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TR-MONITOR Monitor Module

SPECIFICATIONS

Normal Operating Voltage:	15 to 32 VDC
Maximum Current Draw:	5.0 mA (LED on)
Average Operating Current:	375µA (group poll), 350 µA (direct poll), 600 µAmps (communication, IDC shorted)
EOL Resistance:	47K Ohms
Max. IDC wiring resistance:	1,500 Ohms
Maximum IDC Voltage:	11 Volts
Maximum IDC Current:	450µA
Temperature Range:	32°F to 120°F (0°C to 49°C)
Humidity:	10% to 93% Non-condensing
Dimensions:	4½" H x 4" W x 1¼" D (11.4 cm H x 10.16 cm W x 3.175 cm D) (Mounts to a 4"/ 10.16 cm square by ²⅛"/5.4 cm deep box.)
Accessories:	TR-SMB500-WH Electrical Box

BEFORE INSTALLING

This information is included as a quick reference installation guide. Refer to the control panel 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.

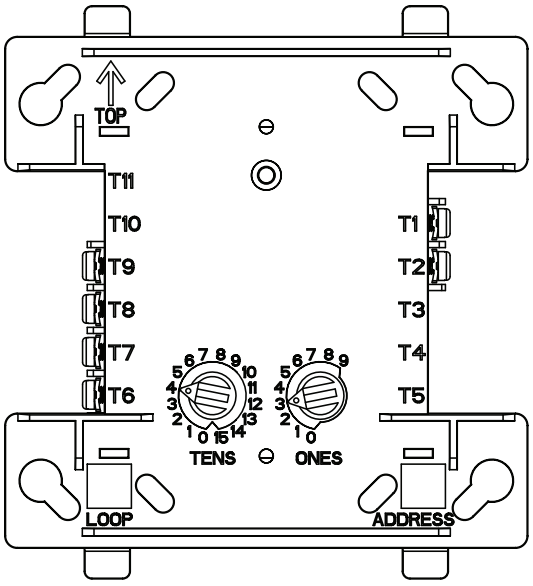
GENERAL DESCRIPTION

The TR-MONITOR Monitor Module is intended for use in intelligent, two-wire systems, where the individual address of each module is selected using the built-in rotary switches. It provides either a Class A or Class B fault tolerant initiating device circuit (IDC) for normally open contact fire alarm and supervisory devices, or either normally open or normally closed security devices. The module has a panel controlled LED indicator.

COMPATIBILITY REQUIREMENTS

To ensure proper operation, this module shall be connected to a compatible Triga system control panel (list available from Triga).

FIGURE 1. CONTROLS AND INDICATORS



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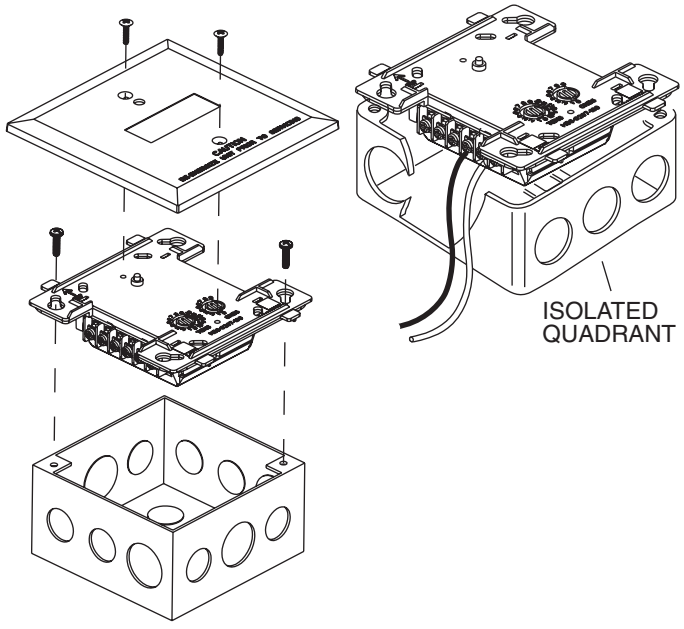
MOUNTING

The TR-MONITOR mounts directly to 4" (10.16 cm) square electrical boxes. (See Figure 2.) The box must have a minimum depth of ²⅛"/5.4 cm. Surface mounted electrical boxes (TR-SMB500-WH) are available.

FIGURE 2. MODULE MOUNTING

NOTE: For UL Listed security installations, the TR-MONITOR must be mounted within the control panel enclosure.



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WIRING

NOTE: All wiring must conform to applicable local codes, ordinances, and regulations. This module is intended for power limited wiring only.

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

NOTE: All references to power limited represent “Power Limited (Class 2)”.

FIGURE 3. TYPICAL 2-WIRE INITIATING CIRCUIT CONFIGURATION, NFPA CLASS B OR SECURITY SYSTEMS

NOTE: For UL Listed security installations, the TR-MONITOR must be mounted within the control panel enclosure.

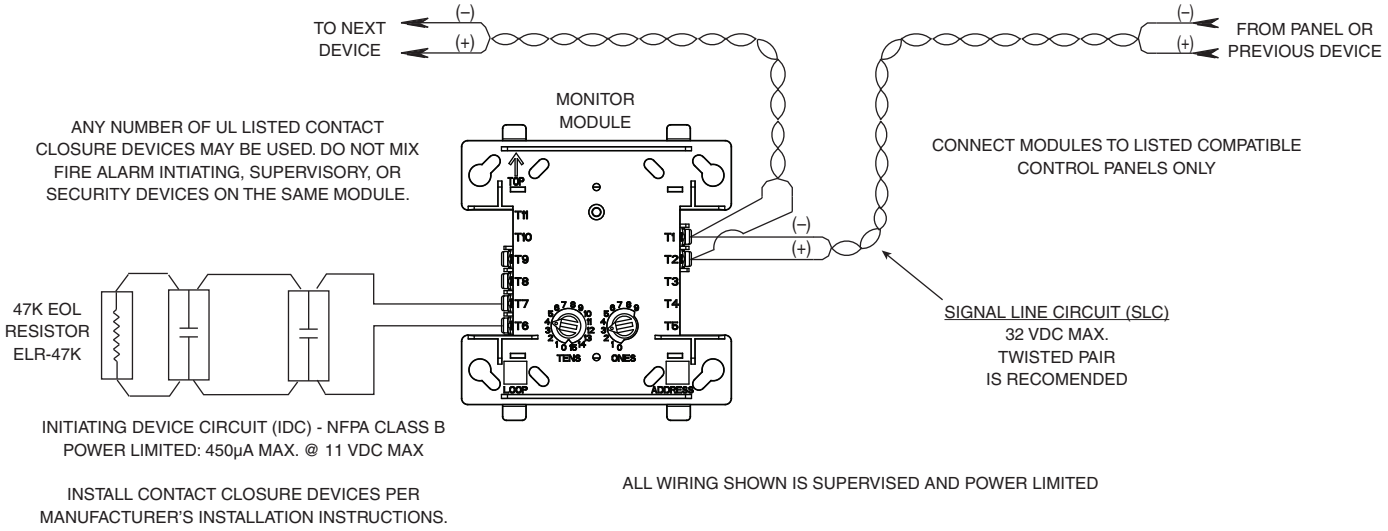

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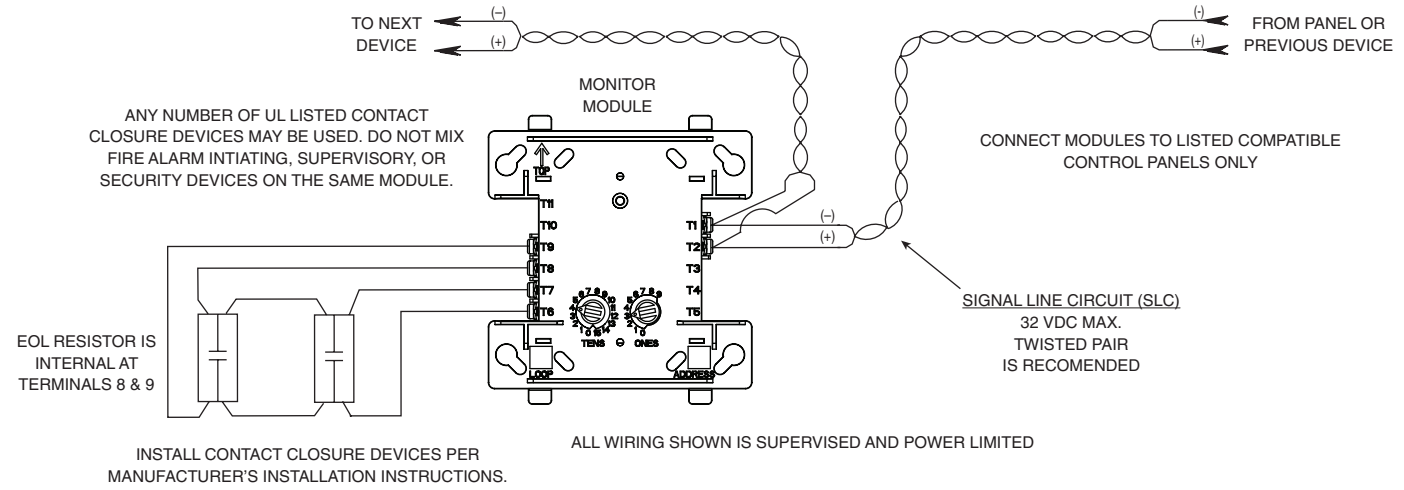
FIGURE 4. TYPICAL 4-WIRE FAULT TOLERANT INITIATING CIRCUIT CONFIGURATION, NFPA CLASS A



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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.