

# AutomationDirect Controllers and ZIPLink™



## Modules



**Feedthrough Connector Modules**  
**ZL-RTB20**      **ZL-RTB40**      **ZL-RTB50**

Feedthrough modules provide low-cost and compact field wiring screw termination solutions for quickly connecting Link cables with PLCs.



**Fuse Modules**  
**ZL-RFU20**      **ZL-RFU40**

Fuse modules provide fuse protection for PLC output devices. The 16 and 32-point fuse modules include replaceable fuses and protective safety covers.



**24V DC-Powered Relay Module**  
**ZL-RRL16-24**

Our DC-powered relay module provides isolation, switches high current (10A) loads, is offered in 16 points, and includes diode protection to prevent voltage spikes at the relay coil from damaging connected PLC I/O



**Sensor Input Modules**  
**ZL-LTB16-24**      **ZL-LTB32-24**

LED modules provide simple and logical termination for 3-wire sensors or other devices. These modules offer visual LED indication of device input status for quick troubleshooting. The LED/sensor modules are available in 16 and 32-point versions.



Relays included  
**24VDC Stand-Alone Relay Modules**  
**ZL-RLS1-24**      **ZL-RLS4-24**

24 VDC stand-alone relay modules use plug-in relays for switching high current (10A) loads.



Relays included  
**120VAC Stand-Alone Relay Modules**  
**ZL-RLS1-12**      **ZL-RLS4-120**

120 VAC Stand alone relay modules use plug-in relays for switching high current (10A) loads.



**D-Sub Feedthrough Modules**  
**ZL-RTB-DB09**      **ZL-RTB-DB15**      **ZL-RTB-DB25**

These connector modules provide a fast and convenient method of transitioning between D-Sub connectors and field wiring devices.



**RJ12 Feedthrough Module**  
**ZL-RTB-RJ12**

The RJ12 feedthrough module provides convenient break-out of wiring to terminal blocks.



**24VDC and 120VAC Transorb Modules**  
**ZL-TSD8-24**      **ZL-TSD8-120**

8-channel devices used to suppress counter-electromotive force (CEMF) generated by switching inductive loads which can cause unexpected PLC system shutdown.



**Communication Distribution Modules**  
**ZL-CDM-RJ12X4**      **ZL-CDM-RJ12X10**

The RJ12 multi-port distribution modules allow for fast and convenient RS485 multi-drop connections.



**Communications Port Adapters**  
**ZL-CMA15L**      **ZL-CMA15**

Communication adaptors eliminate the hassle associated with connecting crimp or solder connectors to PLC communication ports.

Modules mount on 35 mm DIN rail part # DN-R35S1.

See Accessories in previous Terminal Blocks section

## Cables

- Pre-wired • Ready-to-wire • D-Subminiature • and more!

ZIPLink cables are available in a number of pre-wired and ready-to-wire configurations that accommodate the majority of our DirectLOGIC and CLICK PLC discrete I/O modules.



# ZIPLink Five-second PLC wiring system

Cut your PLC wiring time down to minutes instead of hours!

The ZIPLink system eliminates the normally tedious process of wiring I/O to terminal blocks. Simply plug one end of a ZIPLink cable into a controller I/O module and the other end into a ZIPLink connector module. It's that easy! ZIPLinks use half the space, at a fraction of the total cost of terminal blocks.

ZIPLinks are available in a variety of styles to suit your needs. Some are designed exclusively for DirectLOGIC, CLICK and Productivity3000 controllers, while others may be used with various other brands. ZIPLinks are available for our most popular discrete and analog input and output modules.

**DirectLOGIC, CLICK, Productivity3000 controllers:** Whether you want the ability to quickly wire simple point-to-point connections, or the ability to fuse, switch, or isolate your outputs, or the convenience of LED device status indication for monitoring your inputs, we have a ZIPLink module that is right for you.

**Other controller brands:** Use ZIPLink "pigtail" cables and connector modules to wire to most brands of PLCs or controllers. These cables are supplied with a "plug and play" connector on one end, and an unwired, color-coded wire bundle on the other end for user connection to the PLC or controller terminal block.

**D-subminiature connectors:** For PLCs, controllers, operator interfaces, or other devices utilizing D-subminiature connectors, we have standard ZIPLink cables and connector modules in 9, 15, and 25-pin male/female configurations for fast, convenient wiring.



**Specialty ZIPLink connector modules:** Got an RJ12 connector that you need to wire to? Use our RJ12 connector module. Need just a couple of additional relays in your PLC system? Try our relay modules. Having system problems due to transient noise generated from switching inductive loads? Try our transorb diode modules to clear up those problems fast.

## Specify your ZIPLink system

### Step 1:

**Locate the I/O module part number.**

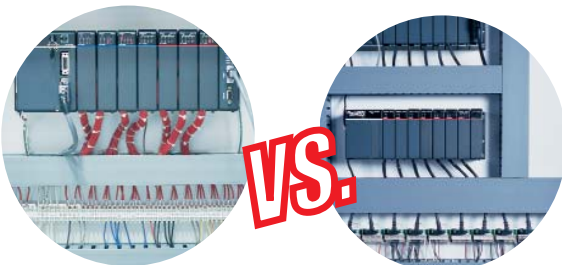
Use the Compatibility Matrix chart on the following pages to locate the I/O module part number.

(Note that discrete high current and RTD/THM modules are not supported by ZIPLinks and must be traditionally wired using terminal blocks such as DINnectors.)

### Step 2:

**Locate compatible connector module types.**

Use the cable numbers to locate compatible connector modules.



Hand-wire and connect each individual wire, over and over for each module

Which way would you like to do your wiring?

### Step 3:

**Determine which type of connector module**

Select the connector module type; feed-through, fuse, LED, etc.

### Step 4:

**Select cable length.**

Select the cable length by replacing the # symbol with: blank = 0.5m, -1=1.0m, -2=2.0m. ( Pigtail cable available in 1 and 2 meter lengths only)

### Step 5:

**Place your order!**

Pop on a ZIPLink and be done in seconds!

<b>Step 1</b>	Locate the CLICK CPU module or I/O module part number.
<b>Step 2</b>	Locate compatible connector module type.
<b>Step 3</b>	Select the cable length by replacing the # symbol with: Blank = 0.5m, -1 = 1.0m, -2 = 2.0m (Pigtail cables in 1 and 2 meter lengths only)

ZIPLink Wiring System Compatibility Matrix for CLICK PLCs					
Step 2: Connector Module Type		Feedthrough Module	Fuse Module	Relay Modules	Sensor Input Module
Step 1: I/O unit	Number of Terminals	Step 3: Cables			
<b>CPU Module</b>	<b>CO-00DD1-D</b>	20	ZL-CO-CBL20#		
	<b>CO-00DD2-D</b>	20	ZL-CO-CBL20#		
	<b>CO-00DR-D</b>	20	ZL-CO-CBL20#		
	<b>CO-00AR-D</b>	20	ZL-CO-CBL20#		
<b>I/O Module</b>	<b>Inputs</b>				
	<b>CO-08ND3</b>	11	ZL-CO-CBL11#		
	<b>CO-08ND3-1</b>	11	ZL-CO-CBL11#		
	<b>CO-08NA</b>	11	ZL-CO-CBL11#		
	<b>CO-16ND3</b>	20	ZL-CO-CBL20#		ZL-CO-CBL20#
	<b>Outputs</b>				
	<b>CO-08TD1</b>	11	ZL-CO-CBL11#		
	<b>CO-08TD2</b>	11	ZL-CO-CBL11#		
	<b>CO-08TR</b>	11	ZL-CO-CBL11#		
	<b>CO-08TA</b>	11	ZL-CO-CBL11#		
	<b>CO-16TD1</b>	20	ZL-CO-CBL20#	ZL-CO-CBL20#	ZL-CO-CBL20#
	<b>CO-16TD2</b>	20	ZL-CO-CBL20#	ZL-CO-CBL20#	
	<b>CO-04TRS*</b>	20	ZL-CO-CBL20#		

\*Note: The CO-04TRS relay output is derated not to exceed 2A per point max. when used with the ZIPLink wiring system

ZIPLink Connector Modules specifications follow the Compatibility Matrix tables.

ZIPLink Cables specifications are at the end of this ZIPLink section.

<b>Step 1</b>	Locate the I/O Module part number.
<b>Step 2</b>	Locate Connector Module Type. (Feedthrough Module, Fuse Module, etc...)
<b>Step 3</b>	Select the cable length by replacing the # symbol with: Blank = 0.5m, -1 = 1m, -2 = 2m <sup>1</sup> (Pigtail cables in 1 and 2 meter lengths only)
<sup>1</sup> Note: Cable part number denotes compatibility between Connector Module and I/O Modules.	

DL05/06 PLCs ZIPLink Wiring System Compatibility Matrix						
Step 2: Connector Module Type		Feedthrough Modules	Fuse Modules	Relay Modules	Sensor Input Modules	Pigtail Cable
Step 1: I/O Module	Number of Terminals	ZL-RTB20	ZL-RFU20	ZL-RRL16-24	ZL-LTB16-24	
Step 3: Cables						
<b>Inputs</b>						
<b>DO-10ND3</b>	13	ZL-DO-CBL13#				
<b>DO-10ND3F</b>	13	ZL-DO-CBL13#				
<b>DO-16ND3</b>	24	ZL-DO-CBL24#L			ZL-DO-CBL24#L	ZL-DO-CBL24#P
<b>FO-08NA-1</b>	10	ZL-DO-CBL10#				
<b>Outputs</b>						
<b>DO-10TD1</b>	13	ZL-DO-CBL13#				
<b>DO-16TD1</b>	24	ZL-DO-CBL24#	ZL-DO-CBL24#	ZL-DO-CBL24#		ZL-DO-CBL24#P
<b>DO-10TD2</b>	13	ZL-DO-CBL13#				
<b>DO-16TD2</b>	24	ZL-DO-CBL24#	ZL-DO-CBL24#			ZL-DO-CBL24#P
<b>DO-08TR</b>	10	ZL-DO-CBL10#				
<b>FO-04TRS*</b>	13	ZL-DO-CBL13#				
<b>Combo In/Out</b>						
<b>DO-07CDR</b>	10	ZL-DO-CBL10#				
<b>DO-08CDD1</b>	13	ZL-DO-CBL13#				
<b>Analog</b>						
<b>FO-04AD-1</b>	8	ZL-DO-CBL8#				
<b>FO-04AD-2</b>	8	ZL-DO-CBL8#				
<b>FO-08ADH-1</b>	13	ZL-DO-CBL13#				
<b>FO-08ADH-2</b>	13	ZL-DO-CBL13#				
<b>FO-04DAH-1</b>	13	ZL-DO-CBL13#				
<b>FO-08DAH-1</b>	13	ZL-DO-CBL13#				
<b>FO-04DAH-2</b>	13	ZL-DO-CBL13#				
<b>FO-08DAH-2</b>	13	ZL-DO-CBL13#				
<b>FO-2AD2DA-2</b>	8	ZL-DO-CBL8#				
<b>FO-4AD2DA-1</b>	8	ZL-DO-CBL8#				
<b>FO-4AD2DA-2</b>	8	ZL-DO-CBL8#				
<b>FO-04RTD**</b>						
<b>FO-04THM**</b>						

**\*Caution:** The FO-04TRS relay outputs are derated not to exceed 2 Amps per point when used with the ZIPLink wiring system.

**\*\*The F2-04RTD and F2-04THM modules are not supported by the ZIPLink wiring system. These modules require wire specific to the signal type.**

ZIPLink Connector Modules specifications follow the Compatibility Matrix tables.

ZIPLink Cables specifications are at the end of this ZIPLink section.

<b>Step 1</b>	Locate the I/O module part number.
<b>Step 2</b>	Locate Connector Module Type. (Feedthrough Module, Fuse Module, etc...)
<b>Step 3</b>	Select the cable length by replacing the # symbol with: Blank = 0.5m, -1 = 1.0m, -2 = 2.0m <sup>1</sup> (Pigtail cables in 1 and 2 meter lengths only)

<sup>1</sup>Note: Cable part number denotes compatibility between Connector Module and I/O Modules.

DL205 PLCs ZIPLink Wiring System Compatibility Matrix									
Step 2: Connector Module Type		Feedthrough Modules		Fuse Modules		Relay Modules	Sensor Input Modules		Pigtail Cable
Step 1: I/O Module	Number of Terminals	ZL-RTB20	ZL-RTB40	ZL-RFU20	ZL-RFU40	ZL-RRL16-24	ZL-LTB16-24	ZL-LTB32-24	
Step 3: Cables									
Inputs									
D2-08ND3	10	ZL-D2-CBL10#							
D2-16ND3-2	19	ZL-D2-CBL19#					ZL-D2-CBL19#		ZL-D2-CBL19#P
D2-32ND3	40		ZL-D24-CBL40#					ZL-D24-CBL40#	ZL-D24-CBL40#P
D2-32ND3-2	40		ZL-D24-CBL40#					ZL-D24-CBL40#	ZL-D24-CBL40#P
D2-08NA-1	10	ZL-D2-CBL10#							
D2-08NA-2	10	ZL-D2-CBL10#							
D2-16NA	19	ZL-D2-CBL19#							ZL-D2-CBL19#P
Outputs									
D2-04TD1*	10	ZL-D2-CBL10#							
D2-08TD1	10	ZL-D2-CBL10#							
D2-08TD2	10	ZL-D2-CBL10#							
D2-16TD1-2	19	ZL-D2-CBL19#		ZL-D2-CBL19#		ZL-D2-CBL19#			ZL-D2-CBL19#P
D2-16TD2-2	19	ZL-D2-CBL19#		ZL-D2-CBL19#					ZL-D2-CBL19#P
D2-32TD1	40		ZL-D24-CBL40#		ZL-D24-CBL40#				ZL-D24-CBL40#P
D2-32TD2	40		ZL-D24-CBL40#		ZL-D24-CBL40#				ZL-D24-CBL40#P
D2-08TA	10	ZL-D2-CBL10#							
F2-08TA	10	ZL-D2-CBL10#							
D2-12TA	19	ZL-D2-CBL19#		ZL-D2-CBL19#					ZL-D2-CBL19#P
D2-04TRS*	10	ZL-D2-CBL10#							
D2-08TR	10	ZL-D2-CBL10#							
F2-08TRS*	19	ZL-D2-CBL19#							ZL-D2-CBL19#P
F2-08TR**	10	ZL-D2-CBL10#							
D2-12TR	19	ZL-D2-CBL19#		ZL-D2-CBL19#					ZL-D2-CBL19#P
Combo In/Out									
D2-08CDR	10	ZL-D2-CBL10#							
Analog									
F2-04AD-1	10	ZL-D2-CBL10#							
F2-04AD-1L	10	ZL-D2-CBL10#							
F2-08AD-1	10	ZL-D2-CBL10#							
F2-04AD-2	10	ZL-D2-CBL10#							
F2-04AD-2L	10	ZL-D2-CBL10#							
F2-08AD-2	10	ZL-D2-CBL10#							
F2-02DA-1	10	ZL-D2-CBL10#							
F2-02DA-1L	10	ZL-D2-CBL10#							
F2-02DAS-1	10	ZL-D2-CBL10#							
F2-08DA-1	19	ZL-D2-CBL19#							ZL-D2-CBL19#P
F2-02DA-2	10	ZL-D2-CBL10#							
F2-02DA-2L	10	ZL-D2-CBL10#							
F2-02DAS-2	10	ZL-D2-CBL10#							
F2-08DA-2	10	ZL-D2-CBL10#							
F2-4AD2DA	10	ZL-D2-CBL10#							
F2-8AD4DA-1	19	ZL-D2-CBL19#							ZL-D2-CBL19#P
F2-8AD4DA-2	19	ZL-D2-CBL19#							ZL-D2-CBL19#P
F2-04RTD***									
F2-04THM***									

\*Caution: The D2-04TD1, D2-04TRS, and F2-08TRS outputs are derated not to exceed 2 Amps per point and 2 Amps per common when used with the ZIPLink wiring system.

\*\*The F2-08TR outputs are derated not to exceed 2 Amps per point and 4 Amps per common when used with the ZIPLink wiring system.

\*\*\*The F2-04RTD and F2-04THM modules are not supported by the ZIPLink wiring system. These modules require wire specific to the signal type.

ZIPLink Connector Modules specifications follow the Compatibility Matrix tables.

ZIPLink Cables specifications are at the end of this ZIPLink section.

<b>Step 1</b>	Locate the I/O module part number.
<b>Step 2</b>	Locate Connector Module Type. (Feedthrough Module, Fuse Module, etc...)
<b>Step 3</b>	Select the cable length by replacing the # symbol with: Blank = 0.5m, -1 = 1.0m, -2 = 2.0m <sup>1</sup> (Pigtail cables in 1 and 2 meter lengths only)
<sup>1</sup> Note: Cable part number denotes compatibility between Connector Module and I/O Modules.	

DL305 PLCs ZIPLink Wiring System Compatibility Matrix					
Step 2: Connector Module Type		Feedthrough Modules	Fuse Modules	Relay Modules	Sensor Input Modules
Step 1: I/O Module	Number of Terminals	ZL-RTB20	ZL-RFU20	ZL-RRL16-24	ZL-LTB16-24
		Step 3: Cables			
<b>Inputs</b>					
D3-08ND2*	10				
D3-16ND2-1	18	ZL-D3-CBL18#			
D3-16ND2F	18	ZL-D3-CBL18#			
F3-16ND3F	18	ZL-D3-CBL18#			
D3-08NA-1*	10				
D3-08NA-2*	10				
D3-16NA	18	ZL-D3-CBL18#			
D3-08NE3*	10				
D3-16NE3	18	ZL-D3-CBL18#			ZL-D3-CBL18#
<b>Outputs</b>					
D3-04TD1*	10				
D3-08TD1*	10				
D3-08TD2*	10				
D3-16TD1-1	18	ZL-D3-CBL18#	ZL-D3-CBL18#	ZL-D3-CBL18#	
D3-16TD2	18	ZL-D3-CBL18#	ZL-D3-CBL18#		
D3-04TAS*	10				
F3-08TAS-1	18	ZL-D3-CBL18#			
D3-08TA-1	18	ZL-D3-CBL18#			
D3-08TA-2*	10				
F3-16TA-2	18	ZL-D3-CBL18#	ZL-D3-CBL18#		
D3-16TA-2	18	ZL-D3-CBL18#	ZL-D3-CBL18#		
D3-08TR*	10				
D3-16TR**	18	ZL-D3-CBL18#	ZL-D3-CBL18#		
F3-08TRS-1**	18	ZL-D3-CBL18#			
F3-08TRS-2**	18	ZL-D3-CBL18#			
<b>Analog</b>					
F3-04ADS	18	ZL-D3-CBL18#			
F3-08AD-1	18	ZL-D3-CBL18#			
F3-16AD	18	ZL-D3-CBL18#			
F3-04DA-1	18	ZL-D3-CBL18#			
F3-04DAS	18	ZL-D3-CBL18#			
F3-08THM-J***					
F3-08THM-K***					

\*These I/O modules have non-removable terminal blocks which can be terminated using the ZL-CBL24-N cable and the ZL-RTB20 module of the ZIPLink wiring system.

\*\*Caution: The D3-16TR, F3-08TRS-1 and F3-08TRS-2 relay outputs are derated not to exceed 2 Amps per point and 4 Amps per common when used with the ZIPLink wiring system.

\*\*\*The F3-08THM-J and F3-08THM-K modules are not supported by the ZIPLink wiring system. These modules require wire specific to the signal type.

ZIPLink Connector Modules specifications follow the Compatibility Matrix tables.

ZIPLink Cables specifications are at the end of this ZIPLink section.

<b>Step 1</b>	Locate the I/O module part number.
<b>Step 2</b>	Locate Connector Module Type. (Feedthrough Module, Fuse Module, etc...)
<b>Step 3</b>	Select the cable length by replacing the # symbol with: Blank = 0.5m, -1 = 1.0m, -2 = 2.0m <sup>1</sup> (Pigtail cables in 1 and 2 meter lengths only)
<sup>1</sup> Note: Cable part number denotes compatibility between Connector Module and I/O Modules.	

DL405 PLCs ZIPLink Wiring System Compatibility Matrix									
I/O Module	Step 2: Connector Module Type	Feedthrough Modules		Fuse Modules		Relay Modules	Sensor Input Modules		Pigtail Cable
	Number of Terminals	ZL-RTB20	ZL-RTB40	ZL-RFU20	ZL-RFU40	ZL-RRL16-24	ZL-LTB16-24	ZL-LTB32-24	
Step 3: Cables									
<b>Inputs</b>									
D4-08ND3S	20	ZL-D4-CBL20#							
D4-16ND2	20	ZL-D4-CBL20#					ZL-D4-CBL20#		
D4-16ND2F	20	ZL-D4-CBL20#					ZL-D4-CBL20#		
D4-32ND3-1	40		ZL-D24-CBL40#					ZL-D24-CBL40#	ZL-D24-CBL40#P
D4-32ND3-2	40		ZL-D24-CBL40#					ZL-D24-CBL40#	ZL-D24-CBL40#P
D4-64ND2*	40		ZL-D24-CBL40#					ZL-D24-CBL40#	ZL-D24-CBL40#P
D4-08NA**	11								
D4-16NA	20	ZL-D4-CBL20#							
D4-16NA-1	20	ZL-D4-CBL20#							
D4-16NE3	20	ZL-D4-CBL20#					ZL-D4-CBL20#		
F4-08NE3S	20	ZL-D4-CBL20#							
<b>Outputs</b>									
D4-08TD1**	11								
F4-08TD1S**	20								
D4-16TD1	20	ZL-D4-CBL20#		ZL-D4-CBL20#					
D4-16TD2	20	ZL-D4-CBL20#		ZL-D4-CBL20#					
D4-32TD1	40		ZL-D24-CBL40#		ZL-D24-CBL40#				ZL-D24-CBL40#P
D4-32TD1-1	40		ZL-D24-CBL40#		ZL-D24-CBL40#				ZL-D24-CBL40#P
D4-32TD2	40		ZL-D24-CBL40#		ZL-D24-CBL40#				ZL-D24-CBL40#P
D4-64TD1*	40		ZL-D24-CBL40#		ZL-D24-CBL40#				ZL-D24-CBL40#P
D4-08TA**	11								
D4-16TA	20	ZL-D4-CBL20#		ZL-D4-CBL20#					
D4-08TR**	11								
F4-08TRS-1****	20	ZL-D4-CBL20#							
F4-08TRS-2****	20	ZL-D4-CBL20#							
D4-16TR***	20	ZL-D4-CBL20#		ZL-D4-CBL20#					
<b>Analog</b>									
F4-04AD	20	ZL-D4-CBL20#							
F4-04ADS	20	ZL-D4-CBL20#							
F4-08AD	20	ZL-D4-CBL20#							
F4-16AD-1	20	ZL-D4-CBL20#							
F4-16AD-2	20	ZL-D4-CBL20#							
F4-04DA-1	20	ZL-D4-CBL20#							
F4-04DA-2	20	ZL-D4-CBL20#							
F4-08DA-1	20	ZL-D4-CBL20#							
F4-16DA-1	20	ZL-D4-CBL20#							
F4-08DA-2	20	ZL-D4-CBL20#							
F4-16DA-2	20	ZL-D4-CBL20#							
F4-04DAS-1	20	ZL-D4-CBL20#							
F4-04DAS-2	20	ZL-D4-CBL20#							
F4-08THM**	21								
F4-08THM-n**	21								
F4-08RTD**	20								

\*The D4-64ND2 and D4-64TD1 modules have two 32-point connectors and require 2 ZIPLink cables and 2 ZIPLink connector modules.

\*\*These modules are not supported by the ZIPLink wiring system.

\*\*\*Caution: The D4-16TR relay outputs are derated not to exceed 2 Amps per point and 4 Amps per common when used with the ZIPLink wiring system.

\*\*\*\*The F4-08TRS-1 and F4-08TRS-2 are derated not to exceed 2 Amps per point and 2 Amps per common when used with the ZIPLink wiring system.

ZIPLink Connector Modules specifications follow the Compatibility Matrix tables.

ZIPLink Cables specifications are at the end of this ZIPLink section.

<b>Step 1</b>	Locate the I/O module part number.
<b>Step 2</b>	Locate Connector Module Type. (Feedthrough Module, Fuse Module, etc...)
<b>Step 3</b>	Select the cable length by replacing the # symbol with: Blank = 0.5m, -1 = 1.0m, -2 = 2.0m <sup>1</sup> (Pigtail cables in 1 and 2 meter lengths only)
<sup>1</sup> Note: Cable part number denotes compatibility between Connector Module and I/O Modules.	

ZIPLink Wiring System Compatibility Matrix for Productivity3000									
Step 2: Connector Module Type		Feedthrough Modules		Fuse Modules		Relay Modules	Sensor Input Modules		Pigtail Cable
Step 1: I/O Module	Number of Terminals	ZL-RTB20	ZL-RTB40	ZL-RFU20	ZL-RFU40	ZL-RRL16-24	ZL-LTB16-24	ZL-LTB32-24	
<b>Step 3: Cables</b>									
<b>Inputs</b>									
<b>P3-08NAS</b>	20	ZL-P3-CBL20#							ZL-P3-CBL20-#P
<b>P3-08ND3S</b>	20	ZL-P3-CBL20#							ZL-P3-CBL20-#P
<b>P3-16NA</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-16ND3</b>	20	ZL-P3-CBL20-#L					ZL-P3-CBL20-#L		ZL-P3-CBL20-#P
<b>P3-32ND3</b>	40		ZL-CBL40#					ZL-CBL40#	
<b>P3-64ND3*</b>	40		ZL-CBL40#					ZL-CBL40#	
<b>Outputs</b>									
<b>P3-08TAS</b>	20	ZL-P3-CBL20#							ZL-P3-CBL20-#P
<b>P3-08TD1S</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-08TD2S</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-08TRS</b>	20	ZL-P3-CBL20#							ZL-P3-CBL20-#P
<b>P3-16TA</b>	20	ZL-P3-CBL20#		ZL-P3-CBL20-#L					ZL-P3-CBL20-#P
<b>P3-16TD1</b>	20	ZL-P3-CBL20#		ZL-P3-CBL20#		ZL-P3-CBL20#			ZL-P3-CBL20-#P
<b>P3-16TD2</b>	20	ZL-P3-CBL20#		ZL-P3-CBL20#					ZL-P3-CBL20-#P
<b>P3-16TR</b>	20	ZL-P3-CBL20#		ZL-P3-CBL20#					ZL-P3-CBL20-#P
<b>P3-08TRS-1***</b>	20	ZL-P3-CBL20#		ZL-P3-CBL20#					ZL-P3-CBL20-#P
<b>P3-32TD1</b>	40		ZL-CBL40#		ZL-CBL40#				
<b>P3-32TD2</b>	40		ZL-CBL40#		ZL-CBL40#				
<b>P3-64TD1*</b>	40		ZL-CBL40#		ZL-CBL40#				
<b>P3-64TD2*</b>	40		ZL-CBL40#		ZL-CBL40#				
<b>Analog In</b>									
<b>P3-04ADS</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-08AD</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-16AD-1</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-16AD-2</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-08RTD**</b>	Matched Only								
<b>P3-08THM**</b>	T/C Wire Only								
<b>Analog Out</b>									
<b>P3-04DA</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-08DA-1</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-08DA-2</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-06DAS-1</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-06DAS-2</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-16DA-1</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-16DA-2</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>Analog Combo</b>									
<b>P3-8AD4DA-1</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P
<b>P3-8AD4DA-2</b>	20	ZL-P3-CBL20-#L							ZL-P3-CBL20-#P

\*The P3-64ND3, P3-64TD1, and P3-64TD2 modules have two 32-point connectors and require 2 ZIPLink cables and 2 ZIPLink connector modules.

\*\*These modules are not supported by the ZIPLink wiring system.

\*\*\*The P3-08TRS-1 output module is derated, not to exceed 2A per point maximum when used with the ZIPLink wiring system.

# GS/DuraPulse/SureServo Drive Wiring Solutions

Drive Communication Cable Selection	
<b>Step 1</b>	Select Drive
<b>Step 2</b>	Select Network Type Protocol
<b>Step 3</b>	Select PLC Type
<b>Step 4</b>	Select Port
<b>Step 5</b>	Cable Type

*Note: If a PLC type or PLC port is not listed in the selection charts, it does not support modbus RTU.*

Step1: Select Drive	Step3: PLC	CLICK	DL05	DL06	
	Step 4: Port	Port 2	Port 2	Port 1	Port 2
GS1	Step 2: Network Type Protocol	Step 5: Select Cable Type			
	RS485 Modbus RTU	Not Possible	Not Possible	Not Possible	GS-485HD15-CBL
GS2	RS232 Modbus RTU	Not Possible	GS-RJ12-CBL-2	Not Possible	FA-15HD + GS-RJ12-CBL-2
	RS485 Modbus RTU	Not Possible	Not Possible	Not Possible	GS-485HD15-CBL
DuraPulse	RS485 Modbus RTU	Not Possible	Not Possible	Not Possible	GS-485HD15-CBL
SureServo	RS232 Modbus RTU	SVC-232RJ12-CBL-2	SVC-232RJ12-CBL-2	Not Possible	FA-15HD + SVC-232RJ12-CBL-2
	RS485 Modbus RTU	Not Possible	Not Possible	Not Possible	SVC-485HD15-CBL-2

Step1: Select Drive	Step3: PLC	D2-250-1	D2-260		D4-450
	Step 4: Port	Port 2	Port 1	Port 2	Port 3
GS1	Step 2: Network Type Protocol	Step 5: Cable Type			
	RS485 Modbus RTU	Not Possible	Not Possible	GS-485HD15-CBL-2	Not Possible
GS2	RS232 Modbus RTU	FA-15HD + GS-RJ12-CBL-2	Not Possible	FA-15HD + GS-RJ12-CBL-2	FA-CABKIT + GS-RJ12-CBL-2
	RS485 Modbus RTU	Not Possible	Not Possible	GS-485HD15-CBL-2	Not Possible
DuraPulse	RS485 Modbus RTU	Not Possible	Not Possible	GS-485HD15-CBL-2	Not Possible
SureServo	RS232 Modbus RTU	FA-15HD + SVC-232RJ12-CBL-2	Not Possible	FA-15HD + SVC-232RJ12-CBL-2	FA-CBLKIT + SVC-232RJ12-CBL-2
	RS485 Modbus RTU	Not Possible	Not Possible	SVC-485HD15-CBL-2	Not Possible

Feedthrough Connector Module ZL-RTB50 Connecting Cables		
Part Number	Description	Price
ZL-SVC-CBL50	Shielded twisted pair cable with 50-pin connectors to connect any SureServo amplifier to a ZL-RTB50 module, 28 AWG, 1.6 ft. (0.5m)	<--->
ZL-SVC-CBL50-1	Shielded twisted pair cable with 50-pin connectors to connect any SureServo amplifier to a ZL-RTB50 module, 28 AWG, 3.3 ft. (1.0m)	<--->
ZL-SVC-CBL50-2	Shielded twisted pair cable with 50-pin connectors to connect any SureServo amplifier to a ZL-RTB50 module, 28 AWG, 6.6 ft. (2.0m)	<--->

*ZIPLink Connector Modules specifications follow the Compatibility Matrix tables.*

*ZIPLink Cables specifications are at the end of this ZIPLink section.*