

Communication adaptors eliminate the hassle associated with connecting crimp or solder connectors to PLC communication ports. The communication adapters offer fast and convenient screw terminal connections for the DL06, D2-250-1 and D2-260 CPUs.

The ZL-CMA15L adapter offers transmit and receive LEDs, a jumper selectable network termination resistor, and circuit surge protection.



ZL-CMA15



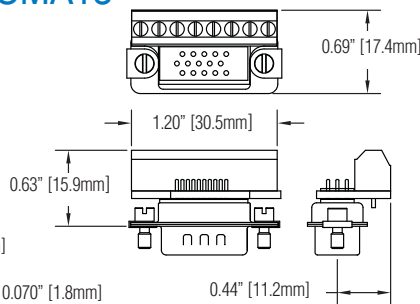
ZL-CMA15L

Specifications						
Communication Port Adapters	Part #	Pcs/Pkg	Price/Pkg	Part #	Pcs/Pkg	Price/Pkg
	ZL-CMA15	1	<--->	ZL-CMA15L	1	<--->
Description	DL06, D2-250-1 and D2-260 PLC Port 2 adapter: HD 15-pin D-sub to terminal block					
Approvals	File # E200031 Approved for use in Class 1 Division 2, Groups A, B, C, D Hazardous Locations					
Communications Interface	RS232, RS422, RS485					
Indication Transmit Data	N/A			Green LED		
Indication Receive Data	N/A			Green LED		
RS232 Surge Protection	N/A			2 Circuits clamped by zener transient voltage suppressors		
RS422/485 Surge Protection	N/A			4 Circuits clamped by low capacitance zener diodes		
RS422/485 Network Termination Resistor	N/A			Jumper Selectable 120Ω		
Voltage Rating*	30VDC					
Maximum Current per Circuit	1A					
Supported Signal Types	RS422/485 TXD+		RS422/485 TXD-			
	RS422/485 RXD+		RS422/485 RXD-			
	RS232 TXD,		RS232 RXD			
	+5VDC PWR		Ground			
Terminal Block Contacts	Copper alloy, tin-lead plating					
Wire Range (Rated Cross Section)**	16-30AWG Solid or Stranded Conductor (1.5mm ²)			16-28AWG Solid or Stranded Conductor (1.5mm ²)		
Wire Strip Length	0.24-0.27" (6-7mm)					
Screw Torque	1.7 in-lbs (0.2 Nm)					
Operating Temperature Range	32 to 140°F (0 to 60°C)					
Dimensions (W x H x D)	1.20" x 0.69" x 0.63" (30.5mm x 17.4 mm x 15.9mm)			1.31" x 0.64" x 2.72" (33.2mm x 16.2 mm x 69.2mm)		

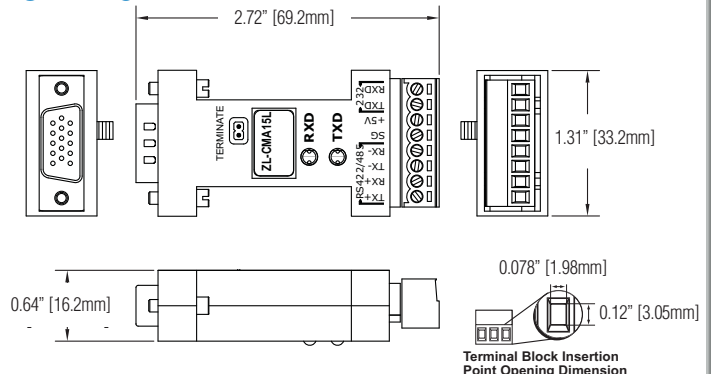
* Use Class 2 power supply.

** Use conductors rated for 60°/75°C.

ZL-CMA15



ZL-CMA15L



Terminal Block Insertion Point Opening Dimension

Terminal Block Insertion Point Opening Dimension

Note: See wiring details and dimensional drawings on our Web site at:
<http://www.automationdirect.com/static/manuals/ziplinks/ziplinks.html>

Step 1	Locate the I/O Module part number.
Step 2	Locate Connector Module Type. (Feedthrough Module, Fuse Module, etc...)
Step 3	Select the cable length by replacing the # symbol with: Blank = 0.5m, -1 = 1m, -2 = 2m ¹
¹ 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						
Inputs						
DO-10ND3	13	ZL-D0-CBL13#				
DO-10ND3F	13	ZL-D0-CBL13#				
DO-16ND3	24	ZL-D0-CBL24#L			ZL-D0-CBL24#L	ZL-D0-CBL24#P
FO-08NA-1	10	ZL-D0-CBL10#				
Outputs						
DO-10TD1	13	ZL-D0-CBL13#				
DO-16TD1	24	ZL-D0-CBL24#	ZL-D0-CBL24#	ZL-D0-CBL24#		ZL-D0-CBL24#P
DO-10TD2	13	ZL-D0-CBL13#				
DO-16TD2	24	ZL-D0-CBL24#	ZL-D0-CBL24#			ZL-D0-CBL24#P
DO-08TR	10	ZL-D0-CBL10#				
FO-04TRS*	13	ZL-D0-CBL13#				
Combo In/Out						
DO-07CDR	10	ZL-D0-CBL10#				
DO-08CDD1	13	ZL-D0-CBL13#				
Analog						
FO-04AD-1	8	ZL-D0-CBL8#				
FO-04AD-2	8	ZL-D0-CBL8#				
FO-08ADH-1	13	ZL-D0-CBL13#				
FO-08ADH-2	13	ZL-D0-CBL13#				
FO-04DAH-1	13	ZL-D0-CBL13#				
FO-08DAH-1	13	ZL-D0-CBL13#				
FO-04DAH-2	13	ZL-D0-CBL13#				
FO-08DAH-2	13	ZL-D0-CBL13#				
FO-2AD2DA-2	8	ZL-D0-CBL8#				
FO-4AD2DA-1	8	ZL-D0-CBL8#				
FO-4AD2DA-2	8	ZL-D0-CBL8#				
FO-04RTD**						
FO-04THM**						

*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 begin on page 26-56

ZIPLink Cables specifications begin on page 26-74

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

DL405 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									
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#							
Outputs									
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#					
Analog									
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.

ZIPLinks Connector Modules specifications begin on page 26-56

ZIPLinks Cables specifications begin on page 26-74