

# FIK-M500X Fault Isolator Module

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## SPECIFICATIONS

Normal Operating Voltage:	15-32 VDC
Stand-By Current:	450µA (not isolating)
Maximum Current Draw:	17mA (device in isolation)
Temperature Range:	32°F to 120°F (0°C to 49°C)
Humidity:	10% to 93% Non-condensing
Dimensions:	4½" H × 4" W × ¼" D (Mounts to a 4" square by ½" deep box)

For system/product documentation including installation, operation, and maintenance, scan QR code or enter URL provided.



<http://www.fike.com/06-912>

This information is included as a quick reference installation guide. Refer to the appropriate Fike Installation Manual for detailed system information. If the modules will 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.

NOTICE: This manual should be left with the owner/user of this equipment.

## GENERAL DESCRIPTION

FIK-M500X Isolator Modules enable part of the communications loop to continue operating when a short circuit occurs on it. An LED indicator blinks in the normal condition and turns on during a short circuit condition. The module will automatically restore the entire communications loop to the normal condition when the short circuit is removed.

## COMPATIBILITY REQUIREMENTS

To ensure proper operation, these modules shall be connected to compatible Fike system control panels only.

NOTE: The number of devices that may be installed between fault isolator modules will vary based on the types of devices being isolated. Contact the fire alarm control panel manufacturer for the isolator load ratings of individual devices.

## MOUNTING

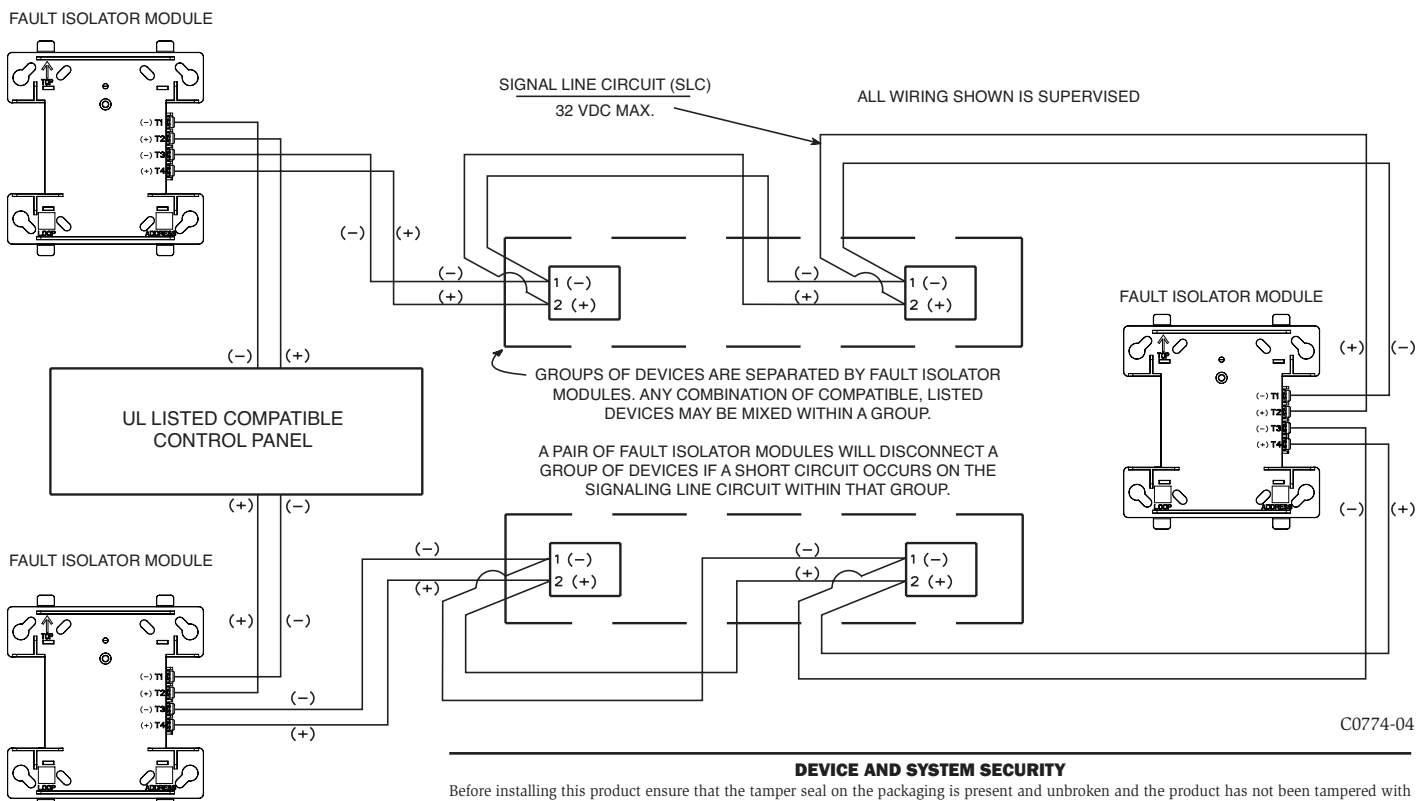
FIK-M500X modules mount directly to 4 inch square electrical boxes. The box must have a minimum depth of 2½".

## WIRING

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

1. Install module wiring in accordance with the job drawings and the wiring diagrams in Figure 1.
2. Secure module to electrical box (supplied by installer).
3. Terminal wire gage: 12-18 AWG.

**FIGURE 1. FAULT ISOLATOR MODULE WIRING**



## DEVICE AND SYSTEM SECURITY

Before installing this product ensure that the tamper seal on the packaging is present and unbroken and the product has not been tampered with since leaving the factory. Do not install this product if there are any indications of tampering. If there are any signs of tampering the product should be returned to the point of purchase.

It is the responsibility of the system owner to ensure that all system components, i.e. devices, panels, wiring etc., are adequately protected to avoid tampering of the system that could result in information disclosure, spoofing, and integrity violation.