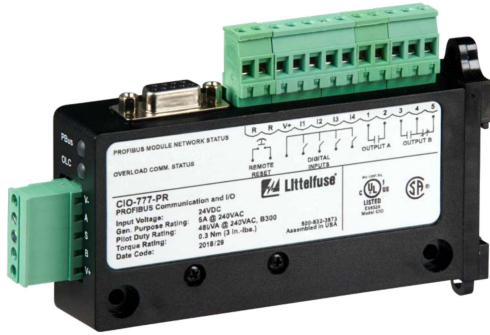
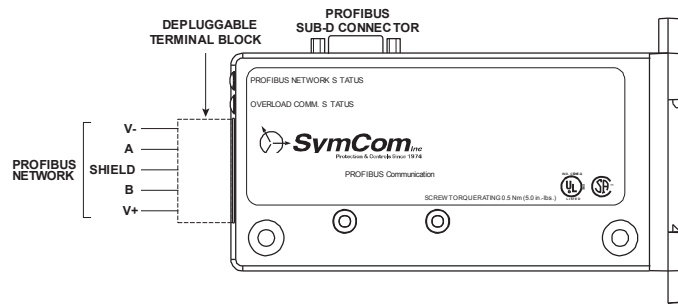


# CIO-777-PR

## Communication Link to PLC/SCADA/ Monitoring Systems



### Wiring Diagram



For dimensional drawing see: Appendix, page 507, Figure 3.

### Description

The CIO-777-PR Module is a convenient and cost-effective Profibus interface capable of providing discrete control and monitoring of motor starters, drives and other devices over a Profibus network.

### Features & Benefits

| FEATURES                                                                                                                      | BENEFITS                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Compact size</b><br>3.4" H x 1.0" W x 5.46" D                                                                              | Easily adapts to existing as well as new applications                                          |
| <b>Flexible addressing standard allows function as stand-alone interface or in conjunction with 777 series overload relay</b> | Provides flexibility for control and monitoring                                                |
| <b>Remote reset option</b>                                                                                                    | Additional remote reset input allows user to reset 777 series relays without opening the panel |
| <b>DIN rail or surface mountable</b>                                                                                          | Allows installation flexibility                                                                |
| <b>Built in sub-D connector</b>                                                                                               | Provides a quick and easy connection to a network and reduces field wiring                     |

### Specifications

#### Input Characteristics

##### Power Requirements

|                          |                                    |
|--------------------------|------------------------------------|
| <b>Voltage (nominal)</b> | 12-24VDC                           |
| <b>Current</b>           | 150mA (max.)                       |
| <b>Power</b>             | 3.6 W (max.)                       |
| <b>Digital Inputs</b>    |                                    |
| <b>Voltage Range</b>     | 12-24VAC                           |
| <b>Maximum Current</b>   | 2mA (typical)                      |
| <b>Remote Reset</b>      | 24VDC, 10mA, (min.), NO pushbutton |

#### Output Characteristics

##### Form A & Form C Contactors

|                        |                      |
|------------------------|----------------------|
| <b>Pilot Duty</b>      | 480VA @ 240VAC, B300 |
| <b>General Purpose</b> | 5A @ 240VAC          |

#### General Characteristics

##### Ambient Temperature Range

|                                                     |                                              |
|-----------------------------------------------------|----------------------------------------------|
| <b>Operating</b>                                    | -20° to 70°C (-4° to 158°F)                  |
| <b>Storage</b>                                      | -40° to 80°C (-40° to 176°F)                 |
| <b>Relative Humidity</b>                            | 10-95%, non-condensing per IEC 68-2-3        |
| <b>Wire Gauge</b>                                   | Solid or stranded, 12-20 AWG                 |
| <b>Terminal Torque</b>                              | 3 in.-lbs.                                   |
| <b>Hi-Potential Test (relays to other circuits)</b> | Meets UL508 (2 x rated V + 1000V for 1 min.) |

#### EMC Standards

|                                           |                                                                                                                |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Electrostatic Discharge (ESD)</b>      | IEC 61000-4-2, Level 3, 6kV contact, 8kV air                                                                   |
| <b>Radio Frequency Immunity, Radiated</b> | 150 MHz, 10V/m                                                                                                 |
| <b>Fast Transient Burst</b>               | IEC 61000-4-4, Level 3, 4kV input power                                                                        |
| <b>Safety Marks</b>                       |                                                                                                                |
| <b>UL, ULC Listed</b>                     | UL508 (File #E68520)                                                                                           |
| <b>CSA</b>                                | C22.2 (File #46510)                                                                                            |
| <b>Enclosure</b>                          | Polycarbonate                                                                                                  |
| <b>Dimensions</b>                         | <b>H</b> 86.36 mm (3.4"); <b>W</b> 25.4 mm (1.0");<br><b>D</b> 138.68 mm (5.46")<br>(w/depluggable connectors) |
| <b>Weight</b>                             | 0.25 lb. (4 oz., 113.4 g)<br>(w/depluggable connectors)                                                        |
| <b>Mounting Methods</b>                   | DIN Rail or surface mount (w/ two #8 screws)                                                                   |