

# INSTALLATION AND MAINTENANCE INSTRUCTIONS



Fire Protection Products

156-3852-002

## Model: ADCU130-Mk2 Unsupervised Relay Control Module

### SPECIFICATIONS

Normal Operating Voltage:	15 to 32 VDC
Maximum Current Draw:	6.5mA (LED on)
Average Operating Current:	300µA@1 communication every 5 seconds
Relay Rating:	2A@30VDC resistive; 1A@30VDC inductive
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 ADCU130-Mk2 Unsupervised Relay Control Module provides two “form-C” change-over relay outputs on the MPR addressable loop that operate together under control of the MX4428 fire alarm system. The module address is set in the range 1-99 using two rotary switches on the module.

The two relay outputs are electrically isolated and there is no supervision of the output wiring. A different module, ADCS130-Mk2, provides a single supervised output.

The ADCU130-Mk2 includes a red LED on the front that turns on when the relay is energised.

The ADCU130-Mk2 is supplied with a plastic front cover and is suitable for mounting on a double-gang electrical flush or surface mounting box.

The ADCU130-Mk2 can directly replace an ADC130 that has been used in unsupervised output mode (tabs broken).

### COMPATIBILITY REQUIREMENTS

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

### MOUNTING

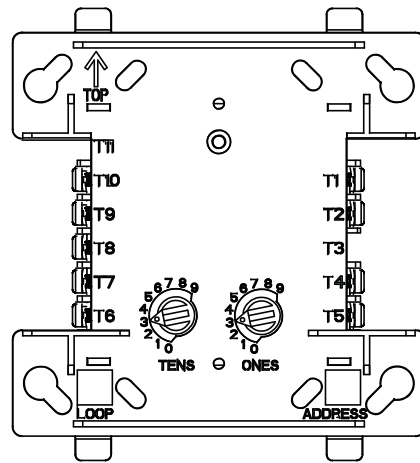
The ADCU130-Mk2 mounts directly to a double gang electrical box (see Figure 2). The box must have a minimum depth of 50mm.

### WIRING

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

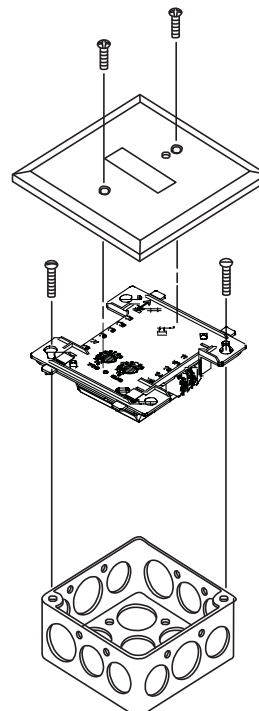
1. Install module wiring in accordance with the job drawings and appropriate wiring diagrams, see Figure 3.
2. Set the address on the module per job drawings.
3. Secure module to electrical box (supplied by installer), as shown in Figure 2.

FIGURE 1. CONTROLS AND INDICATORS



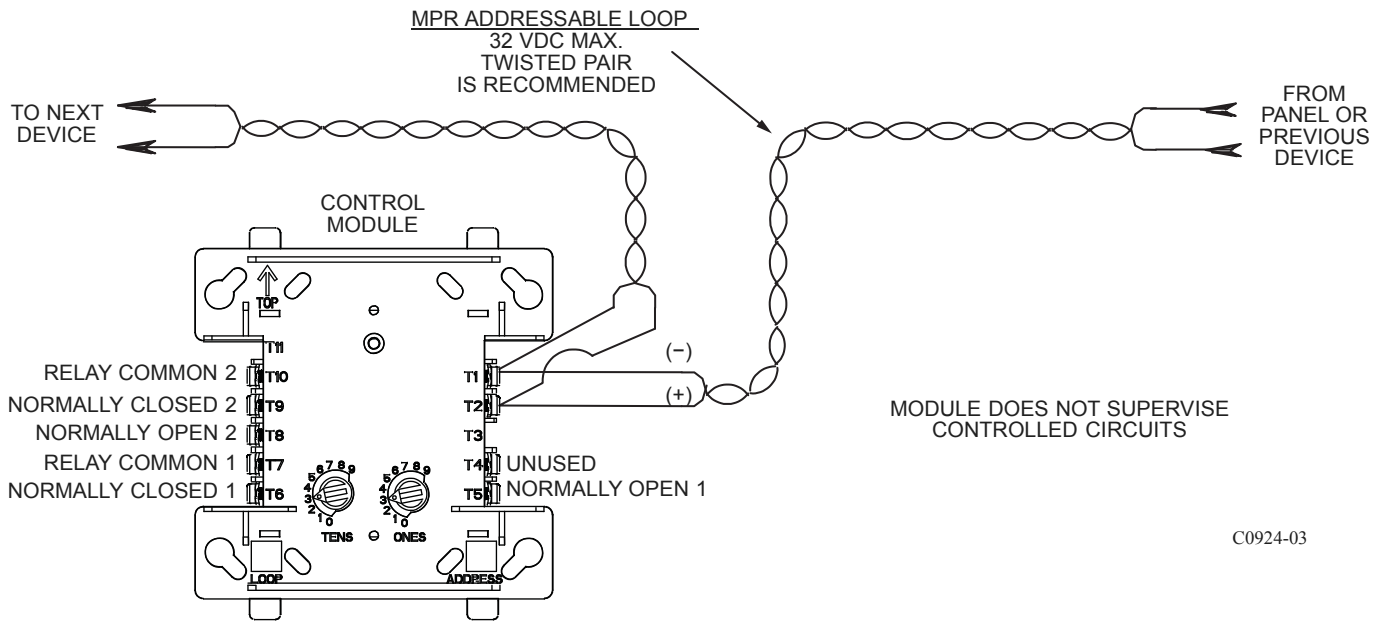
C0925-01

FIGURE 2. MODULE MOUNTING



C0926-01

**FIGURE 3. RELAY MODULE WIRING DIAGRAM**



C0924-03

**WARNING**

All relay switch contacts are shipped in the standby (open) state, but may have transferred to the activated (closed) state during shipping. To ensure that the switch contacts are in their correct state, modules must be made to communicate with the panel before connecting circuits controlled by the module.

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