Ethernet to 4 Optically Isolated Inputs / 4 Form C Relay Outputs Digital Interface Adapter, with PoE (802.3af)

Part: 120PoE | **Model:** eI/O PLC-8

Control and monitor four optically isolated inputs and four high-current Form C relay outputs via any 10/100BaseT Ethernet connection with the eI/O-120PoE digital I/O module. Inputs can range from 5-30VDC and provide 3500VDC (2500VAC RMS) isolation to ground, while the high-current Form C relays can switch up to 6A loads at 200VAC and up to 5A at 60VDC. Each Form C relay has a discrete common and includes normally-open and normally-closed contact connections. Each pair of inputs shares a common and field wiring is simplified via 3.5mm field removable terminal blocks.

The eI/O-120PoE is a Class 0 (IEEE 802.3af-2003) Power over Ethernet device. This allows power and data to be transferred over a single CAT5 cable and eliminates the need for an external power supply. With PoE, power can be supplied by power sourcing equipment including PoE injectors (midspans) and switches (endspans).

Ready for DIN rail mounting, the eI/O-120PoE includes a removable plastic clip that snaps onto 35mm DIN rail. The clip can also be attached to any flat surface such as a wall or under a counter. Standard operating temperature range of eI/O Ethernet digital I/O modules is 0C to +70C. Status LEDS on the front show power and I/O activity. Additionally, LEDs on the RJ45 connector display Ethernet link and communication activity.

Communicate with eI/O Ethernet digital I/O modules using industry standard Modbus TCP protocol or use the Sealevel SeaMAX API software libraries from your application program. Sealevel's SeaMAX software drivers and utilities make installation and operation easy using Microsoft Windows operating systems.

The Sealevel Modbus Connect app for iOS allows you to access the registers, coils and discrete I/O of your Sealevel Modbus devices and is available on the App Store. Use the app to remotely access I/O in the field or for testing and troubleshooting during application development. The Sealevel Mod+ Connect app is an easy-to-use diagnostic utility that allows you to monitor, test and troubleshoot Sealevel eI/O and SeaI/O modules using your iPhone or iPod touch.

Features & Specifications

Ethernet to 4 Optically Isolated Inputs / 4 Form C Relay Outputs Digital Interface Adapter, with PoE (802.3af)

Part: 120PoE | **Model:** eI/O PLC-8

Features

- 10/100BaseT Ethernet Modbus TCP interface
- 4 optically isolated inputs provide protection against surges and ground loops
- 4 high-current SPDT Form C relays can switch up to 5A at 60VDC
- Field wiring is simplified via removable 3.5mm terminal blocks compatible with 16-30 AWG wire
- Ready for DIN rail mounting, removable plastic clip snaps onto 35mm DIN rail or can be attached to walls and other surfaces with optional screws
- Optional removable spring-clamp terminal blocks available for I/O connections
- PoE version allows power and data over a single CAT5 cable, eliminating the need for an external power supply
- Status LEDs display power, Ethernet link and I/O activity
- Sealevel SeaMAX software supports Microsoft Windows operating systems
- Housed in rugged, attractive plastic enclosure
- Includes 7' CAT5 Ethernet cable (Item# CA246)

Specifications

Family	eI/O
Input Isolation	2500 VAC RMS, 3500 VDC
Contact Current DC	≤ 30 VDC @ 5A max. > 30 VDC @ 2000mA max., (100mA min.)
Contact Operate Time	10ms max.
Contact Release Time	5ms max.
Contact Voltage	60VDC max., 200VAC max., (5VDC min.)
Digital I/O	Form C Relay Outputs, Isolated Inputs
Dimensions	4.5 (L) x 3.5 (W) x 1.3 (H)
Field Wiring	16 – 30 AWG
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Contact Current AC	6A max.
Input Impedance	6.2 K Ohms (in series)
Input Range	5-30 VDC
Host Interface(s)	Ethernet
Operating Temperature	0°C to 70°C (32°F to 158°F)
Output Power	DC 240W, AC 300 VA
Output Type	SPDT Form C relays
PoE Powered	Yes
# of Ports	4/4
Power Requirement	802.3af PoE Class 0 @ 5W (Typical)
RoHS Compliant	Yes
Storage Temperature	-50°C to 105°C (-58°F to 221°F)