**INSTALLATION AND MAINTENANCE INSTRUCTIONS**

**Model: ADM131-Mk2**

**Mini Monitor Module**

**SPECIFICATIONS**

- Nominal Operating Voltage: 15-32 VDC
- Average Operating Current: 350μA per 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) x 70mm (W) x 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.

**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**

![Typical Wiring Diagram](image-url)