VIGILANT

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 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.

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[1]	20V to 40Vdc
Quiescent Current	275µA (typical)
Alarm State Current	2.8mA
Max. MIM800 / Loop[2]	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*, 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.
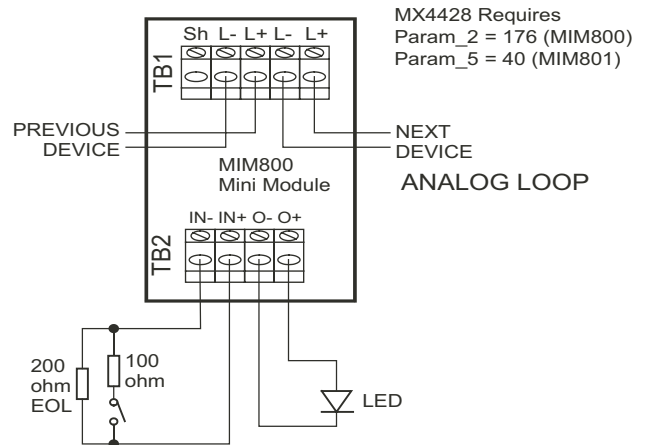
ADDRESS SETTING

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.
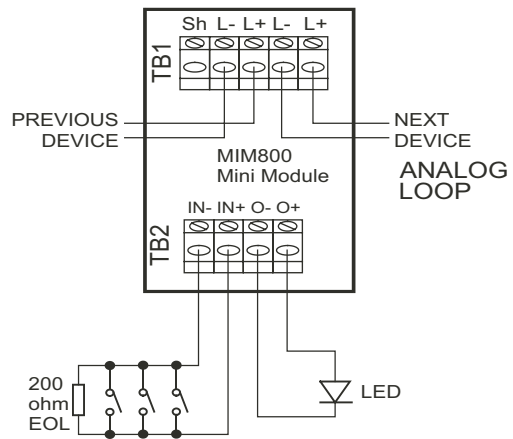
WIRING

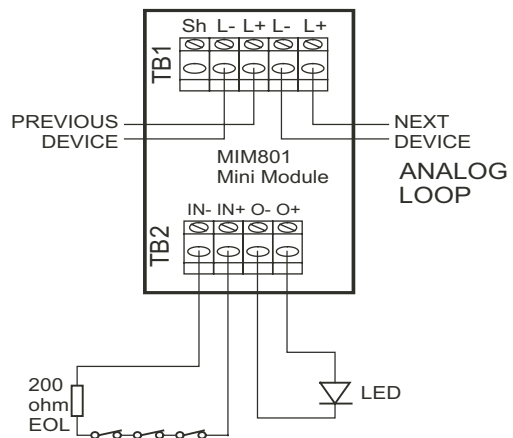The MIM800/801 field wiring examples are shown at right.

NOTE

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

MX4428 Requires
Param_2 = 176 (MIM800)
Param_5 = 40 (MIM801)

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)

tyco
Fire Protection Products

Safer. Smarter. Tyco.™