



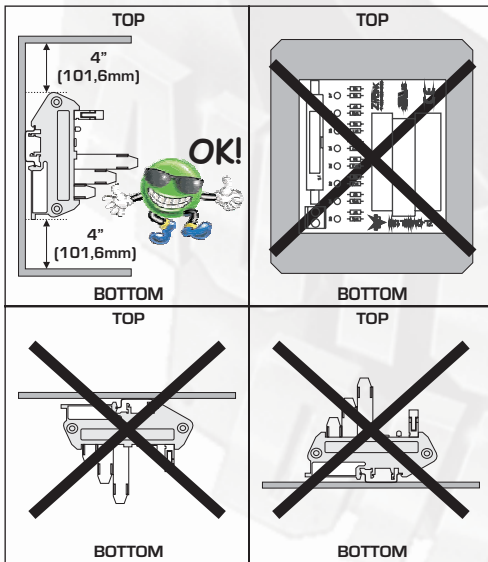
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Relay Connector Module ZL-CM08RL24 Cables and PLC I/O Modules

PLC Type	Cable Type	PLC I/O Module Type	Connector Module Type
DL205	ZL-2CBL1	D2-08TD1	ZL-CM08RL24
DL205	ZL-2CBL1	D2-08TD2	ZL-CM08RL24
DL205	ZL-2CBL1	D2-08TR	ZL-CM08RL24

Mounting Orientation:



ZL-CM08RL24

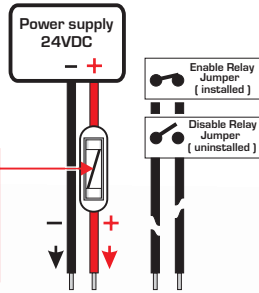
WARNING : WIRE ONLY ACCORDING TO WIRING DIAGRAMS SHOWN BELOW TO AVOID CAUSING DAMAGE TO THE PLC OR CONNECTOR MODULE. MATCH THE CORRECT COMBINATION OF CABLE, PLC I/O MODULE, AND CONNECTOR MODULE AS SHOWN.

DC-Powered Relay Modules	
Part Number	ZL-CM08RL24
Description	8-channel relay module w/LEDs
Approvals	UL/CUL/CE
Operating Range, Coil	0 - 24VDC
Input Current per Channel	25mA ±5%
Coil Supply Voltage	24VDC±5%
Coil Supply Current Max	200mA
Pickup Current	16.7mA
Switching Speed	60Hz
Wire Range (Rated Cross Section)	14 - 30 AWG (0.2 - 2.5mm ²) 75°C min.
Contact Type	1 Form C (SPDT)
Contact Voltage (per point)	250VAC/30VDC
Contact Current (per point)	10A (25°)
Coil/Contact Isolation	2500VAC (up to 1min.)
Operating Temperature	-10°C to +45°C
OFF to ON/ON to OFF Response	15ms/5ms
Life Mechanical Contact	2x10 ⁶ th
Maximum Switching Voltage	400Vca 125Vcc
Maximum Current for Relay	10A(25°C)
Maximum Power, Inductive	ca1500VA cc 150W
Maximum Power, Resistive	ca2500VA cc 300W
Minimum Load	100mA 5Vcc
Channel to Channel/Contact Isolation	1000VAC (up to 1 min.)
Terminal Block Contact	Copper alloy, tin lead plating
Dimensions (L x W x H)	5.78"(147mm)x3.66"(93mm)x 2.87"(73mm)
Spare Relays	ZL-RELAY-24
Spare Relay Clips	ZL-RELAY-KIT

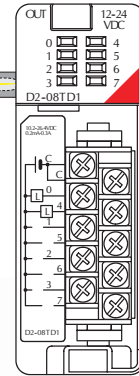
Wiring Diagram: Power Supply and Cable

PLC DL205 Type D2-08TD1
DC Output I/O Module

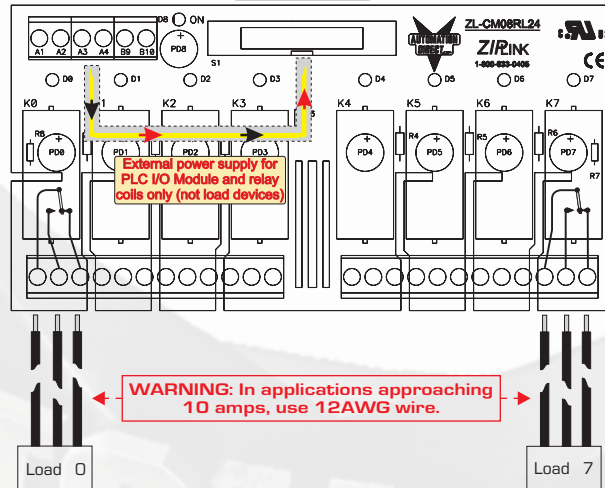
Warning :
It is recommended to install a 2 Amp fast blow fuse in series with the power supply as an extra safety measure. Use a fuse terminal block such as a DINnector DN-F10 or DN-F10L



Cable ZL-2CBL1



ZL-CM08RL24



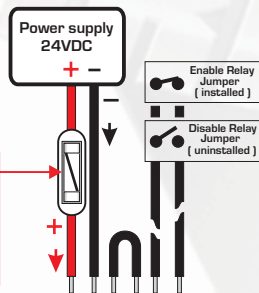
WARNING: In applications approaching 10 amps, use 12AWG wire.

I/O Module Output Octal Address 0 corresponds to RELAY 0
I/O Module Output Octal Address 1 corresponds to RELAY 1
I/O Module Output Octal Address 2 corresponds to RELAY 2
I/O Module Output Octal Address 3 corresponds to RELAY 3
I/O Module Output Octal Address 4 corresponds to RELAY 4
I/O Module Output Octal Address 5 corresponds to RELAY 5
I/O Module Output Octal Address 6 corresponds to RELAY 6
I/O Module Output Octal Address 7 corresponds to RELAY 7

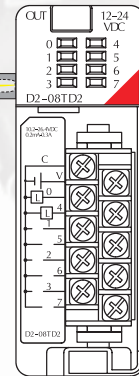
Wiring Diagram: Power Supply and Cable

PLC DL205 Type D2-08TD2
DC Output I/O Module

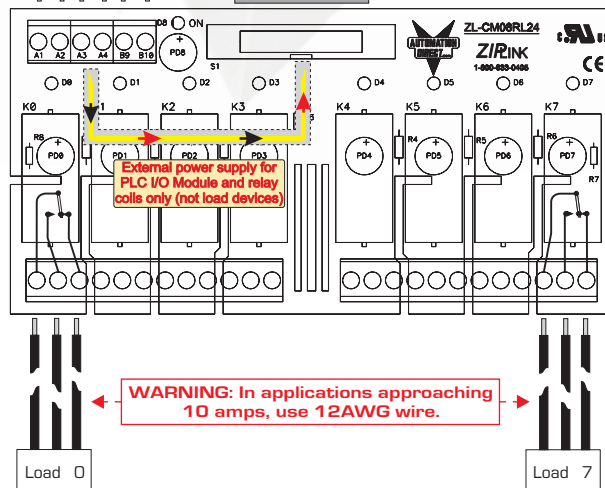
Warning :
It is recommended to install a 2 Amp fast blow fuse in series with the power supply as an extra safety measure. Use a fuse terminal block such as a DINnector DN-F10 or DN-F10L



Cable ZL-2CBL1



ZL-CM08RL24



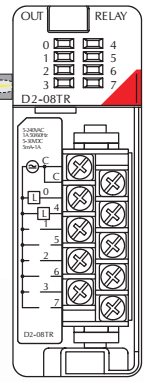
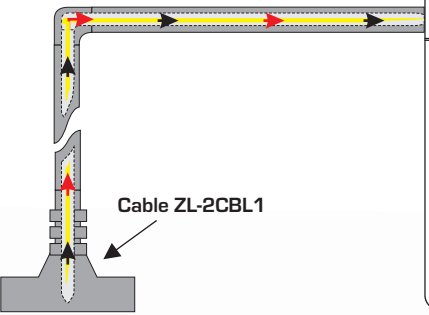
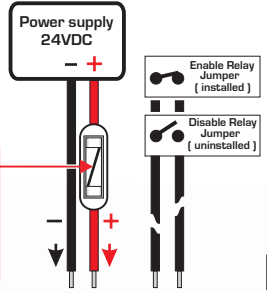
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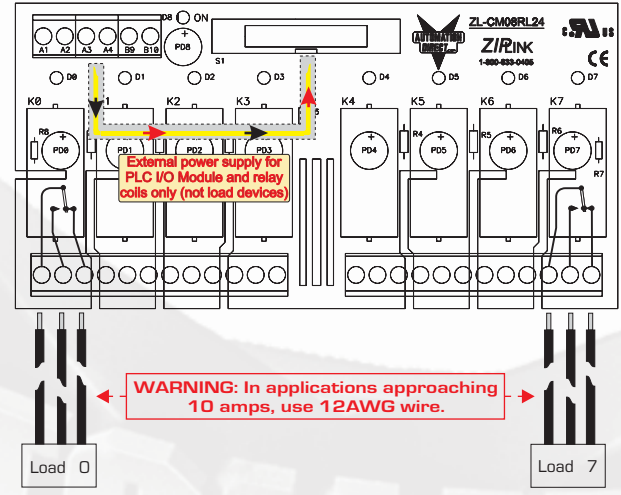
Wiring Diagram: Power Supply and Cable

PLC DL205 Type D2-08TR
 DC Output I/O Module

Warning:
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ZL-CM08RL24



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- I/O Module Output Octal Address 7 corresponds to RELAY 7

