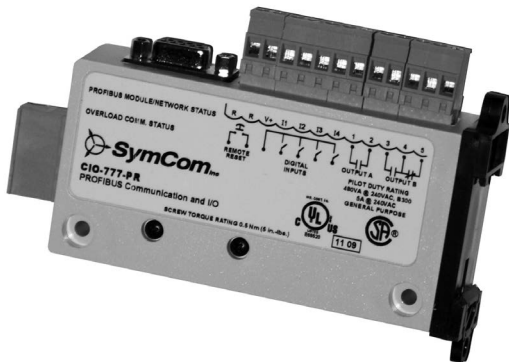


# CIO-777-PR

Communication link to PLC/SCADA/  
monitoring systems



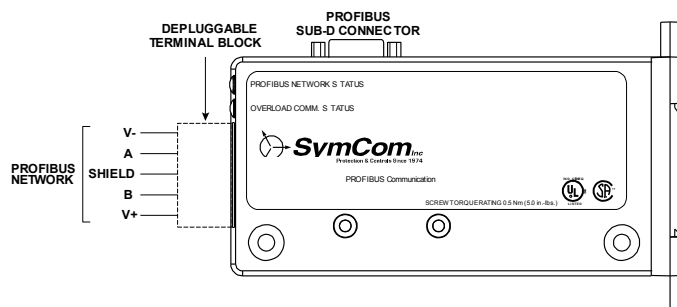
## Description

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                     |

## Wiring Diagram



## 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

|  |  |
|--|--|
| <b>Ambient Temperature Range</b>                       |  |
| <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</b><br>(relays to other circuits) | 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)   |

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