

INSTALLATION AND MAINTENANCE INSTRUCTIONS



Fire Protection Products

156-3857-002

Model: ADM131-Mk2 Mini Monitor Module

SPECIFICATIONS

Nominal Operating Voltage:	15-32 VDC
Average Operating Current:	350µA@1 communication every 5 seconds
EOL Resistance:	47k Ohms
Maximum Input Wiring Resistance:	40 Ohms
Maximum Input Voltage:	11 Volts
Maximum Input Current:	400µA
Temperature Range:	0°C to 49°C (32°F to 120°F)
Humidity:	10% to 93% Non-condensing
Dimensions:	33mm (H) × 70mm (W) × 16.5mm (D)
Wire Length:	150mm

BEFORE INSTALLING

This information is included as a quick reference installation guide. Refer to the MX4428 Installation Manual (LT0070) and the MPR Engineering Manual (LT0140) for detailed system information. If the module is to be installed in an existing operational system, inform the operator and local authority that the system will be temporarily out of service. Disconnect power to the control panel before installing the modules.

GENERAL DESCRIPTION

The ADM131-Mk2 Mini Monitor Module provides an interface between one or more normally-open clean contacts (closing for alarm) and the MPR addressable loop of an MX4428 fire alarm system. The module address is set in the range 1-99 using two rotary switches on the module.

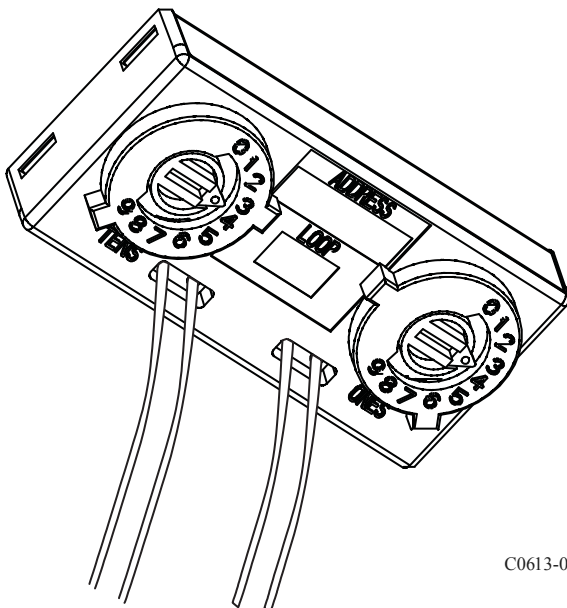
The Mini Monitor Module supervises the wiring to the alarm contacts with an end-of-line (EOL) resistor fitted at the end of the circuit - removal of the resistor or a break in the wiring generates a fault condition.

Due to its small size the module can be mounted inside many of the devices it is monitoring.

COMPATIBILITY REQUIREMENTS

To ensure proper operation, this module must be connected to the MPR addressable loop of an MX4428 fire alarm system.

FIGURE 1:



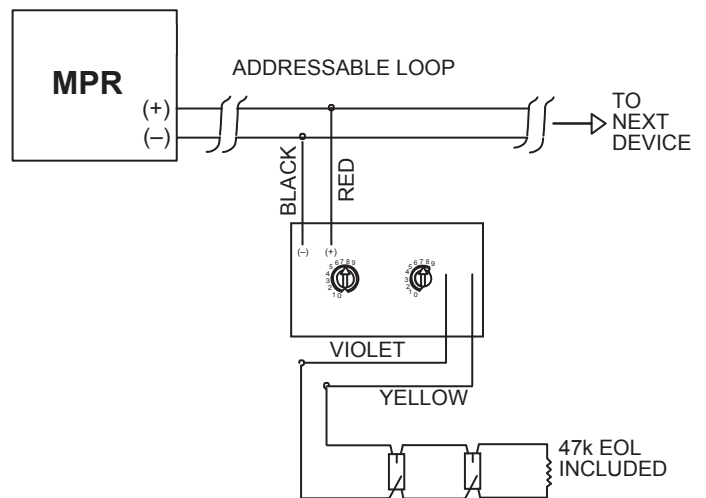
C0613-04

MOUNTING AND WIRING

NOTE: This module is intended to be wired and mounted without rigid connections inside a standard electrical box. All wiring must conform to applicable local codes, standards, and regulations.

1. Connect the red (+) and black (-) wires to the positive and negative leads of the MPR addressable loop.
2. Connect the violet (+) and yellow (-) wires to a two-wire, normally open initiating circuit.
3. Install the specified EOL resistor value to terminate the initiating circuit.
4. Set the address on the module per job drawings.
5. Install the module in the desired mounting location.

FIGURE 2. TYPICAL WIRING DIAGRAM



C0614-03

NORMALLY OPEN CLEAN CONTACTS CLOSING FOR ALARM

© Tyco Australia Pty Limited. All rights reserved.

Tyco Fire Protection Products
47 Gilby Rd
Mt Waverley, VIC 3149
AUSTRALIA
Tel: 03 9538 7220
Fax: 03 9538 7255

Tyco Fire Protection Products
6 Portage Rd
P.O. Box 15492, New Lynn
Auckland
NEW ZEALAND
Tel: 09 826 1716
Fax: 09 827 2288