



MINERVA[®] 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[™] system configuration

Multi-Input Output Module (MIO800)

The MIO800 is a general purpose interface module for use with MX Technology[™] 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 ² Max 2.5 mm ²
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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:	-25oC to +70oC
Storage Temperature:	-40oC to +80oC
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).



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