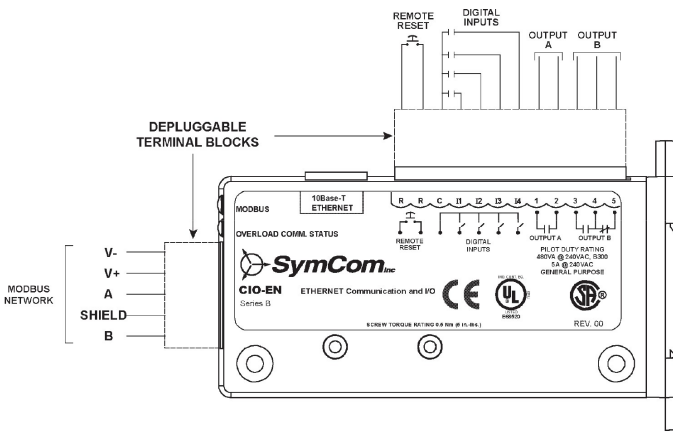


# CIO-EN

## Communication Link to PLC/SCADA/ Monitoring Systems



### Wiring Diagram



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

### Description

The CIO-EN Module (non-POE) is a convenient and cost-effective Modbus-TCP and Modbus-RTU interface capable of providing discrete control and monitoring of an overload relay over a Modbus network.

### Features & Benefits

FEATURES	BENEFITS
<b>Compact size</b> 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 Ethernet jack</b>	Reduces field wiring

### Specifications

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COMMUNICATION MODULES

#### Input Characteristics

##### Power Requirements:

<b>Voltage</b>	24VDC +10%
<b>Current</b>	95mA (max.) 70mA (typical)
<b>Power</b>	2.28 W (max.) 1.7 W (typical)

##### Digital Inputs

##### General Purpose (4)

<b>Voltage Range</b>	12-24VDC
<b>Current</b>	2mA (typical)

##### Functional Specifications

##### Remote Reset (for use with optional 777 Series)

Normally open pushbutton rated 24VDC, 10mA (min.)

##### Ethernet Controller

IEEE 802.3

##### Capability

10Base-T

##### Output Characteristics

##### SPDT (1), SPST (1)

480VA & 240VAC, B300

##### General Purpose

5A @ 240VAC

##### General Characteristics

##### Ambient Operating

Temperature -20° to 70°C (-4° to 158°F)

#### Terminal (depluggable terminal block)

##### Torque

3 in.-lbs. (max.)

##### Wire AWG

12-20 AWG

##### Class of Protection

IP20, NEMA 1 (finger safe)

##### Relative Humidity

10-95%, non-condensing per IEC 68-2-3

##### Standards Passed

##### Electrostatic Discharge (ESD)

IEC 61000-4-2, Level 3, 6kV contact, 8kV air

##### Radio Frequency

##### Immunity, Radiated

150 MHz, 10V/m

##### Fast Transient Burst

IEC 61000-4-4, Level 3, 4kV input power

##### Hi-Potential Test

Meets UL508 (2 x rated V + 1000V for 1 min)

##### Surge

##### Input Power

IEC 61000-4-5, Level 1

##### Inputs/Data Lines

IEC 61000-4-5, Level 2

##### Safety Marks

##### UL

UL508 (File #E68520)

##### CSA

C22.2 (File #46510)

##### CE

IEC 60947-6-2

##### Enclosure

Polycarbonate

##### Dimensions

**H** 86.36 mm (3.4"); **W** 25.4 mm (1.0");

**D** 138.68 mm (5.46")

##### Weight

0.25 lb. (4 oz., 113.4 g)

##### Mounting Methods

DIN Rail or surface mount (w/two #8 screws)