

# MIM800

## Generation 6 MX Detection Range Mini Input Module

### Features

- // Compatible with MX Addressable Loop on SIMPLEX 4100ESi, VIGILANT MX1 and VIGILANT MX4428 panels
- // Single Monitored Input
- // Programmable Configuration
- // Monitor Multiple N/O Contacts
- // Monitor Multiple N/C Contacts
- // Controllable Output for LED
- // Compact Footprint

### Description

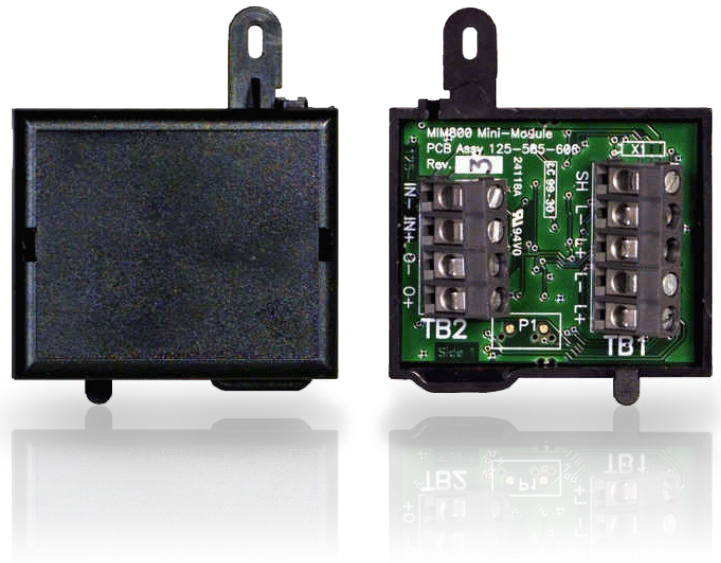
The MIM800 and MIM801 Addressable Mini Input Modules supervise one circuit of co-located voltage-free contacts, such as outputs from extinguishing systems, ventilation controls, etc., and transmit the state to the Tyco MX Control and Indicating Equipment (CIE).

Both devices can be programmed to supervise either normally-open or normally-closed contacts. The default MIM800 configuration is to supervise normally-open contacts; the default for MIM801 is to supervise normally-closed contacts. The MIMs can be programmed to supervise:

- One circuit of multiple normally-open contacts, with short circuit alarm.
- One circuit of multiple normally-closed contacts, with open circuit alarm.
- One circuit with a single normally-open contact, closing for alarm, with fault detection for short circuit. This requires a 100 ohm resistor in series with the alarm contact and appropriate programming at the MX CIE.

Interrupt operation can be enabled for fast transmission of a change-of-state to the MX CIE.

The contacts supervised by the MIM800/801 must be voltage free. Do not connect the MIM800/801 input to non-isolated equipment or to the inputs of other MX devices.



### Specifications

Loop Voltage <sup>1</sup>	20V to 40Vdc
Quiescent Current	275µA (typical)
Alarm State Current	2.8mA
Max. MIM800 / Loop <sup>2</sup>	200/250
Input Cable Length	1m (maximum)
Environment	Indoor Application
Ambient Temperature	-25°C to +70°C
Storage Temperature	-40°C to +80°C
Relative Humidity	10% to 95% (non cond.)
Dimensions (HWD)	13 x 48 x 57mm
Weight	22g
ActivFire Listing	afp-1446 (MIM800)
FPANZ Listing	VF/641 (MIM800) VF/645 (MIM801)

### Part Numbers

MIM800	MIM800
MIM801	MIM801
FP0837	MIM801 (NZ only)

1. Addressable loop voltage provided by MX CIE.  
2. MX4428/MX1; 4100ESi. Refer to appropriate CIE manual for design specifications.

The MIM800/801 has an output suitable for connection to a co-located LED. No series resistor is required. For the Vigilant MX1 panel the LED is programmable. For the other panels, the LED shows alarm, and is programmable to blink on poll.

## Mounting

The MIM800/801 must be housed in a suitable enclosure immediately adjacent to the contacts being monitored. It can be fixed to a surface or mounted with a screw through the tab and a 8.5mm standoff. The MIM800/801 is for internal use only unless housed in a weatherproof enclosure.

## Address Setting

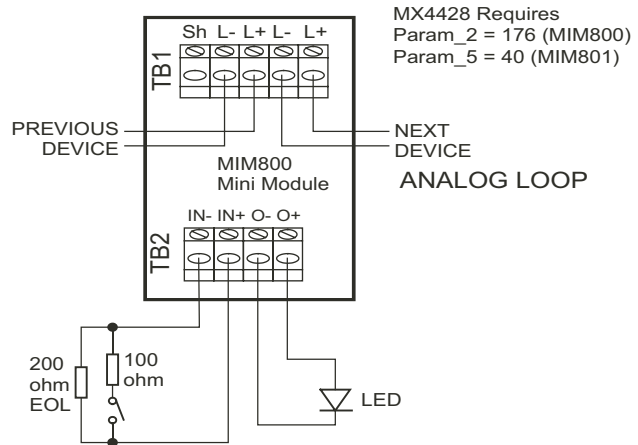
The MIM800 is shipped with a default (invalid) address of 255 and must be set to the correct loop address using the 850EMT or MX Service Tool.

## Wiring

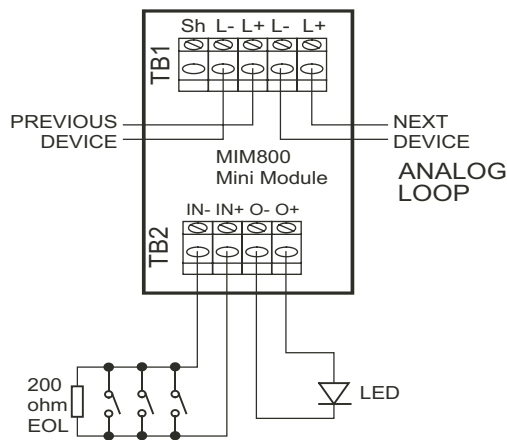
The MIM800/801 field wiring examples are shown at right.

## Note

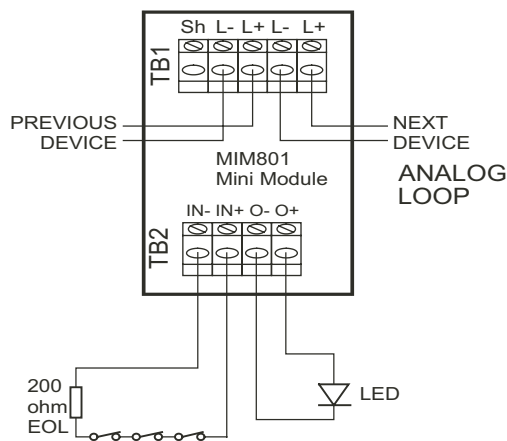
The input wiring must be as short as possible (< 1m) and located well away from all electrical noise sources.



**N/O with S/C fault**  
(for MIM800 or MIM801)



**Normally Open**  
(default for MIM800, option for MIM801)



**Normally Closed**  
(default for MIM801, option for MIM800)

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