



# Communication Port Adapters

Communication adapters eliminate the hassle associated with connecting crimp or solder connectors to PLC communication ports and 9-pin serial ports. The communication adapters offer fast and convenient screw terminal connections for the DL06 CPUs, Advantech Modbus gateways and other devices with D-sub ports.

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



ZL-CMA9



ZL-CMA15



ZL-CMA15L

Specifications			
Communication Port Adapters	ZL-CMA9	ZL-CMA15	ZL-CMA15L
<b>Pcs/Pkg</b>	1	1	1
<b>Price/Pkg</b>	\$24.00	\$18.00	\$55.00
<b>Weight (lbs)</b>	ZL-CMA9: 0.03 M to M adapter: 0.02	0.04	0.06
<b>Description</b>	ZIPLink port adapter communication module, 1 port, 9-position terminal block to 9-pin D-sub female. Includes 9-pin D-sub male to male adapter.		DL06, D2-250-1 and D2-262 PLC Port 2 adapter: HD 15-pin D-sub to terminal block
<b>Communications Interface</b>	RS232, RS422, RS485		
<b>Indication Transmit Data</b>	N/A	N/A	Green LED
<b>Indication Receive Data</b>	N/A	N/A	Green LED
<b>RS232 Surge Protection</b>	N/A	N/A	2 Circuits clamped by Zener transient voltage suppressors
<b>RS422/485 Surge Protection</b>	N/A	N/A	4 Circuits clamped by low capacitance Zener diodes
<b>RS422/485 Network Termination Resistor</b>	N/A	N/A	Jumper Selectable 120Ω
<b>Voltage Rating <sup>1</sup></b>	30VDC		
<b>Maximum Current per Circuit</b>	1A		
<b>Supported Signal Types</b>	RS422/485 TXD+ RS422/485 RXD+ RS232 TXD, +5VDC PWR	RS422/485 TXD- RS422/485 RXD- RS232 RXD Ground	
<b>Terminal Block Contacts</b>	Copper alloy, tin-lead plating		
<b>Wire Range (Rated Cross Section) <sup>2</sup></b>	16–30 AWG Solid or Stranded Conductor (1.5 mm <sup>2</sup> )		16–28 AWG Solid or Stranded Conductor (1.5 mm <sup>2</sup> )
<b>Wire Strip Length</b>	0.19–0.24 in [5–6 mm]	0.24–0.27 in [6–7 mm]	
<b>Screw Torque</b>	1.7 in·lbs [0.2 N·m]		
<b>Operating Temperature Range</b>	32 to 140°F [0 to 60°C]		
<b>Drawing Link</b>	PDF	PDF	PDF
<b>Approvals</b>	EN 61010-1, EN61010-2-201	EN 61010-1, EN61010-2-201 File # E200031 Approved for use in Class 1 Division 2, Groups A, B, C, D Hazardous Locations	

<sup>1</sup> Use Class 2 power supply.

<sup>2</sup> Use conductors rated for 60°/75°C.



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