESS:** 16-bit unsigned 13248 (33C0 hex) TOUCHSCREEN MENU PATH: Home $\rightarrow$ Device $\rightarrow$ Date Format

P27.4 – TEMPERATURE FORMAT		<u>Түре:</u>
DESCRIPTION:		Read/Write
Selects °C or °F for displayed temperatures.		
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
• °C	• 0	• °C
• °F	• 1	
MODBUS ADDRESS:	<u>Modbus Format:</u>	
13312 ( 3400 hex )	16-bit unsigned	
<u>TOUCHSCREEN MENU PATH:</u>		
Home → Device → Temperature Format		

P27.5 – PARAMETERS TO USB			HOLD. REG. TYPE:
DESCRIPTION:			Read/Write
Allows the user to save parameters.			
<ul> <li>Downloads the parameters from the SR55 to</li> </ul>	o the USB	B drive.	
<ul> <li>Data is stored in CSV format.</li> </ul>			
<ul> <li>Parameters cannot be saved to a USB using</li> </ul>	the remo	ote touchscreen. Please	e use the on-board
touchscreen only.			
<u>Range:</u>	<u>Modbus</u>	<u>s Decimal Value:</u>	<u>DEFAULT (DECIMAL):</u>
• No	• 0		• No (0)
• Yes	• 1		
<u>Modbus Address:</u>	<u>Modbus</u>	<u>s Format:</u>	
62272 ( F340 )	-		
<u>Touchscreen Menu Path</u> :			
Home → Device → Parameters to USB			

P27.6 – PARAMETERS FROM USB		<u>HOLD. REG. TYPE:</u>
Description:		Read/Write
<ul><li>Allows the user to load parameters</li><li>Uploads the parameters from the</li><li>Data is stored in CSV format.</li></ul>	stored on a USB flash drive. USB drive to the SR55.	
<ul> <li>Parameters cannot be uploaded f board touchscreen only.</li> </ul>	rom a USB using the remote touc	chscreen. Please use the on-
<u>Range:</u>	<u>MODBUS DECIMAL VAL</u>	UE: DEFAULT (DECIMAL):
• No	• 0	• No (0)
• Yes	• 1	
<u>Modbus Address:</u>	<u>Modbus Format:</u>	
62336 ( F380 )	_	
<u>TOUCHSCREEN MENU PATH:</u>		
Home $\rightarrow$ Device $\rightarrow$ Parameters from	USB	

P27.7 – Service Code		<u>TYPE:</u>
Description:		n/a
Diagnostic parameter; for manufac	turer's use only.	
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
n/a	n/a	n/a
<u>Modbus Address:</u>	<u>Modbus Format:</u>	
13120 ( 3340 hex )	n/a	
<u>TOUCHSCREEN MENU PATH</u> :		
Home → Device → Service Code		

# "AUTO RESET" MENU OF PARAMETERS

AUTO RESET <u>TYPE:</u> DESCRIPTION:       Read/Write         Enables the Auto Reset Feature is disabled and •0 • OFF (0) all counters will be re-initialized.       • Or. The Auto Reset feature is enabled. • 1         MODBUS ADDRESS:       MODBUS FORMAT:         20736 (5100 hex)       TOUESCREEN MENU PATH:         Advanced → Auto Reset + Auto Reset       Read/Write         RESET DELAY       TYPE:         DESCRIPTION:       Read/Write         The delay between the trip event and the automatic reset; if the start signal is active, the unit will re-start following the reset.       • If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.         • When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.       MODBUS DECIMAL VALUE:       DEFAULT:         0-7200 s       0       0       0         MODBUS ADDRESS:       MODBUS FORMAT:       20737 (5101 hex)       TOUENSCREEN MENU PATH:         Advanced → Auto Reset → Reset Delay        Read/Write         RESET ATTEMPTS       TYPE:       DESCRIPTION:         The number of restart attempts allowed before the Auto Reset terminates.       •       If the Auto Reset → Reset Delay         RESET ATTEMPTS       TYPE:       DESCRIPTION:       Read/Write         The number o			
DESCRIPTION:       Read/Write         Enables the Auto Reset Feature.       MODBUS DECIMAL VALUE:       DEFAUIT:         • Off: The Auto Reset feature is disabled and       • 0       • OFF (0)         all counters will be re-initialized.       • 1       • OFF (0)         MODBUS FORMAT:       20736 (5100 hex)       MODBUS FORMAT:         20736 (5100 hex)       MODBUS FORMAT:       20736 (5100 hex)         TOUCHSCREEN MENU PATH:       Advanced → Auto Reset → Auto Reset       Read/Write         Advanced → Auto Reset → Auto Reset       Read/Write       Read/Write         The delay between the trip event and the automatic reset; if the start signal is active, the unit will re-start following the reset.       • If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.         • When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.       DEFAULT:         • 0-7200 s       0       0         MODBUS ADDRESS:       MODBUS FORMAT:       0         20737 (5101 hex)       The Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.       If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.       If the Auto Reset has been successful, the counters are re-inititalized by ap	AUTO RESET		<u>TYPE:</u>
Enables the Auto Reset Feature.       MODEUS DECIMAL VALUE:       DEFAULT:         • Off: The Auto Reset feature is disabled and all counters will be re-initialized.       • 0       • OFF (0)         • On: The Auto Reset feature is enabled.       • 1       • 0         MODBUS ADDRESS:       MODBUS FORMAT:       20736 (5100 hex)         TOUCHSCREEN MENU PATH:       Advanced → Auto Reset → Auto Reset       Read/Write         RESET DELAN       Tyre:       Read/Write         DESCRIPTION:       Read/Write       Read/Write         The delay between the trip event and the automatic reset; if the start signal is active, the unit will re-start following the reset.       • If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.         • When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.       DEFAULT:         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-7200 s       MODBUS FORMAT:       0         07037 (5101 hex)       TOUENSCREEN MENU PATH: Advanced → Auto Reset → Reset Delay       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       • If the Auto Reset at as been successful, the counters are re-initialized by applying a reset signal or removing the start signal.       • If the Auto Reset many point, the Auto Reset feature will terminate and the counters will be re- initialized. The n	Description:		Read/Write
RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         • Off: The Auto Reset feature is disabled and all counters will be re-initialized.       • 0       • OFF (0)         all counters will be re-initialized.       • 1       • OFF (0)         MODBUS ADDRESS:       MODBUS FORMAT:       20736 (5100 hex)         TOUENSCREEN MENU PATH:       Advanced → Auto Reset → Auto Reset       Read/Write         Advanced → Auto Reset → Auto Reset       Read/Write       Read/Write         The delay between the trip event and the automatic reset; if the start signal is active, the unit will re-start following the reset.       If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.         • When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.       DEFAULT:         RANGE:       MODBUS FORMAT:       0         0-7200 s       0       0         MODBUS FORMAT:       0       0         MODBUS ADDRESS:       MODBUS FORMAT:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       If the Auto Reset → Reset Delay         RESET ATTEMPTS       TYPE:       Read/Write         DESCRIPTION:       Read/Write       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.	Enables the Auto Reset Feature.		
<ul> <li>Off: The Auto Reset feature is disabled and 0</li> <li>OFF (0) all counters will be re-initialized.</li> <li>On: The Auto Reset feature is enabled.</li> <li>1</li> <li>MODBUS FORMAT: 20736 (5100 hex)</li> <li>TOUCHSCREEN MENU PATH: Advanced → Auto Reset → Auto Reset</li> </ul> Reset DELAY TYPE: DESCRIPTION: The delay between the trip event and the automatic reset; if the start signal is active, the unit will re-start following the reset. <ul> <li>If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.</li> <li>When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu. Reset: 0 MODBUS DECIMAL VALUE: 0-7200 s <ul> <li>MODBUS FORMAT: 20737 (5101 hex)</li> <li>TOUCHSCREEN MENU PATH: Advanced → Auto Reset Delay</li> </ul> Reset: ArtrEMPTS TVPE: DESCRIPTION: The number of restart attempts allowed before the Auto Reset terminates. <ul> <li>If the Auto Reset has been successful, the counters are re-initialized by applying a reset signal or removing the start signal.</li> <li>If set to zero at any point, the Auto Reset feature will terminate and the counters will be re- initialized. The number of attern these number of attern the signal. <ul> <li>If the Auto Reset has been successful, the counters are re-initialized by applying a reset signal or removing the start signal.</li> <li>If set to zero at any point, the Auto Reset feature will terminate and the counters will be re- initialized. The number of attern the remaining can be viewed in the Monitor menu.</li> <li>RANGE:</li> <li>MODBUS DECIMAL VALUE:</li> <li>DEFAULT: 0-10</li> <li>MODBUS DECIMAL VALUE:</li> <li>DEFAULT: 0-10</li> <li>MODBUS FORMAT:</li> <li>14144 (3740 hex)</li> </ul></li></ul></li></ul>	<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
all counters will be re-initialized.       • 1         MODBUS ADDRESS:       MODBUS FORMAT:         20736 (5100 hex)       TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Auto Reset       Read/Write         RESET DELAY       Type:         DESCRIPTION:       Read/Write         The delay between the trip event and the automatic reset; if the start signal is active, the unit will re-start following the reset.       • If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.         • When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.       MODBUS DECIMAL VALUE:       DEFAULT:         0-7200 s       0       0         MODBUS ADDRESS:       MODBUS FORMAT:       20737 (5101 hex)         TOUCHSCREEN MENU PATH:       Advanced → Auto Reset → Reset Delay       Read/Write         RESER ATTEMPTS       Type:       DESCRIPTION:         The number of restart attempts allowed before the Auto Reset terminates.       • If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.       • If the Auto Restart has been nusuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.       • If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor men	• Off: The Auto Reset feature is disabled and	• 0	• OFF (0)
<ul> <li>On: The Auto Reset feature is enabled.</li> <li>1         MODBUS ADDRESS: MODBUS FORMAT: 20736 (5100 hex)     </li> <li>TOUCHSCREEM MENU PATH: Advanced → Auto Reset → Auto Reset     </li> <li>RESET DELAY Type: Read/Write The delay between the trip event and the automatic reset; if the start signal is active, the unit will re-start following the reset.     <li>If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.</li> <li>When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.     </li> <li>RANGE: MODBUS DECIMAL VALUE: DEFAULT: 0-7200 s</li> <li>MODBUS ADDRESS: MODBUS FORMAT: 20737 (S101 hex)</li> <li>TOUCHSCREEN MENU PATH: Advanced → Auto Reset → Reset Delay</li> <li>RESET ATTEMPTS TYPE: DESCRIPTION: Read/Write The number of restart attempts allowed before the Auto Reset terminates.</li> <li>If the Auto Reset has been successful, the counters is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.</li> <li>If the Auto Reset has been successful, the counters are re-initialized by applying a reset signal or removing the start signal.</li> <li>If set to zero at any point, the Auto Reset feature will terminate and the counters will be re- initialized. The number of attempts remaining can be viewed in the Monitor menu.</li> <li>RANGE: MODBUS DECIMAL VALUE: DEFAULT: 0-10 0</li> <li>MODBUS DECIMAL VALUE: DEFAULT: 0-10 0</li> <li>MODBUS DECIMAL VALUE: DEFAULT: 0-10 0</li> </li></ul>	all counters will be re-initialized.		
MODBUS ADDRESS:       MODBUS FORMAT:         20736 (5100 hex)       TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Auto Reset       Rest         RESET DELAY       TYPE:         DESCRIPTION:       Read/Write         The delay between the trip event and the automatic reset; if the start signal is active, the unit will re-start following the reset.       If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.         • When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.       DEFAULT:         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-7200 s       0       0         MODBUS ADDRESS:       MODBUS FORMAT:       20737 (5101 hex)         TOUCHSCREEN MENU PATH:       Advanced → Auto Reset → Reset Delay       Reset TATTEMPTS         RESET ATTEMPTS       TYPE:       DESCRIPTION:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.            If the Auto Reset has been successful, the counters are re-initialized by applying a reset signal or removing the start signal.           If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:	<ul> <li>On: The Auto Reset feature is enabled.</li> </ul>	• 1	
20736 ( 5100 hex )         TOUCHSCREEN MENU PATH: Advanced → Auto Reset → Auto Reset         RESET DELAY       Type: DESCRIPTION: The delay between the trip event and the automatic reset; if the start signal is active, the unit will re-start following the reset.         • If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.         • When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:         0-7200 s       0         MODBUS ADDRESS:       MODBUS FORMAT:         20737 ( 5101 hex )       Touchscreen MENU PATH: Advanced → Auto Reset → Reset Delay         RESET ATTEMPTS       Type: DESCRIPTION:         Reset As been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         • If the Auto Reset has been successful, the counter is are re-initialized by applying a reset signal or removing the start signal.         • If set to zero at any point, the Auto Reset feature will terminate and the counters will be re- initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT: 0         0-10       0       0         MODBUS DECIMAL VALUE:       DEFAULT: 0       0         MODBUS DECIMAL VALUE:       DEFAULT: 0       0	Modbus Address:	<u>Modbus Format:</u>	
TOUCHSCREEN MENU PATH: Advanced → Auto Reset → Auto Reset         Advanced → Auto Reset → Auto Reset         Image: Section of the section of	20736 ( 5100 hex )		
Advanced → Auto Reset → Auto Reset         RESET DELAY       TYPE:         DESCRIPTION:       Read/Write         The delay between the trip event and the automatic reset; if the start signal is active, the unit will re-start following the reset.       If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.         • When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.       MODBUS DECIMAL VALUE:       DEFAULT:         0-7200 s       0       0         MODBUS ADDRESS:       MODBUS FORMAT:       0         20737 (5101 hex)       1       1         TOUCHSCREEN MENU PATH:       Advanced → Auto Reset → Reset Delay       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       I       1         If the Auto Restart has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.       If the Auto Restart has been successful, the counters are re-initialized by applying a reset signal or removing the start signal.       If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0       0         MODBUS ADDRESS:       MODBUS DECIMAL VALUE: <td><u>Touchscreen Menu Path</u>:</td> <td></td> <td></td>	<u>Touchscreen Menu Path</u> :		
RESET DELAY       TYPE:         DESCRIPTION:       Read/Write         The delay between the trip event and the automatic reset; if the start signal is active, the unit will re-start following the reset.       If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.         • When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.       DEFAULT:         0-7200 s       0         MODBUS ADDRESS:       MODBUS FORMAT:         20737 (5101 hex)       0         TOUCHSCREEN MENU PATH:       Advanced → Auto Reset > Reset Delay         RESET ATTEMPTS       TYPE:         DESCRIPTION:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.       If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.         If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0       MODBUS FORMAT:       0       0<	Advanced → Auto Reset → Auto Reset		
Description:       Read/Write         Description:       Read/Write         The delay between the trip event and the automatic reset; if the start signal is active, the unit will re-start following the reset.       If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.         •       If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.         •       When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-7200 s       0         MODBUS ADDRESS:       MODBUS FORMAT:         20737 (5101 hex)       7         TOUCHSCREEN MENU PATH:       Advanced → Auto Reset → Reset Delay         RESET ATTEMPTS       Type:         DESCRIPTION:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         •       If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.         •       If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.      <	RESET DELAY		TYDE
Description.       Integration of the section of the se	DESCRIPTION		<u>Pead</u> /Write
Interaction of the constraint the automatic reset, in the start signal is active, the unit with re-start following the reset.         • If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.         • When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu. <u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> 0-7200 s       0 <u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 20737 (5101 hex)       0 <u>TOUCHSCREEN MENU PATH</u> : <u>Advanced</u> → Auto Reset → Reset Delay         RESET ATTEMPTS <u>TYPE:</u> <u>DESCRIPTION:</u> Read/Write         The Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         • If the Auto Reset has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.         • If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu. <u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> 0-10       0 <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT</u> :         0-10       0 <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT</u> :         0-10       0	The delay between the trip event and the aut	comptic rosot: if the start signal is ac	tive the unit will
<ul> <li>If this is set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized.</li> <li>When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.</li> <li><u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-7200 s</li> <li>0</li> <li><u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 20737 (5101 hex)</li> <li><u>TOUCHSCREEN MENU PATH:</u> Advanced → Auto Reset → Reset Delay</li> <li><u>RESET ATTEMPTS</u> <u>TYPE:</u> <u>DESCRIPTION:</u> Read/Write The number of restart attempts allowed before the Auto Reset terminates.</li> <li>If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.</li> <li>If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.</li> <li>If set to zero at any point, the Auto Reset feature will terminate and the counters will be re- initialized. The number of attempts remaining can be viewed in the Monitor menu.</li> <li><u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-10</li> <li>0</li> <li><u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-10</li> <li><u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-10</li> <li><u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-10</li> <li><u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-10</li> </ul>	re-start following the reset	offatic reset, if the start signat is ac	tive, the unit with
In this barter area by point, the ratio free relates that each the contents will be related with the contents will be remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-7200 s       0         MODBUS ADDRESS:       MODBUS FORMAT:         20737 (5101 hex)       TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Delay       Reset Artrempts         RESET ATTEMPTS       TYPE:         DESCRIPTION:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         • If the Auto Reset has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.         • If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0         MODBUS ADDRESS:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0         MODBUS ADDRESS:       MODBUS FORMAT:         14144 (3740 hex)       TOUCHSCREASE       0	• If this is set to zero at any point, the Auto R	eset feature will terminate and the o	ounters will be
<ul> <li>When the delay is active, the Restart Pending parameter is set and the time remaining can be viewed in the Monitor menu.</li> <li><u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-7200 s 0</li> <li><u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 20737 (5101 hex)</li> <li><u>TOUCHSCREEN MENU PATH:</u> Advanced → Auto Reset → Reset Delay</li> <li><u>RESET ATTEMPTS</u> <u>TYPE:</u> <u>DESCRIPTION:</u> Read/Write The number of restart attempts allowed before the Auto Reset terminates.</li> <li>If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.</li> <li>If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.</li> <li>If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.</li> <li><u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-10 0</li> <li><u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 14144 (3740 hex)</li> </ul>	re-initialized.		ounters whi be
New ed in the Monitor menu.       Modeus Decimal Value:       Defauit:         RANGE:       0         0-7200 s       0         MODBUS ADDRESS:       MODBUS FORMAT:         20737 (5101 hex)       0         TOUCHSCREEN MENU PATH:       Advanced → Auto Reset → Reset Delay         RESET ATTEMPTS       TYPE:         DESCRIPTION:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       • If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         • If the Auto Reset at has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.         • If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0         MODBUS ADDRESS:       MODBUS FORMAT:         14144 (3740 hex))       TOUCHSCREES       MODBUS FORMAT:	When the delay is active, the Restart Pendir	ng parameter is set and the time rer	naining can be
RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-7200 s       0         MODBUS ADDRESS:       MODBUS FORMAT:         20737 (5101 hex)       1         TOUCHSCREEN MENU PATH:       Advanced → Auto Reset → Reset Delay         RESET ATTEMPTS       Type:         DESCRIPTION:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         •       If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.         •       If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0       0         MODBUS ADDRESS:       MODBUS FORMAT:         14144 (3740 hex))       TOUCISCENT:	viewed in the Monitor menu.		8
0-7200 s       0         MODBUS ADDRESS:       MODBUS FORMAT:         20737 (5101 hex)       TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Delay       Advanced → Auto Reset → Reset Delay         RESET ATTEMPTS       TYPE:         DESCRIPTION:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       •         •       If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.       •         •       If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.       •         •       If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0       0         MODBUS ADDRESS:       MODBUS FORMAT:       14144 (3740 hex)         Terrescorerst Menu Deture       DETURE       DEFAULT:         0       NODBUS FORMAT:       14144 (3740 hex)	RANGE:	<u>Modbus Decimal Value:</u>	DEFAULT:
MODBUS ADDRESS:       MODBUS FORMAT:         20737 (5101 hex)       TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Delay       Advanced → Auto Reset → Reset Delay         RESET ATTEMPTS       TYPE:         DESCRIPTION:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.       If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0       0         MODBUS ADDRESS:       MODBUS FORMAT:       14144 (3740 hex))	0-7200 s		0
20737 (5101 hex)         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Delay         RESET ATTEMPTS       TYPE:         DESCRIPTION:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         • If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.         • If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0         MODBUS ADDRESS:       MODBUS FORMAT:         14144 (3740 hex)       TOUCHARD PARTY	MODBUS ADDRESS:	<u>Modbus Format:</u>	
TOUCHSCREEN MENU PATH: Advanced → Auto Reset → Reset Delay         RESET ATTEMPTS       Type: Description: The number of restart attempts allowed before the Auto Reset terminates.         • If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         • If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.         • If set to zero at any point, the Auto Reset feature will terminate and the counters will be re- initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT: 0-10         0       0	20737 ( 5101 hex )		
Advanced → Auto Reset → Reset Delay         RESET ATTEMPTS       Type:         DESCRIPTION:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       • If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         • If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.         • If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0         MODBUS ADDRESS:       MODBUS FORMAT:         14144 (3740 hex)       Truckscenter Mraw Party	TOUCHSCREEN MENU PATH:		
RESET ATTEMPTS       TYPE:         DESCRIPTION:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.         If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0       0         MODBUS ADDRESS:       MODBUS FORMAT:         14144 (3740 hex)       TOUGURGESTON MENU DATURE	Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Delay		
DESCRIPTION:       Read/Write         DESCRIPTION:       Read/Write         The number of restart attempts allowed before the Auto Reset terminates.       If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         • If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.       If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0         MODBUS ADDRESS:       MODBUS FORMAT:         14144 (3740 hex)       Toucureptory: Monu Dature			
Description.       Interview         The number of restart attempts allowed before the Auto Reset terminates.       If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.         • If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.         • If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.         RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0         MODBUS ADDRESS:       MODBUS FORMAT:         14144 (3740 hex)       Toursurgenesses	Description:		<u>ITPE.</u> Poad/Write
<ul> <li>If the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.</li> <li>If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.</li> <li>If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.</li> <li><u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-10 0</li> <li><u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 14144 (3740 hex)</li> </ul>	The number of rectart attempts allowed before	are the Auto Poset terminates	Reau/ Write
<ul> <li>In the Auto Reset has been successful, the counter is reset back to its maximum value when the unit has been running fault free for the Trip Free Time.</li> <li>If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.</li> <li>If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.</li> <li><u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-10 0</li> <li><u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 14144 (3740 hex)</li> </ul>	• If the Auto Poset has been successful, the c	ountor is rosot back to its maximum	value when the
<ul> <li>If the Auto Restart has been unsuccessful, the counters are re-initialized by applying a reset signal or removing the start signal.</li> <li>If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.</li> <li><u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-10 0</li> <li><u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 14144 (3740 hex)</li> </ul>	unit has been running fault free for the Trir	Free Time	value when the
<ul> <li>If set to zero at any point, the Auto Reset feature will terminate and the counters will be re-initialized. The number of attempts remaining can be viewed in the Monitor menu.</li> <li><u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-10 0</li> <li><u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 14144 (3740 hex)</li> </ul>	• If the Auto Restart has been unsuccessful t	he counters are re-initialized by an	lving a reset
<ul> <li>If set to zero at any point, the Auto Reset feature will terminate and the counters will be re- initialized. The number of attempts remaining can be viewed in the Monitor menu.</li> <li><u>RANGE:</u> <u>MODBUS DECIMAL VALUE:</u> <u>DEFAULT:</u> 0-10 0</li> <li><u>MODBUS ADDRESS:</u> <u>MODBUS FORMAT:</u> 14144 ( 3740 hex )</li> </ul>	signal or removing the start signal		lying a reset
initialized. The number of attempts remaining can be viewed in the Monitor menu.          RANGE:       MODBUS DECIMAL VALUE:       DEFAULT:         0-10       0         MODBUS ADDRESS:       MODBUS FORMAT:         14144 ( 3740 hex )	• If set to zero at any point the Auto Reset fe	ature will terminate and the counte	rs will be re-
RANGE:MODBUS DECIMAL VALUE:DEFAULT:0-100MODBUS ADDRESS:MODBUS FORMAT:14144 ( 3740 hex )TOUGUS OF SET MENU DATUS	initialized. The number of attempts remain	ning can be viewed in the Monitor m	enu.
O-10         O           MODBUS ADDRESS:         MODBUS FORMAT:           14144 ( 3740 hex )         TOUGUEODEST MADULE	RANGE:	MODBUS DECIMAL VALUE:	DEFAULT:
MODBUS ADDRESS: MODBUS FORMAT: 14144 ( 3740 hex )	0-10		0
14144 ( 3740 hex )	MODBUS ADDRESS:	Modbus Format:	
	14144 ( 2740 hov )		
I JUUCHSCREEN IVIENU PATH.	14144(3/40)  (Iex)		
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Attempts	TOUCHSCREEN MENU PATH:		

TRIP FREE TIME		<u>TYPE:</u>
DESCRIPTION:		Read/Write
The time the unit must be run trip free before	the counters are re-initialized back to	o zero.
If set to zero at any point, the Auto Reset fea	ature will terminate and the counters	will be re-
Initialized.	- <b>:</b> •	
The Trip Free Time can be viewed in the Mol	nitor menu.	Deering
<u>RANGE:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULI:</u>
0-7200 S		600
MODBUS ADDRESS:	<u>MODBUS FORMAT:</u>	
20736 ( 5100 hex )		
TOUCHSCREEN MENU PATH:		
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Trip Free Time		_
INPUT SIDE PHASE LOSS		TYPE:
DESCRIPTION:		Read/Write
Allows the user to select whether the unit will	auto reset if an Input Side Phase Los	s Trip occurs.
Range:	MODBUS DECIMAL VALUE:	DEFAULT:
Off: The trip will not auto reset.	• 0	
• On: The trip will auto reset when the Reset	• 1	• ON (1)
Delav reaches zero.	-	
MODBUS ADDRESS:	Modbus Format:	
20800 ( 5140 hex )		
TOUCHSCREEN MENU PATH:		
Advanced & Auto Depart & Depart Tring & Jacout		
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Irips $\rightarrow$ Input :	Side Phase Loss	
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Trips $\rightarrow$ Input :	Side Phase Loss	_
Thermal	Side Phase Loss	<u>Түре:</u>
Advanced > Auto Reset > Reset Trips > input 3       THERMAL       Description:		<u>Type:</u> Read/Write
Advanced → Auto Reset → Reset Trips → Input S         THERMAL <u>DESCRIPTION:</u> Allows the user to select whether the unit will	auto reset if a Thermal Trip occurs.	<u>TYPE:</u> Read/Write
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Trips $\rightarrow$ input s         THERMAL <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u>	auto reset if a Thermal Trip occurs. <u>MODBUS DECIMAL VALUE:</u>	<u>TYPE:</u> Read/Write <u>DEFAULT:</u>
Advanced → Auto Reset → Reset Trips → Input S         THERMAL <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.	auto reset if a Thermal Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0	<u>Type:</u> Read/Write <u>DefAult:</u>
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset	auto reset if a Thermal Trip occurs. <i>MODBUS DECIMAL VALUE:</i> • 0 • 1	<u>Type:</u> Read/Write <u>Default:</u> • ON (1)
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.	auto reset if a Thermal Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1	<u>Type:</u> Read/Write <u>Default:</u> • ON (1)
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero. <u>MODBUS ADDRESS:</u>	auto reset if a Thermal Trip occurs. <i>MODBUS DECIMAL VALUE:</i> • 0 • 1 <i>MODBUS FORMAT:</i>	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1)
Advanced → Auto Reset → Reset Trips → Input S         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )	auto reset if a Thermal Trip occurs. MODBUS DECIMAL VALUE: • 0 • 1 MODBUS FORMAT:	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1)
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero. <u>MODBUS ADDRESS:</u> 20801 (5141 hex ) <u>TOUCHSCREEN MENU PATH</u> :	auto reset if a Thermal Trip occurs. <i>MODBUS DECIMAL VALUE:</i> • 0 • 1 <i>MODBUS FORMAT:</i>	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1)
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Therm	auto reset if a Thermal Trip occurs. MODBUS DECIMAL VALUE: • 0 • 1 MODBUS FORMAT: hal	<u>Type:</u> Read/Write <u>DefAULT:</u> • ON (1)
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Therm	auto reset if a Thermal Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> al	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1) Type:
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Therm         THYRISTOR FIRING         DESCRIPTION:	auto reset if a Thermal Trip occurs. <i>MODBUS DECIMAL VALUE:</i> • 0 • 1 <i>MODBUS FORMAT:</i> al	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • Off: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Therm         THYRISTOR FIRING         DESCRIPTION:         Allows the user to select whether the unit will	auto reset if a Thermal Trip occurs. <i>MODBUS DECIMAL VALUE:</i> • 0 • 1 <i>MODBUS FORMAT:</i> al	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Therm         THYRISTOR FIRING         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:	auto reset if a Thermal Trip occurs. <i>MODBUS DECIMAL VALUE:</i> • 0 • 1 <i>MODBUS FORMAT:</i> al auto reset if a Thyristor Firing Trip oc <i>MODBUS DECIMAL VALUE:</i>	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. DEFAULT:
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Therm         THYRISTOR FIRING         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset	auto reset if a Thermal Trip occurs. <i>MODBUS DECIMAL VALUE:</i> • 0 • 1 <i>MODBUS FORMAT:</i> auto reset if a Thyristor Firing Trip of <i>MODBUS DECIMAL VALUE:</i> • 0	<u>Type:</u> Read/Write <u>DefAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DefAULT:</u>
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Therm         THYRISTOR FIRING         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • Off: The trip will not auto reset.         • On: The trip will not auto reset.	auto reset if a Thermal Trip occurs. <i>MODBUS DECIMAL VALUE:</i> • 0 • 1 <i>MODBUS FORMAT:</i> auto reset if a Thyristor Firing Trip oc <i>MODBUS DECIMAL VALUE:</i> • 0 • 1	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DEFAULT:</u> • ON (1)
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Therm         THYRISTOR FIRING         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will not auto reset.         • On: The trip will auto reset when the Reset	auto reset if a Thermal Trip occurs. <i>MODBUS DECIMAL VALUE:</i> • 0 • 1 <i>MODBUS FORMAT:</i> auto reset if a Thyristor Firing Trip oc <i>MODBUS DECIMAL VALUE:</i> • 0 • 1	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DEFAULT:</u> • ON (1)
Advanced → Auto Reset → Reset Trips → Input 3         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Therm         THYRISTOR FIRING         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:	auto reset if a Thermal Trip occurs. <i>MODBUS DECIMAL VALUE:</i> • 0 • 1 <i>MODBUS FORMAT:</i> auto reset if a Thyristor Firing Trip oc <i>MODBUS DECIMAL VALUE:</i> • 0 • 1 <i>MODBUS FORMAT:</i>	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DEFAULT:</u> • ON (1)
Advanced → Auto Reset → Reset Trips → Input 3         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Therm         THYRISTOR FIRING         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • Off: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20802 (5142 hex )	auto reset if a Thermal Trip occurs. <i>MODBUS DECIMAL VALUE:</i> • 0 • 1 <i>MODBUS FORMAT:</i> auto reset if a Thyristor Firing Trip oc <i>MODBUS DECIMAL VALUE:</i> • 0 • 1 <i>MODBUS FORMAT:</i>	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DEFAULT:</u> • ON (1)
Advanced → Auto Reset → Reset Trips → Input 3         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Therm         THYRISTOR FIRING         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20802 (5142 hex )         TOUCHSCREEN MENU PATH:	auto reset if a Thermal Trip occurs. MODBUS DECIMAL VALUE: • 0 • 1 MODBUS FORMAT: auto reset if a Thyristor Firing Trip oc MODBUS DECIMAL VALUE: • 0 • 1 MODBUS FORMAT:	<u>Type:</u> Read/Write <u>DefAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DefAULT:</u> • ON (1)
Advanced → Auto Reset → Reset Trips → Input s         THERMAL         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20801 (5141 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Therm         THYRISTOR FIRING         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20802 (5142 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Thyris	auto reset if a Thermal Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> al auto reset if a Thyristor Firing Trip oc <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tor Firing	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DEFAULT:</u> • ON (1)

MOTOR SIDE PHASE LOSS		<u>TYPE:</u>
Description:		Read/Write
Allows the user to select whether the unit will	auto reset if a Motor Side Phase Loss	Trip occurs.
RANGE:	Modbus Decimal Value:	DEFAULT:
• Off: The trip will not auto reset.	• 0	
• On: The trip will auto reset when the Reset	• 1	• ON (1)
Delay reaches zero.		
MODBUS ADDRESS:	Modbus Format:	
20803 ( 5143 hex )	·····	
Touchscreen Menu Path:		
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Trips $\rightarrow$ Motor	Side Phase Loss	
CONTROL VOLTAGE LOW		<u>Түре:</u>
Description:		Read/Write
Allows the user to select whether the unit will	auto reset if a Control Voltage Low T	rip occurs.
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
<ul> <li>Off: The trip will not auto reset.</li> </ul>	• 0	
• On: The trip will auto reset when the Reset	• 1	• ON (1)
Delay reaches zero.		
Modbus Address:	<u>Modbus Format:</u>	
20805 ( 5145 hex )		
TOUCHSCREEN MENU PATH:		
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Trips $\rightarrow$ Control	ol Voltage Low	
· · · ·	¥	
		_
SENSING FAULT		<u>Түре:</u>
Sensing Fault <u>Description:</u>		<u>Type:</u> Read/Write
SENSING FAULT <u>DESCRIPTION:</u> Allows the user to select whether the unit will	auto reset if a Sensing Fault Trip occ	<u><i>Type:</i></u> Read/Write urs.
SENSING FAULT <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u>	auto reset if a Sensing Fault Trip occ <u>Modbus Decimal Value:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u>
SENSING FAULT <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.	auto reset if a Sensing Fault Trip occ <u>Modbus Decimal Value:</u> • 0	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u>
<ul> <li>SENSING FAULT</li> <li><u>DESCRIPTION:</u></li> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u></li> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset</li> </ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
<ul> <li>SENSING FAULT <ul> <li><u>DESCRIPTION:</u></li> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u></li> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> </ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
<ul> <li>SENSING FAULT <ul> <li><u>DESCRIPTION:</u></li> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u></li> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u></li> </ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
<ul> <li>SENSING FAULT <ul> <li><u>DESCRIPTION:</u></li> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u></li> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u></li> <li>20806 (5146 hex )</li> </ul>	auto reset if a Sensing Fault Trip occ <u>Modbus Decimal Value:</u> • 0 • 1 <u>Modbus Format:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
<ul> <li>SENSING FAULT <ul> <li><u>DESCRIPTION:</u></li> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u></li> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>20806 (5146 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> </ul> </li> </ul>	auto reset if a Sensing Fault Trip occu <u>Modbus Decimal Value:</u> • 0 • 1 <u>Modbus Format:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
<ul> <li>SENSING FAULT         <ul> <li><u>DESCRIPTION:</u></li></ul></li></ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> g Fault	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
<ul> <li>SENSING FAULT         <ul> <li><u>DESCRIPTION:</u>                  Allows the user to select whether the unit will                  <u>RANGE:</u>                  • Off: The trip will not auto reset.                  • On: The trip will auto reset when the Reset                  Delay reaches zero.                 <u>MODBUS ADDRESS:</u>                  20806 (5146 hex )                  <u>TOUCHSCREEN MENU PATH</u>:                  Advanced → Auto Reset → Reset Trips → Sensin</li></ul></li></ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> ng Fault	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
SENSING FAULT <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset. • On: The trip will auto reset when the Reset Delay reaches zero. <u>MODBUS ADDRESS:</u> 20806 (5146 hex ) <u>TOUCHSCREEN MENU PATH</u> : Advanced → Auto Reset → Reset Trips → Sensin FAN DESCRIPTION:	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> Ig Fault	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Pood (Write
SENSING FAULT         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20806 (5146 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Sensin	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> Ig Fault	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write
<ul> <li>SENSING FAULT         <ul> <li><u>DESCRIPTION:</u>                  Allows the user to select whether the unit will                  <u>RANGE:</u>                        • Off: The trip will not auto reset.                       • On: The trip will auto reset when the Reset</li></ul></li></ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> Ig Fault auto reset if a Fan Trip occurs.	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write
<ul> <li>SENSING FAULT         <ul> <li><u>DESCRIPTION:</u>                  Allows the user to select whether the unit will                  <u>RANGE:</u>                  • Off: The trip will not auto reset.                  • On: The trip will auto reset when the Reset                  Delay reaches zero.                 <u>MODBUS ADDRESS:</u>                  20806 (5146 hex )                  <u>TOUCHSCREEN MENU PATH</u>:                  Advanced → Auto Reset → Reset Trips → Sensin FAN                  <u>DESCRIPTION:</u>                  Allows the user to select whether the unit will                  <u>RANGE:</u></li></ul></li></ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> g Fault auto reset if a Fan Trip occurs. <u>MODBUS DECIMAL VALUE:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write <u>DEFAULT:</u>
<ul> <li>SENSING FAULT         <ul> <li><u>DESCRIPTION:</u>                 Allows the user to select whether the unit will                 <u>RANGE:</u>                 • Off: The trip will not auto reset.                 • On: The trip will auto reset when the Reset                     Delay reaches zero.                 <u>MODBUS ADDRESS:</u>                     20806 (5146 hex )                     <u>TOUCHSCREEN MENU PATH</u>:                     Advanced → Auto Reset → Reset Trips → Sensin</li></ul></li></ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> auto reset if a Fan Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write <u>DEFAULT:</u>
<ul> <li>SENSING FAULT         <ul> <li><u>DESCRIPTION:</u>                  Allows the user to select whether the unit will                  <u>RANGE:</u>                        • Off: The trip will not auto reset.                        • On: The trip will auto reset when the Reset</li></ul></li></ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> auto reset if a Fan Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1)
<ul> <li>SENSING FAULT         <ul> <li><u>DESCRIPTION:</u>                 Allows the user to select whether the unit will                 <u>RANGE:</u>                 • Off: The trip will not auto reset.                 • On: The trip will auto reset when the Reset                     Delay reaches zero.                 <u>MODBUS ADDRESS:</u>                     20806 (5146 hex )                     <u>TOUCHSCREEN MENU PATH</u>:                     Advanced → Auto Reset → Reset Trips → Sensin</li></ul></li></ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> auto reset if a Fan Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1)
<ul> <li>SENSING FAULT <ul> <li><u>DESCRIPTION:</u></li> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>20806 (5146 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> <li>Advanced → Auto Reset → Reset Trips → Sensin</li> </ul> </li> <li>FAN <ul> <li><u>DESCRIPTION:</u></li> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> </ul></li></ul></li></ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> ag Fault auto reset if a Fan Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1)
<ul> <li>SENSING FAULT <ul> <li><u>DESCRIPTION:</u></li> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>20806 (5146 hex )</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>: <ul> <li>Advanced → Auto Reset → Reset Trips → Sensin</li> </ul> </li> </ul> </li> <li>FAN <ul> <li><u>DESCRIPTION:</u></li> <li>Allows the user to select whether the unit will <u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> </ul></li></ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> auto reset if a Fan Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1)
<ul> <li>SENSING FAULT <ul> <li><u>DESCRIPTION:</u></li> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>20806 (5146 hex )</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>: <ul> <li>Advanced → Auto Reset → Reset Trips → Sensin</li> </ul> </li> <li>FAN <ul> <li><u>DESCRIPTION:</u></li> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> <ul> <li>20809 (5149 hex )</li> <li><u>TOUCHSCREEN MENU PATH</u>:</li> </ul> </li> </ul></li></ul></li></ul>	auto reset if a Sensing Fault Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> Ig Fault auto reset if a Fan Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1)

LOW CURRENT		TYPE
DESCRIPTION		Read/Write
Allows the user to select whether the unit will	auto reset if a Low Current Trip occur	rs neurophile
RANGE'		DEENIIIT'
• Off: The trip will not auto reset	NODBOS DECIMAL VALUE.	DEFAULT.
• On: The trip will not auto reset.	• 0	- ON (1)
• Oh. The trip will auto reset when the Reset	• 1	• ON (1)
$\frac{1000B05 ADDRESS.}{20010 (5140 hov)}$	MODBUS FORMAL.	
<u>IOUCHSCREEN MENU PATH</u> :		
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Trips $\rightarrow$ Low Ci	urrent	
CURRENT LIMIT TIME OUT		ΤΥΡΕ:
Description:		Read/Write
Allows the user to select whether the unit will	auto reset if a Current Limit Time Out	t Trip occurs.
RANGE:	Modbus Decimal Value:	DEFAULT:
Off: The trip will not auto reset.	• 0	
• On: The trip will auto reset when the Reset	• 1	• ON (1)
Delav reaches zero.		- ( )
MODBUS ADDRESS:	Modbus Format:	
20811 (514B hex)		
ΤΟΠCHSCREEN ΜΕΝΙΙ ΡΑΤΗ		
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Trins $\rightarrow$ Curren	nt Limit Time Out	
Advanced /Adto Reset / Reset Inps / editer		
Overload		<u>Type:</u>
OVERLOAD DESCRIPTION:		<u>Type:</u> Read/Write
OVERLOAD <u>DESCRIPTION:</u> Allows the user to select whether the unit will	auto reset if an Overload Trip occurs.	<u>Type:</u> Read/Write
Overload <u>Description:</u> Allows the user to select whether the unit will <u>Range:</u>	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u>	<u>TYPE:</u> Read/Write <u>DEFAULT:</u>
OVERLOAD <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0	<u>TYPE:</u> Read/Write <u>DEFAULT:</u>
OVERLOAD <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset. • On: The trip will auto reset when the Reset	auto reset if an Overload Trip occurs. <u>Modbus Decimal Value:</u> • 0 • 1	<u>Type:</u> Read/Write <u>Default:</u> • ON (1)
<ul> <li>OVERLOAD</li> <li><u>DESCRIPTION:</u> <ul> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> </ul> </li> </ul>	auto reset if an Overload Trip occurs. <u>Modbus Decimal Value:</u> • 0 • 1	<u>Type:</u> Read/Write <u>DefAULT:</u> • ON (1)
<ul> <li>OVERLOAD</li> <li><u>DESCRIPTION:</u> <ul> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u></li> </ul></li></ul>	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write <u>DefAULT:</u> • ON (1)
<ul> <li>OVERLOAD</li> <li><u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u></li> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> <li><u>MODBUS ADDRESS:</u> 20812 (514C hex )</li> </ul>	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>TYPE:</u> Read/Write <u>DEFAULT:</u> • ON (1)
<ul> <li>OVERLOAD</li> <li><u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> 20812 (514C hex ) <u>TOUCHSCREEN MENU PATH</u>:</li> </ul>	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>TYPE:</u> Read/Write <u>DEFAULT:</u> • ON (1)
<ul> <li>OVERLOAD         <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.         </li> <li><u>MODBUS ADDRESS:</u> 20812 (514C hex )</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>: Advanced → Auto Reset → Reset Trips → Overloop</li> </ul>	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> pad	TYPE: Read/Write DEFAULT: • ON (1)
<ul> <li>OVERLOAD         <u>DESCRIPTION:</u>             Allows the user to select whether the unit will             <u>RANGE:</u>             • Off: The trip will not auto reset.             • On: The trip will auto reset when the Reset             Delay reaches zero.             <u>MODBUS ADDRESS:</u>             20812 (514C hex )             <u>TOUCHSCREEN MENU PATH</u>:             Advanced → Auto Reset → Reset Trips → Overloop      </li> </ul>	auto reset if an Overload Trip occurs. <u>Modbus Decimal Value:</u> • 0 • 1 <u>Modbus Format:</u> pad	<u>Type:</u> Read/Write <u>DefAult:</u> • ON (1)
<ul> <li>OVERLOAD         <ul> <li><u>DESCRIPTION:</u></li></ul></li></ul>	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> pad	<u>Type:</u> Read/Write <u>DefAULT:</u> • ON (1) <u>Type:</u>
OVERLOAD         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20812 (514C hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Overlog         SHEARPIN         DESCRIPTION:	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> pad	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write
OVERLOAD         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20812 (514C hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Overloc         SHEARPIN         DESCRIPTION:         Allows the user to select whether the unit will	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> ad	<u>Type:</u> Read/Write <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write
OVERLOAD         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • Off: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20812 (514C hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Overloop         SHEARPIN         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> ad auto reset if a Shearpin Trip occurs. <u>MODBUS DECIMAL VALUE:</u>	<u>TYPE:</u> Read/Write <u>DEFAULT:</u> • ON (1) <u>TYPE:</u> Read/Write <u>DEFAULT:</u>
OVERLOAD         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • Off: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20812 (514C hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Overloop         SHEARPIN         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> ad auto reset if a Shearpin Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0	TYPE: Read/Write DEFAULT: • ON (1) TYPE: Read/Write DEFAULT:
OVERLOAD         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20812 (514C hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Overloc         SHEARPIN         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> auto reset if a Shearpin Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1	TYPE: Read/Write DEFAULT: • ON (1) TYPE: Read/Write DEFAULT: • ON (1)
OVERLOAD         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20812 (514C hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Overloc         SHEARPIN         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> auto reset if a Shearpin Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1	<u>Type:</u> Read/Write <u>DefAULT:</u> • ON (1) <u>Type:</u> Read/Write <u>DefAULT:</u> • ON (1)
OVERLOAD         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20812 (514C hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Overloc         SHEARPIN         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> auto reset if a Shearpin Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	TYPE: Read/Write DEFAULT: • ON (1) TYPE: Read/Write DEFAULT: • ON (1)
OVERLOAD         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20812 (514C hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Overloc         SHEARPIN         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will not auto reset.         • On: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20813 (514D hex )	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> auto reset if a Shearpin Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	TYPE: Read/Write DEFAULT: • ON (1) TYPE: Read/Write DEFAULT: • ON (1)
<ul> <li>OVERLOAD</li> <li><u>DESCRIPTION:</u> <ul> <li>Allows the user to select whether the unit will</li> <li><u>RANGE:</u></li></ul></li></ul>	auto reset if an Overload Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> ad auto reset if a Shearpin Trip occurs. <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	TYPE: Read/Write DEFAULT: • ON (1) TYPE: Read/Write DEFAULT: • ON (1)

PIC THERMISTOR <u>TYPE:</u>	•
DESCRIPTION: Re-	ad/Write
Allows the user to select whether the unit will auto reset if a PTC Thermistor Trip occurs.	
RANGE: MODBUS DECIMAL VALUE: DEFAU	ULT:
Off: The trip will not auto reset.     0	
• On: The trip will auto reset when the Reset • 1 • 0	ON (1)
	<b>)</b> (1)
MODBUS ADDRESS: MODBUS FORMAL:	
20814 ( 514E hex )	
<u>Touchscreen Menu Path:</u>	
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Trips $\rightarrow$ PTC Thermistor	
EXTERNAL <u>IYPE:</u>	
DESCRIPTION: Ref	ad/Write
Allows the user to select whether the unit will auto reset if an External Trip occurs.	
RANGE: MODBUS DECIMAL VALUE: DEFAU	ULT:
Off: The trip will not auto reset     O	
• On: The trip will auto reset when the Reset • 1	ON (1)
Delay reaches zero	)N (1)
MODBUS ADDRESS: MODBUS FORMAL:	
20815 ( 514F hex )	
<u>Touchscreen Menu Path</u> :	
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Trips $\rightarrow$ External	
COMMUNICATIONS <u>TYPE:</u>	•
DESCRIPTION: Ref	ad/Write
Allows the user to select whether the unit will auto reset if a Communications Trip occurs	5.
RANGE: MODBUS DECIMAL VALUE: DEFAU	ULT:
Off: The trip will not auto reset     O	
• On: The trip will auto reset when the Reset • 1	λN (1)
Delay reaches zero	)N (1)
MODBUS ADDRESS: MODBUS FORMAT:	
20813 ( 5150 hex )	
<u>Touchscreen Menu Path</u> :	
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Trips $\rightarrow$ Communications	
BYPASS <u>TYPE:</u>	-
DESCRIPTION: Ref	ad/Write
Allows the user to select whether the unit will auto reset if a Bypass Trip occurs.	
RANGE: MODBUS DECIMAL VALUE: DEFAI	ULT:
Off: The trip will not auto reset.     O	
• On: The trip will auto reset when the Reset • 1	) N (1)
• On the dip with dulo reset when the Reset • 1	211 (±)
Liolay roachoc zoro	
Delay reaches zero.	
Modbus Address:     Modbus Format:	
Delay reaches zero.         MODBUS ADDRESS:       MODBUS FORMAT:         20817 ( 5151 hex )	
Delay reaches zero.       MODBUS ADDRESS:       MODBUS FORMAT:         20817 ( 5151 hex )       TOUCHSCREEN MENU PATH:	

COVER		<u>ΤΥΡΕ:</u>
DESCRIPTION:		Read/Write
Allows the user to select whether the unit will	auto reset if a Cover Trip occurs.	
<u>Range:</u>	<u>Modbus Decimal Value:</u>	<u>DEFAULT:</u>
<ul> <li>Off: The trip will not auto reset.</li> </ul>	• 0	• OFF (0)
• On: The trip will auto reset when the Reset	• 1	
Delay reaches zero.		
Modbus Address:	<u>Modbus Format:</u>	
20818 ( 5152 hex )		
TOUCHSCREEN MENU PATH:		
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Trips $\rightarrow$ Cover		
PHASE ROTATION		<u>ΤΥΡΕ:</u>
Description:		Read/Write
Allows the user to select whether the unit will	auto reset if a Phase Rotation Trip of	ccurs.
<u>Range:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
• Off: The trip will not auto reset.	• 0	• OFF (0)
• On: The trip will auto reset when the Reset	• 1	
Delay reaches zero.		
Modbus Address:	<u>Modbus Format:</u>	
20820 ( 5154 hex )		
<u>Touchscreen Menu Path</u> :		
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Trips $\rightarrow$ Phase	Rotation	-
OPERATION 4		Түре:
OPERATION 4 DESCRIPTION:		<u>Type:</u> Read/Write
OPERATION 4 <u>DESCRIPTION:</u> Allows the user to select whether the unit will	auto reset if an Operation 4 Trip occi	<u>Type:</u> Read/Write urs.
OPERATION 4 <u>DESCRIPTION:</u> Allows the user to select whether the unit will RANGE:	auto reset if an Operation 4 Trip occi MODBUS DECIMAL VALUE:	<u>Type:</u> Read/Write urs. <i>DEFAULT:</i>
OPERATION 4 <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0	<u>Type:</u> Read/Write urs. <u>DefAult:</u>
<ul> <li>OPERATION 4</li> <li><u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u></li> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset</li> </ul>	auto reset if an Operation 4 Trip occu <u>Modbus Decimal Value:</u> • 0 • 1	<u>Type:</u> Read/Write urs. <u>Default:</u> • ON (1)
<ul> <li>OPERATION 4         <u>DESCRIPTION:</u>             Allows the user to select whether the unit will <u>RANGE:</u>             • Off: The trip will not auto reset.             • On: The trip will auto reset when the Reset Delay reaches zero.         </li> </ul>	auto reset if an Operation 4 Trip occu Modbus Decimal Value: • 0 • 1	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
<ul> <li>OPERATION 4         <u>DESCRIPTION:</u>             Allows the user to select whether the unit will <u>RANGE:</u> </li> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> <li><u>MODBUS ADDRESS:</u></li>	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
<ul> <li>OPERATION 4</li> <li><u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> 20821 (5155 hex)</li> </ul>	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write urs. <u>Default:</u> • ON (1)
<ul> <li>OPERATION 4</li> <li><u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.</li> </ul> </li> <li><u>MODBUS ADDRESS:</u> 20821 (5155 hex ) <u>TOUCHSCREEN MENU PATH</u>:</li> </ul>	auto reset if an Operation 4 Trip occu <u>Modbus Decimal Value:</u> • 0 • 1 <u>Modbus Format:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
<ul> <li>OPERATION 4         <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> <ul> <li>Off: The trip will not auto reset.</li> <li>On: The trip will auto reset when the Reset Delay reaches zero.         </li> <li><u>MODBUS ADDRESS:</u> 20821 (5155 hex )</li> </ul> </li> <li><u>TOUCHSCREEN MENU PATH</u>: Advanced → Auto Reset → Reset Trips → Operation</li> </ul>	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 4	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
<ul> <li>OPERATION 4         <u>DESCRIPTION:</u>         Allows the user to select whether the unit will <u>RANGE:</u>         • Off: The trip will not auto reset.         • Off: The trip will auto reset when the Reset Delay reaches zero.         <u>MODBUS ADDRESS:</u>         20821 (5155 hex )         <u>TOUCHSCREEN MENU PATH</u>:         Advanced → Auto Reset → Reset Trips → Opera         CURRENT SENSOR     </li> </ul>	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 4	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
OPERATION 4 <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero. <u>MODBUS ADDRESS:</u> 20821 (5155 hex ) <u>TOUCHSCREEN MENU PATH</u> :         Advanced → Auto Reset → Reset Trips → Opera         CURRENT SENSOR         DESCRIPTION:	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 4	<u>Type:</u> Read/Write Jrs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write
OPERATION 4         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • Off: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20821 (5155 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Opera         CURRENT SENSOR         DESCRIPTION:         Allows the user to select whether the unit will	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 4	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write
<ul> <li>OPERATION 4         <u>DESCRIPTION:</u>         Allows the user to select whether the unit will <u>RANGE:</u> <ul></ul></li></ul>	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 4 auto reset if a Current Sensor Trip oc	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs.
OPERATION 4         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20821 (5155 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Opera         CURRENT SENSOR         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 4 auto reset if a Current Sensor Trip oc <u>MODBUS DECIMAL VALUE:</u> • 0	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DEFAULT:</u>
OPERATION 4         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20821 (5155 hex)         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Opera         CURRENT SENSOR         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • Off: The trip will auto reset when the Reset	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 4 auto reset if a Current Sensor Trip oc <u>MODBUS DECIMAL VALUE:</u> • 0 • 1	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DEFAULT:</u> • ON (1)
OPERATION 4         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20821 (5155 hex)         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Opera         CURRENT SENSOR         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 4 auto reset if a Current Sensor Trip oc <u>MODBUS DECIMAL VALUE:</u> • 0 • 1	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DEFAULT:</u> • ON (1)
<ul> <li>OPERATION 4         <u>DESCRIPTION:</u>         Allows the user to select whether the unit will         <u>RANGE:</u> <ul></ul></li></ul>	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 4 auto reset if a Current Sensor Trip oc <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DEFAULT:</u> • ON (1)
OPERATION 4         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20821 (5155 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Opera         CURRENT SENSOR         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20822 (5156 hex )	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 4 auto reset if a Current Sensor Trip oc <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DEFAULT:</u> • ON (1)
OPERATION 4         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20821 (5155 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Opera         CURRENT SENSOR         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20822 (5156 hex )         TOUCHSCREEN MENU PATH:	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 4 auto reset if a Current Sensor Trip oc <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DEFAULT:</u> • ON (1)
OPERATION 4         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20821 (5155 hex)         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Opera         CURRENT SENSOR         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will not auto reset.         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20822 (5156 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Current	auto reset if an Operation 4 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 4 auto reset if a Current Sensor Trip oc <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> at sensor	<u>Type:</u> Read/Write Jrs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write ccurs. <u>DEFAULT:</u> • ON (1)

OPERATION 3		TYPE:
DESCRIPTION:		 Read/Write
Allows the user to select whether the unit will	auto reset if an Operation 3 Trip occ	urs.
RANGE:	Modbus Decimal Value:	DEFAULT:
Off: The trip will not auto reset.	• 0	
• On: The trip will auto reset when the Reset	• 1	• ON (1)
Delay reaches zero.		
MODBUS ADDRESS:	<u>Modbus Format:</u>	
20823 ( 5157 hex )		
TOUCHSCREEN MENU PATH:		
Advanced → Auto Reset → Reset Trips → Opera	tion 3	
		Tree
OPERATION 1		<u>TYPE:</u>
DESCRIPTION:		Read/Write
Allows the user to select whether the unit will	auto reset if an Operation 1 Trip occi	urs.
<u>RANGE:</u>	MODBUS DECIMAL VALUE:	<u>DEFAULT:</u>
• Off: The trip will not auto reset.	• 0	
On: The trip will auto reset when the Reset	• 1	• ON (1)
Delay reaches zero.		
MODBUS ADDRESS:	<u>MODBUS FORMAT:</u>	
20824 ( 5158 hex )		
TOUCHSCREEN MENU PATH:		
Advanced $\rightarrow$ Auto Reset $\rightarrow$ Reset Trips $\rightarrow$ Opera	tion 1	
OPERATION 2		<u>Type:</u>
OPERATION 2 DESCRIPTION:		<u>Type:</u> Read/Write
OPERATION 2 <u>DESCRIPTION:</u> Allows the user to select whether the unit will	auto reset if an Operation 2 Trip occ	<u>Type:</u> Read/Write urs.
OPERATION 2 <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u>	auto reset if an Operation 2 Trip occ <u>Modbus Decimal Value:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u>
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OPERATION 2 <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero. <u>MODBUS ADDRESS:</u> 20825 (5159 hex ) <u>TOUCHSCREEN MENU PATH</u> :         Advanced → Auto Reset → Reset Trips → Opera         OPERATION 5 <u>DESCRIPTION:</u> Allows the user to select whether the unit will	auto reset if an Operation 2 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 2 auto reset if an Operation 5 Trip occu	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write urs.
OPERATION 2 <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero. <u>MODBUS ADDRESS:</u> 20825 (5159 hex ) <u>TOUCHSCREEN MENU PATH</u> :         Advanced → Auto Reset → Reset Trips → Opera         OPERATION 5 <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> Off: The trip will not oute reset	auto reset if an Operation 2 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 2 auto reset if an Operation 5 Trip occu <u>MODBUS DECIMAL VALUE:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write urs. <u>DEFAULT:</u>
OPERATION 2 <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero. <u>MODBUS ADDRESS:</u> 20825 (5159 hex ) <u>TOUCHSCREEN MENU PATH</u> :         Advanced → Auto Reset → Reset Trips → Opera         OPERATION 5 <u>DESCRIPTION:</u> Allows the user to select whether the unit will <u>RANGE:</u> • Off: The trip will not auto reset.         • Operation will auto reset.	auto reset if an Operation 2 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 2 auto reset if an Operation 5 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write urs. <u>DEFAULT:</u>
OPERATION 2         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20825 (5159 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Opera         OPERATION 5         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset	auto reset if an Operation 2 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 2 auto reset if an Operation 5 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
OPERATION 2         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.         MODBUS ADDRESS:         20825 (5159 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Opera         OPERATION 5         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will not auto reset.         • On: The trip will auto reset when the Reset         Delay reaches zero.	auto reset if an Operation 2 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 2 auto reset if an Operation 5 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 MODBUS FORMAT:	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
OPERATION 2         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20825 (5159 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Opera         OPERATION 5         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20836 (E154 here)	auto reset if an Operation 2 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 2 auto reset if an Operation 5 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
OPERATION 2         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20825 (5159 hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Opera         OPERATION 5         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will not auto reset.         • On: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20826 (515A hex )         TOUCHSCESEN MENU PATH:	auto reset if an Operation 2 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 2 auto reset if an Operation 5 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)
OPERATION 2         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20825 (5159 hex)         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset → Reset Trips → Opera         OPERATION 5         DESCRIPTION:         Allows the user to select whether the unit will         RANGE:         • Off: The trip will not auto reset.         • On: The trip will not auto reset.         • Off: The trip will auto reset when the Reset Delay reaches zero.         MODBUS ADDRESS:         20826 (515A hex )         TOUCHSCREEN MENU PATH:         Advanced → Auto Reset Device Dev	auto reset if an Operation 2 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u> tion 2 auto reset if an Operation 5 Trip occu <u>MODBUS DECIMAL VALUE:</u> • 0 • 1 <u>MODBUS FORMAT:</u>	<u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1) <u>Type:</u> Read/Write urs. <u>DEFAULT:</u> • ON (1)

# **TRIP CODE DESCRIPTIONS**

	Trip Codes (from Trip Log)				
Number & Name	Description				
101 Input Side Phase Loss	<ul> <li>Phase L1 missing at the instant of start up.</li> <li>The L1 phase is either missing or at a very low level.</li> <li>Check all incoming connections.</li> <li>If a main contactor is being controlled by a digital output set to "Running," check that "Contactor Delay" (under "Start Settings") is sufficient.</li> </ul>				
102 Input Side Phase Loss	<ul> <li>Phase L2 missing at the instant of start up.</li> <li>The L2 phase is either missing or at a very low level.</li> <li>Check all incoming connections.</li> <li>If a main contactor is being controlled by a digital output set to "Running," check that "Contactor Delay" (under "Start Settings") is sufficient.</li> </ul>				
103 Input Side Phase Loss	<ul> <li>Phase L3 missing at the instant of start up.</li> <li>The L3 phase is either missing or at a very low level.</li> <li>Check all incoming connections.</li> <li>If a main contactor is being controlled by a digital output set to "Running," check that "Contactor Delay" (under "Start Settings") is sufficient.</li> </ul>				
104 - 117 Input Side Phase Loss	<ul> <li>Any or all phases missing when the motor is being controlled (running).</li> <li>L1, L2, or L3 are missing or at a very low level.</li> <li>Check all incoming connections.</li> <li>Check any fuses/breakers incorporated in the power circuit.</li> </ul>				
201 Maximum Temperature Exceeded	<ul> <li>Internal heatsink temperature has exceeded 80°C.</li> <li>It is possible the SR55 is operating outside specified limits.</li> <li>Check enclosure ventilation and airflow around the SR55.</li> <li>If the unit trips immediately, the internal temperature sensor could be faulty.</li> </ul>				
208 Thermal Sensor Trip	<ul><li>Thermal sensor failure.</li><li>The internal temperature sensor has failed.</li><li>Contact AutomationDirect.</li></ul>				
300-307 Thyristor Firing Trip	<ul> <li>One or more of the internal control thyristors (SCRs) have failed to turn on properly (In-Line "Firing Mode")</li> <li>The SR55 has detected that the SCRs are not operating as expected.</li> <li>Check all incoming and outgoing connections.</li> </ul>				
350-357 Thyristor Firing Trip	<ul> <li>One or more of the internal control thyristors (SCRs) have failed to turn on properly (Delta "Firing Mode").</li> <li>The SR55 has detected that the SCRs are not operating as expected.</li> <li>Check all incoming and outgoing connections.</li> </ul>				
401 Motor Side Phase Loss	<ul> <li>One or all of the phases are missing on the motor side during the instant of start up</li> <li>T1, T2, or T3 are missing or at a very low level.</li> <li>Check that the motor is connected to T1, T2 and T3.</li> <li>Ensure any disconnecting device between the SR55 and the motor is closed at the instant of start up.</li> </ul>				
402-403 Motor Side Phase Loss	<ul> <li>One or all of the phases are missing on the motor side during the instant of start up when the motor is being controlled.</li> <li>T1, T2 or T3 are missing or at a very low level.</li> <li>Check all incoming and outgoing connections.</li> </ul>				
601 Control Voltage Too Low	<ul> <li>The internal control supply of the SR55 level has fallen to a low level.</li> <li>Can be caused by a weak 24VDC/115VAC/230VAC control supply.</li> <li>Ensure 24VDC/115VAC/230VAC supply meets the requirements specified in "Electrical Installation" Chapter 2 or the Quick Start Guide.</li> </ul>				
701-710 Sensing Fault Trip	<ul><li>One or more of the internal control thyristors (SCRs) have failed to turn on properly.</li><li>The SR55 has detected that the SCRs are not operating as expected.</li><li>Check connections all incoming and outgoing connections.</li></ul>				
801-802 Fan Problem	<ul> <li>One or more of the internal cooling fans has failed.</li> <li>To ensure the heatsink is cooled sufficiently, the SR55 will trip if the fans fail to operate.</li> <li>Check SR55 fans for signs of damage or contamination.</li> </ul>				
1001 Short Circuit Thyristor	<ul> <li>One or more of the internal control thyristors (SCRs) have failed short circuit.</li> <li>The SR55 has detected that the SCRs are not operating as expected.</li> <li>Check all incoming and outgoing connections.</li> </ul>				
1101 Low Current Trip	<ul> <li>The motor current has been lower than the "Low Trip Level" for the "Low Trip Time" (under "Motor Protection").</li> <li>This trip is not active during soft start and soft stop and is "off" by default.</li> <li>If the Low Current Trip is not required, turn "off" in "Trip Settings."</li> </ul>				

Trip Codes from Trip Log (continued)				
Number & Name	Description			
1201 Current Limit Timeout Trip	The motor has been held in current limit longer than the "Start Current Limit Time." • It is likely that the current limit level has been set too low for the application. • Increase the current limit level or timeout period.			
1202 Current Limit Timeout Trip	<ul> <li>The motor has been held in current limit longer than the "Stop Current Limit Time."</li> <li>It is likely that the current limit level has been set too low for the application.</li> <li>Increase the current limit level or timeout period.</li> </ul>			
1301 Overload Trip	<ul> <li>The "Overload" has exceeded 100%.</li> <li>The SR55 is attempting to start an application that is outside its capacity or it is starting too often.</li> <li>Refer to the overload trip curves to determine whether the SR55 has been sized correctly.</li> </ul>			
1302 Overload Trip	<ul> <li>The motor current has exceeded 475% (i-SR55) for a time greater than 250ms.</li> <li>The SR55 is attempting to start an application that is outside its capacity with a "high current limit level" set.</li> <li>Refer to the overload trip curves to determine whether the SR55 has been sized correctly, and check current limit level.</li> </ul>			
1401 Shearpin Trip	<ul> <li>The motor current has been higher than the "Shearpin Trip Level" for the "Shearpin Trip Time."</li> <li>This trip is not active during soft start and soft stop, and is "off" by default.</li> <li>If "Shearpin Trip" is not required, turn "off" in "Trip Settings."</li> </ul>			
1501 PTC Thermistor Trip	<ul> <li>The PTC thermistor value has exceed the trip level (4kΩ).</li> <li>The PTC thermistor connected to the PTC input has exceeded its response temperature, or the PTC input is open circuit.</li> <li>If the PTC Trip is not required, turn "off" in "Trip Settings."</li> </ul>			
1701 Communications Trip	<ul> <li>Communications failure.</li> <li>A parameter has not been written to or polled in the time set in the "Timeout" period (under "Device Networks").</li> <li>If the "Communications Trip" is disabled, the SR55 will not be stopped by the communications failure.</li> </ul>			
1801-1802 Bypass Relay Trip	<ul> <li>One or more of the internal bypass relays has failed to close.</li> <li>The internal bypass relay has failed or the control supply is to weak.</li> <li>Ensure 24VDC supply meets the requirements specified in "Electrical Installation" Chapter 2 or the Quick Start Guide.</li> </ul>			
1803 Bypass Relay Trip	<ul> <li>One or more of the internal bypass relays has failed to open.</li> <li>The internal bypass relay has failed or the control supply is too weak.</li> <li>Ensure 24VDC supply meets the requirements specified in "Electrical Installation" Chapter 2 or the Quick Start Guide.</li> </ul>			
1901 Cover Open, Close to Enable Motor Start	<ul><li>The SR55 cover is open.</li><li>The cover is open or not closed properly.</li><li>Close cover, or if Cover Trip is not required, turn off in "Trip Settings."</li></ul>			
2001 Remote Start is Enabled	<ul> <li>The Remote Start signal is active.</li> <li>The "Start/Stop" signal was active during power up or Reset.</li> <li>Turn off "Start/Stop," or if Remote Start trip is not required, turn "off" in "Trip Settings."</li> </ul>			
2101 Rotation L1 L2 L3 Trip	<ul> <li>The input phase rotation is RYB (L1, L2,L3).</li> <li>The phase rotation is opposite to that required.</li> <li>Change phase rotation, or if "RYB" trip is not required, turn "off" in "Trip Settings."</li> </ul>			
2102 Rotation L1 L3 L2 Trip	<ul> <li>The input phase rotation is RBY (L1, L3,L2).</li> <li>The phase rotation is opposite to that required.</li> <li>Change phase rotation, or if "RBY" trip is not required turn "off" in "Trip Settings."</li> </ul>			
2013 Rotation Undetermined Trip	<ul> <li>The phase rotation is undetermined.</li> <li>The SR55 is unable to determine whether the input phase rotation is L1, L2, L3 or L1, L3, L2.</li> <li>Check all incoming and outgoing connections.</li> </ul>			
2201-2209 MPU Trip	<ul> <li>Internal SR55 Failure of the main processing unit.</li> <li>The SR55 has failed internally and is unable to recover automatically.</li> <li>Cycle the control supply.</li> <li>If the fault is not cleared, then contact AutomationDirect.</li> </ul>			

# FAIL SAFE CODES

### MAIN BOARD TRIP (2402 – 2436)

A trip number in the range of 2402 to 2436 indicates that a process on the main board has been affected in some way and is unable to recover automatically.

- The trip is turned ON and OFF via the "Main Board Trip" (Advanced / Trips).
- The default for this trip is ON.
- The trip MUST be reset using the either the digital input, touchscreen, or bus command depending on the Control Method set.
- As this is a special case, it is NOT possible to reset this trip by cycling the control supply.

Fail Safe Codes Associated with the Main Board			
Code #	Description		
2402	Initialization process has been unsuccessful.		
2404	Initialization of the Parameters has been unsuccessful.		
2406	Initialization of the Overload has been unsuccessful.		
2408	Initialization of the Parameter Read has been unsuccessful.		
2410	Initialization of the Overload Read has been unsuccessful.		
2412	Initialization of the Current measurement has been unsuccessful.		
2420	A main process on the Main Board has been affected and is unable to recover automatically.		
2422	A main process on the Main Board has been affected and is unable to recover automatically.		
2424	A main process on the Main Board has been affected and is unable to recover automatically.		
2426	Communication between the Main Board and Touchscreen Board has been affected and is unable to recover automatically.		
2428	The modbus communication has been affected and is unable to recover automatically.		
2430	The parameter save has been unsuccessful.		
2432	The logging function has been unsuccessful.		
2434	A main process on the Main Board has been affected and is unable to recover automatically.		
2436	The Anybus communication has been affected and is unable to recover automatically.		

## **TOUCHSCREEN TRIP (2501 – 2581)**

A trip number in the range of 2501 to 2581 indicates that a process on the touchscreen board has been affected in some way and is unable to recover automatically.

- The trip is turned ON and OFF via the "Touchscreen Trip" (Advanced / Trips).
- The default for this trip is OFF.
- With the trip OFF the touchscreen display may display the 'start up' screen momentarily as it recovers automatically.
- When the trip is turned ON it is reset using the either the digital input or touchscreen or bus command, depending on the Control Method set.
- It is possible to reset this trip by cycling the control supply.

Fail Safe Codes Associated with the Touchscreen Board				
Local Touchscreen Code	Remote Touchscreen Code	Description		
2501 – 2529	2551 – 2579	A main process on the Touchscreen Board has been affected.		
2530	2580	Communication between the Main board and Touchscreen Board has been affected.		
2531	2581	The touchscreen has become unresponsive.		



When a remote touchscreen is used the same trips can be generated. However, to discriminate between the remote and local (built in) 50 is added to each code.

### LOGGING TRIP (2601 - 2603)

Trip numbers that are in the range of 2601 to 2603 indicate that a process associated with the logging has been affected in some way and has been unable to recover automatically.

- The trip is turned ON and OFF via the "Logging Trip" (Advanced / Trips).
- The default for this trip is OFF.
- With the trip OFF, the logging function will temporarily be disabled if a continual failure is detected.
- When the trip is turned ON, it is reset using the either the digital input or keypad or bus command, depending on the Control Method set.
- It is possible to reset this trip by cycling the control supply.

Fail Safe Codes Associated with the Logging Function			
Code #	Description		
2601	The initialization of the event logging function has been unsuccessful for 20 consecutive attempts.		
2602	The event logging function has been unsuccessful for 20 consecutive attempts.		
2603	The SD card could not be accessed 20 consecutive attempts.		

### FAIL SAFE TRIP CODES

As part of the firmware upgrade procedure or if you experience a Fail Safe Trip we recommend the following steps:

Parameters have not been set or do not need to be retained.

- Upgrade firmware ( Device / Upgrade Firmware ). See Appendix A for more details.
- Set the defaults ( Device / Reset Default ).

Parameters have been set and need to be retained.

- Upgrade firmware ( Device / Upgrade Firmware ). See Appendix A for more details.
- Upload parameters to USB stick (Device / Parameters to USB). Ensure that the SR55 is NOT displaying ANY trip code. If a trip code is displayed then reset via the digital input, touchscreen, or bus command depending on the Control Method set.
- Set the defaults ( Device / Reset Default ).
- Down load the parameters from the USB stick to the SR55 (Device/Parameters from USB).
- Turn 'Touchscreen Trip' OFF ( Advanced / Trips).
- Turn 'Logging Trip' OFF (Advanced / Trips).
- Save Parameters ( Advanced / Save Parameters).

### SAVING AND LOADING AN SR55 CONFIGURATION FILE

Operating parameters of the unit can be copied onto a USB flash drive. To do this, attach the USB flash drive into the USB port under the front cover just above the touchscreen.



ADC part number USB-FLASH is a 4GB SanDisk USB flash drive that has been verified to work with the SR55. Other flash drives may be too wide to fit, or may not perform correctly.

From the Device Setting menu on the SR55 Home screen, scroll down to the third menu and select "Parameters to USB." This will construct a file called PARAMS.CSV, and copy it to a PARAM folder on the stick. There is no way to rename the file during the save process. If you have another PARAMS. CSV file on the flash drive, it will be overwritten. It is suggested that parameter files be archived in a separate folder with a unique name other than PARAM. A new parameter configuration must be configured on the SR55 and saved using the method described above. It is not recommended to open the .CSV file and edit parameters on a PC and resave the PARAMS file.

There is also the option to copy "Parameters From USB," which gives the ability to restore or set parameters to a known state. This function will only work on a file called PARAMS.CSV in the PARAM folder of the stick. Any other files in that folder will be ignored.

#### SAVING A LOG FILE

A log file is for AutomationDirect to help solve performance issues that may arise. From the Log menu on the Home screen, scroll down to the second menu and select "Download Log File." The LOG folder is created when the user connects a flash drive and selects "Download Log file" from the LOG menu. As an aid to help analyses, the log file(s) PARAMS.CSV is also created and copied into the LOG folder.