 Relay Connector Module ZL-CM16RL24A
Cables and PLC I/O Modules

<table>
<thead>
<tr>
<th>PLC Type</th>
<th>Cable Type</th>
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<th>Connector Module Type</th>
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<td>DL205</td>
<td>ZL-2CBL2</td>
<td>D2-16TD1-2</td>
<td>ZL-CM16RL24A</td>
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<tr>
<td>DL205</td>
<td>ZL-2CBL2</td>
<td>D2-16TD2-2</td>
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<tr>
<td>DL305</td>
<td>ZL-3CBL2FR16</td>
<td>D3-16TD1-1</td>
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</table>

Mounting Orientation:

**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 | Description                  | Approvals   | Operating Range, Coil | Input Current per Channel | Coil Supply Voltage | Coil Supply Current Max | Pickup Current | Switching Speed | Contact Type | Contact Voltage (per point) | Contact Current (per point) | Coil/Contact Isolation | Operating Temperature | OFF to ON/ON to OFF Response | Life Mechanical Contact | Maximum Switching Voltage | Maximum Current for Relay | Maximum Power, Inductive | Maximum Power, Resistive | Minimum Load | Channel to Channel/Contact Isolation | Terminal Block Contact | Dimensions (L x W x H) | Spare Relays | Spare Relay Clips |
|-------------|-------------------------------|-------------|-----------------------|---------------------------|------------------------|------------------------|-----------------|-----------------|--------------|----------------------------|--------------------------|------------------------|------------------------|----------------------------|------------------------|------------------------|------------------------|--------------------------|------------------------|------------------------|------------------------|--------------------------|------------------------|------------------------|
| ZL-CM16RL24A| 16-channel relay module w/LEDs, 20 pin IDC | UL/CUL/CE   | 0 - 24VDC             | 25mA ±5%                   | 24VDC±5%               | 350mA                  | 16.7mA         | 60Hz            | 1 Form C (SPDT) | 250VAC/30VDC               | 10A                      | 2500VAC (up to 1 min.) | -10°C to +45°C          | 15ms/5ms                  | 2x10 6th                | 400Vca 125Vcc              | 10A                    | ca1500VA cc 150W          | ca2500VA cc 300W          | 100mA 5Vcc              | 1000VAC (up to 1 min.) | Copper alloy, tin-lead plating | 11.574"(294mm)x3.36"(93mm)x 2.87"(73mm) | ZL-RELAY-24 | ZL-RELAY-KIT             |

To download fullsize color .pdf Ziplink Wiring Diagrams go to www.Automationdirect.com website
**Wiring Diagram: Power Supply and Cable**

**PLC DL 205**

**Type D2-16TD2-2**

**DC Output**

**I/O Module**

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**Power supply 24V dc**

**Enable Relay Jumper** (installed)

**Disable Relay Jumper** (uninstalled)

**Cable ZL-2CBL2**

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**ZL-CM16RL24A**

**Warning:** It is recommended to install a 3 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.

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**ZL-CM16RL24A**

**REV 1.4**

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