

# INSTALLATION AND MAINTENANCE INSTRUCTIONS



156-3855-002

## Model: ADM130-Mk2 Monitor Module

### SPECIFICATIONS

Normal Operating Voltage:	15 to 32 VDC
Maximum Current Draw:	5.0mA (LED on)
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:	Module 120mm (H) × 108mm (W) × 34mm (D) Face Plate (124mm x 124mm)

### 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 ADM130-Mk2 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 Monitor Module supervises the wiring to the alarm contacts with an end-of-line (EOL) resistor fitted at the end of the input circuit - removal of the resistor, or a break in the wiring generates a fault condition.

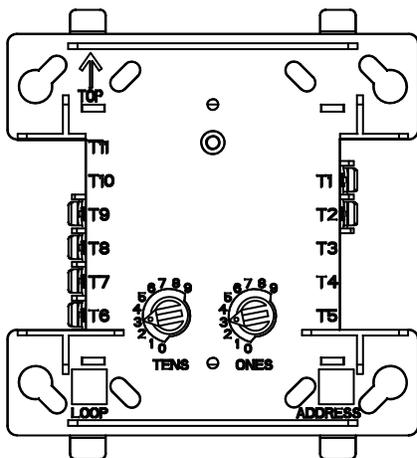
The Monitor Module includes a red LED on the front that is illuminated when an alarm condition is detected.

The Monitor Module is supplied with a plastic front cover and is suitable for mounting on a standard double-gang electrical flush or surface mounting box.

### COMPATIBILITY REQUIREMENTS

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

### FIGURE 1. CONTROLS AND INDICATORS:

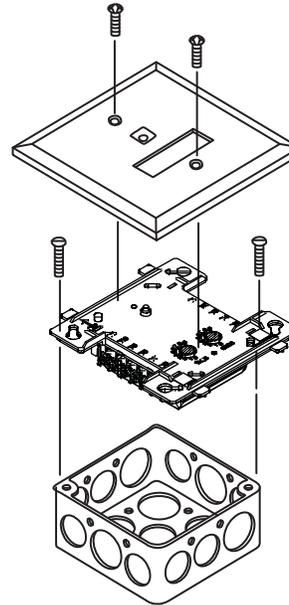


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### MOUNTING

The ADM130-Mk2 mounts directly to a double-gang electrical box. (See Figure 2 below). The box must have a minimum depth of 50mm.

### FIGURE 2. MODULE MOUNTING:



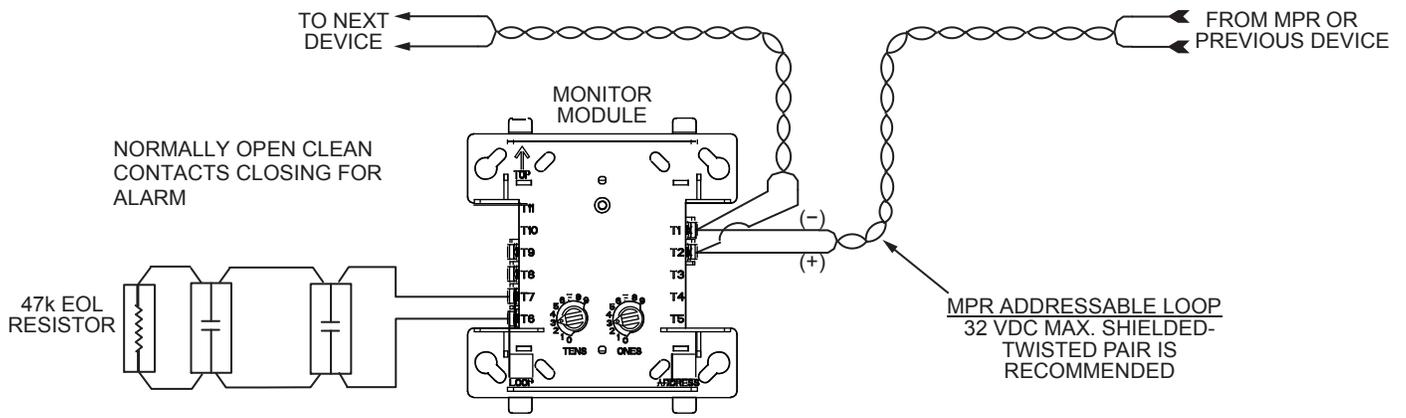
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### WIRING

NOTE: All wiring must conform to applicable local codes, standards and regulations.

1. Install module wiring in accordance with the job drawings and appropriate wiring diagrams, see Figure 3.
2. Set the address on the module per job drawings.
3. Secure module to electrical box (supplied by installer), as shown in Figure 2.

**FIGURE 3. TYPICAL WIRING DIAGRAM**



INSTALL CONTACT CLOSURE DEVICES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

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