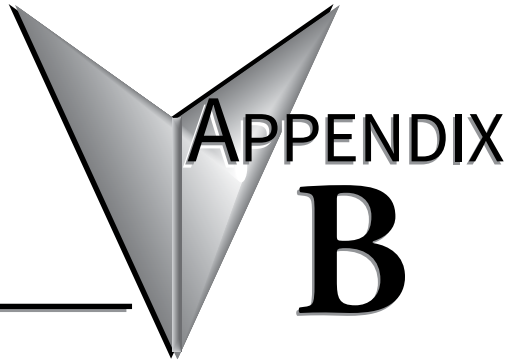


# MODBUS REGISTERS

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# Modbus Registers

**B**

Modbus Registers			
Modbus Register	Length (Words)	Description	Read / Write
400100	2	Variable #1 High Word	Read / Write
400101		Variable #1 Low Word	Read / Write
400102	2	Variable #2 High Word	Read / Write
400103		Variable #2 Low Word	Read / Write
400104	2	Variable #3 High Word	Read / Write
400105		Variable #3 Low Word	Read / Write
		etc	
400160	2	Variable #31 High Word	Read / Write
400161		Variable #31 Low Word	Read / Write
400162	2	Variable #32 High Word	Read / Write
400163		Variable #32 Low Word	Read / Write
400200	50	String Variable #1 (100 Bytes)	Read / Write
400250	50	String Variable #2 (100 Bytes)	Read / Write
400300	50	String Variable #3(100 Bytes)	Read / Write
400350	50	String Variable #4 (100 Bytes)	Read / Write
400400	50	String Variable #5 (100 Bytes)	Read / Write
400450	50	String Variable #6 (100 Bytes)	Read / Write
400500	50	String Variable #7 (100 Bytes)	Read / Write
400550	50	String Variable #8 (100 Bytes)	Read / Write
400600	50	String Variable #9 (100 Bytes)	Read / Write
400650	50	String Variable #10 (100 Bytes)	Read / Write
400700	50	String Variable #11 (100 Bytes)	Read / Write
400750	50	String Variable #12 (100 Bytes)	Read / Write
400800	50	String Variable #13 (100 Bytes)	Read / Write
400850	50	String Variable #14 (100 Bytes)	Read / Write
400900	50	String Variable #15 (100 Bytes)	Read / Write
400950	50	String Variable #16 (100 Bytes)	Read / Write
411000	256	Command String Buffer (512 Bytes max)	Read / Write
411500	256	Status Buffer (512 Bytes max)	Read / Write

## Appendix B: Modbus Registers

Modbus Registers Cont'd			
Modbus Register	Length (Words)	Description	Read / Write
445000	10	Display Model Number (16 char max)	Read
445010	10	ASCII Version String	Read
445020	10	Firmware Version String	Read
445050	3	Ethernet MAC Address	Read
445100	8	Customer Defined Display Name	Read
445108	1	Heartbeat Timeout (Seconds)	Read
445109	1	Option Flags (See Option Flags Table)	Read
445110	1	TCP/IP Port for Modbus (1-247)	Read
445111	1	TCP/IP Idle timeout (Seconds)	Read
445112	1	ID for ASCII Commands	Read
445200	2	IP Address	Read
445202	2	Subnet Mask	Read
445204	2	Default Gateway	Read
445206	2	DNS Server	Read
445300	1	Port 1 – Mode (RS-232)	Read
445301	1	Port 1 – Modbus ID (1-247)	Read
445302	2	Port 1 – Baud Rate	Read
445304	1	Port 1 – Parity (0=N, 1=Odd, 2=Even)	Read
445305	1	Port 1 – Data Bits (7 or 8)	Read
445306	1	Port 1 – Response Delay (ms)	Read
445307	1	Port 1 – RTS On Delay (ms)	Read
445308	1	Port 1 – RTS Off Delay (ms)	Read
445400	1	Port 2 – Mode (RS-485)	Read
445401	1	Port 2 – Modbus ID (1-247)	Read
445402	2	Port 2 – Baud Rate	Read
445404	1	Port 2 – Parity (0=N, 1=Odd, 2=Even)	Read
445405	1	Port 2 – Data Bits (7 or 8)	Read
445406	1	Port 2 – Response Delay (ms)	Read

B

## Option Flags

**B**

Option Flags (Read Only)	
Bit of Word 445109	Description
0x0001	Display Startup Banner
0x0008	Display Heartbeat Error on coms loss
0x0010	Disable ASCII Command Reply on Serial
0x0020	Enable DHCP for Ethernet Port
0x0040	Word Swap User Variables
0x0080	Byte Swap Strings
0x0100	Enable Diagnostics LED
0x0200	Orientation Fixed
0x0400	Fixed Upside Down
0x0800	Display Syntax Errors

## Supported Modbus Function Codes

Supported Modbus Function Codes	
Function Code	Description
03	Read Holding Registers
06	Write Single Holding Register
16	Write Multiple Holding Registers