# MIM800 *MX* Addressable **Mini Input Module**



#### **KEY FEATURES**

- // Programmable Configuration
- // Monitor Multiple N/O Contacts
- // Monitor Multiple N/C Contacts
- // Compact Footprint

# **DESCRIPTION**

The MIM800 or MIM801 Addressable Mini Input Module supervises one circuit of voltage-free contacts, such as outputs from extinguishing systems, ventilation controls, etc., and transmits its 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 normallyclosed 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.

## **OPERATION**

The optional LED illuminates when the input goes into the alarm state. It can also be programmed to blink when the MIM800/MIM801 is polled by the CIE.

# **SPECIFICATIONS**

Loop Voltage<sup>1</sup> Quiescent Current Alarm State Current Max. MIM800 / Loop<sup>2</sup> Input Cable Length Environment **Ambient Temperature** Storage Temperature Relative Humidity Dimensions (HWD) Weight ActivFire Listing **FPANZ Listing** 

afp-1446 (MIM800) VF/641 (MIM800) VF/645 (MIM801)

22g

20V to 40Vdc

275µA (typical)

1m (maximum)

-25°C to +70°C

-40°C to +80°C

13 x 48 x 57mm

Indoor Application

10% to 95% (non cond.)

2.8mA

200/250

Part Numbers

MIM800 MIM800 MIM801 MIM801

FP0837 MIM801 (NZ only)

1. Addressable loop voltage provided by MX CIE.
2. MX4428/MX1, 4100MXP. Refer to LT0273 (MXP), LT0313 (4100MXP), LT0360 (MX1-NZ), LT0441 (MX1-Au) for design specifications.

### **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.

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. The MIM800/801 has a output suitable for connection to a co-located LED. No series resistor is required.

## **ADDRESS SETTING**

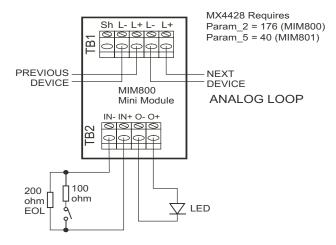
The MIM800/801 is supplied with a default (invalid) address of 255 and must be set to the correct loop address using the 801APK or 850EMT *MX* Service Tool.

#### **WIRING**

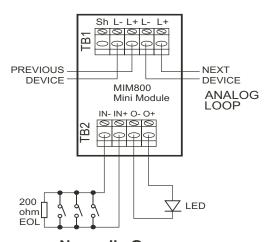
The MIM800/801 field wiring examples are shown at right.

## **NOTE**

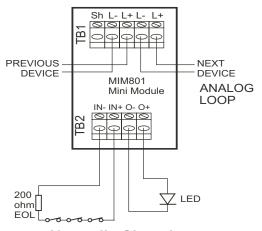
The input wiring must be as short as possible (< 1m) and located well away from all electrical noise sources.



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)