

ADS130-Mk2 SHORT CIRCUIT ISOLATOR MODULE

SPECIFICATIONS

Normal Operating Voltage:	15 - 32 VDC
Stand-by Current:	450µA (not isolating)
Maximum Current Draw:	17mA (device in isolation)
Temperature Range:	-5°C to 50 °C (23°F to 122°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 ADS130-Mk2 Short Circuit Isolator Module provides isolation of a section of MPR analogue addressable loop cable when a short circuit is present. ADS130-Mk2 modules are wired into the loop at strategic points, e.g., start and end of the loop, zone boundaries, every 40 actuating devices, etc, to provide short circuit isolation between each section.

The ADS130-Mk2 is not an addressable device, so has no address to set and is not programmed into the configuration.

The ADS130-Mk2 has a yellow LED on the front that is illuminated when there is a short circuit present on either side of the module.

The ADS130-Mk2 is supplied with a plastic front cover and is suitable for mounting on a 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.

NOTE: The number of devices that may be installed between isolator modules will vary based on the types of devices being isolated. Refer to LT0140 for detail.

MOUNTING

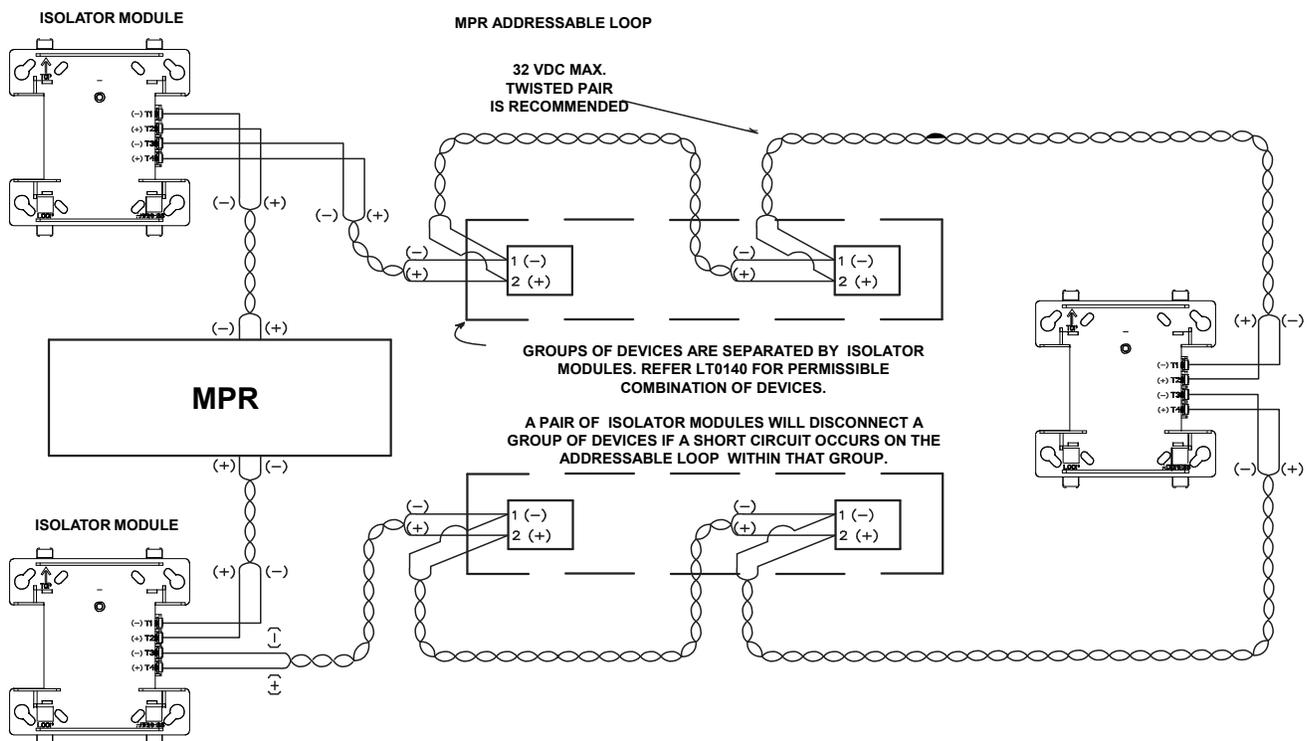
The ADS130-Mk2 module mounts directly to a double gang electrical box. The box must have a minimum depth of 54mm.

WIRING

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

1. Install module wiring in accordance with the job drawings and the wiring diagram in Figure 1.
2. Secure module to electrical box (supplied by installer).

FIGURE 1. TYPICAL ISOLATOR MODULE WIRING:



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