



## MINERVA<sup>®</sup> MX

### MIO800 Multi-Input Output Module

#### Features:

- Connects directly to the MX Digital loop
- Loop powered does not require a 24V supply
- Provides three digital inputs
- Normally open or normally closed inputs
- Inputs monitored for open circuit or short circuit faults
- Style B (short circuit gives an alarm) or Style C (short circuit gives a fault) selectable for inputs
- On-board LED illuminates when any of the three inputs alarm
- Window in the D800 housing lid gives visibility of the on-board LED
- Provides four digital outputs
- All four outputs can drive a self-powered high voltage relay HVR800
- Two outputs have both volt free change-over contacts and HVR Drivers
- D800 IP55 housing or DIN-Rail mounting
- Inputs and outputs are independently controlled by the MX Technology<sup>TM</sup> system configuration

#### Multi-Input Output Module (MIO800)

The MIO800 is a general purpose interface module for use with MX Technology<sup>TM</sup> fire detection systems. It allows multiple input and output connections to be made between external equipment and the MX Digital loop. Three inputs and four outputs are provided. Each input and output can be programmed independently using the MX Consys configuration tool to provide customised functionality.

An IP55 rated D800 style housing is used as the standard enclosure with the option of a DIN-Rail mounting kit for in-cabinet installations.

## SPECIFICATIONS

### Technical Specifications

#### MIO800

#### System Compatibility

Use only with MX Technology™ Fire Alarm Controllers

#### Environmental

Indoor application only

Operating Temperature: -25°C to +70°C

Storage Temperature: -40°C to +80°C

Relative Humidity: up to 95% RH (non condensing)

Dimensions (HxWxD):

Module: 72 x 110 x 18 mm

Boxed: 118 x 139 x 68 mm

Weight:

Module: 70g

Boxed: 271g

Mounting Requirements: D800 Ancillary Housing or DIN-Rail

#### Electrical

Battery Requirements: Powered from Addressable Loop:

Standby Current: 0.7mA

Alarm Current: 6.25mA

Relay Contact Rating: DC - 2A @ 24V dc

Note: The unit must not be used to switch mains voltages directly.

The HVR800 must be used to switch mains voltages.

Wire Size: Min 1.5 mm<sup>2</sup>

Max 2.5 mm<sup>2</sup>

Max Wiring Resistance: Monitored Circuit - 40 Ohms

#### Ordering Information

Stockcode	Description
555.800.065	Multi I/O Module
557.201.303	DIN-Rail Mounting Kit
557.201.401	D800 Ancillary Housing

#### HVR800

#### System Compatibility

Use only with MX Technology™ MIO800 or RIM800 modules

#### Environmental

Indoor application only

Operating Temperature: -25°C to +70°C

Storage Temperature: -40°C to +80°C

Relative Humidity: up to 95% RH (non condensing)

Dimensions (HxWxD):

Module: 26.5 x 74 x 42 mm

Boxed: 118 x 139 x 68 mm

Weight:

Module: 87g

Boxed: 289g

#### Electrical

Input Voltages: 24V dc, 24V ac, 120V ac, 230V ac

Contact Rating: 10A @ 240V ac and 24V dc

#### Ordering Information

Stockcode	Description
568.800.004	HVR800 High Voltage Relay Interface Module
568.800.034	HVR800 High Voltage Relay Interface Module (Boxed).

