

# HMO900/HMO901

I/O 8 Module

# SECURITY



## Features

Cost effective, modular solution that allows for:

- Scaling to the size requirement of the application.
- Expansion – quick and convenient (plug-in) should needs increase.
- Flexibility in installation
- Eight dry contact digital inputs
- End-of-Line (EOL) sensing on all eight digital inputs
- Energy saving relay drive circuitry

## SPECIFICATIONS

### PHYSICAL - IO8 Module in plastic housing

Length	7.3 in (186 mm)
Width	3.9 in (99 mm)
Height	2.3 in (57 mm)
Approximate Weight	10.8 oz (307 g)
Housing Material	ABS Plastic
Color	Black

### ENVIRONMENTAL

Operating Temperature	-13°F to +140°F (25°C to +60°C)
Storage Temperature	-40°F to +176°F (-40°C to +80°C)
Humidity Range	0 to 95% relative humidity at +104°F (+40°C ) non-condensing

### ELECTRICAL

Input Voltage	12V DC to 15V DC (polarity sensitive)
Input Voltage 12 V DC with relays off	40mA/0.48W
Input Voltage 12 V DC with all 8 relays activated	240mA/2.88W
Power Input Protection	Reverse polarity, and transient voltage protection is provided

### COMMUNICATIONS

Direct	Baud Rate 115 200
S-Bus (Device)	Baud Rate: 9600
Module Status	Slave

### DIGITAL INPUTS

Input Type	Eight dry-contact inputs with End-of-line (EOL) Sensing
Detection Resistance Range	< 2 KΩ
Protection Range	+15V continuous

### RELAYS

Relay Output	Eight Independent, single-pole, double-throw (SPDT) Relays, each with NO, COM and NC contacts.
Contact Ratings	10A at 28V DC 5A at 220V AC 12A at 120V AC
Operations	100 000 Minimum

### PROCESSOR

Type	ARM Cortex M0 operating at 36MHz
Total RAM	4 K Byte
Flash	48 K Byte

### APPROVALS

Dust & Splash Resistance	Designed to work in an indoor (dry) environment similar to IP20. The IO8 Module environment similar to IP20. The IO8 Module is not sealed against water
Drop Endurance :	1 m (3.28 ft.) drop (in packaging)

### ORDERING INFORMATION

HMO900-0-0-GB	Single IO8 module (8 inputs and 8 relays) for use with a plastic housing Control Module
HMO901-0-0-GB	Single IO8 module (8 inputs and 8 relays) for use with a Control Module in an IPS box

## Make the Intelligent Choice

For more information about PM Tronics Security products, to see demonstrations, or to discuss your company's needs contact the PMT team at 727-786-1900