

TR-ISO

Line Isolator Module

The TR-ISO is a SLC loop line isolator module for use with the Triga Series fire alarm control panels (FACPs). The TR-ISO acts as an automatic switch that opens when the line voltage on the signaling line circuit (SLC) loop drops below four volts. Isolator modules should be spaced between groups of sensors or modules in a loop to protect the rest of the loop. If a short occurs between any two isolators, then both isolators immediately switch to an open circuit state and isolate the devices between them. The remaining units on the SLC loop continue to fully operate. No more than 25 devices are recommended for each group.

INSTALLATION

The TR-ISO mounts directly into a 4" square electrical box. The box must have a minimum depth of 2-1/8".

COMPATIBILITY

The TR-ISO is compatible with the following Triga Series FACPs:

- TR-2100R / ITR-2100B
- TR-2100ECSR / TR-2100ECSB
- TR-R2100R / TR-R2100B



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FEATURES & BENEFITS

- Isolates short circuits on an SLC loop
- Protects the modules on the SLC loop so other devices continue to operate
- Panel controlled status LED that flashes green in normal state and is solid red in alarm
- Standard 4 inch electrical box mounting
- SEMS screws for easy wiring
- UL Listed
- FM Approved



Technical Specifications

PHYSICAL

Dimensions: 4.5" H x 4" W x .25" D (11.4 x 10.2 x .6cm)

Shipping Weight: 6.3oz (196g)

ELECTRICAL RATINGS

Operating Voltage: 15 - 32 VDC

Standby Current: 450 μ A max

(not isolating; relay closed)

Isolation Current: 5mA max

Fault Detection Delay: 250ms min.

Fault Detection Threshold: 4V

Line Restoration Threshold: 7V

ENVIRONMENTAL

Operating Temperature: 32°F-120°F (0°C - 49°C)

Humidity: 10 to 93% non-condensing)

ORDERING INFORMATION

TR-ISO: Line Isolator Module

ACCESSORIES

TR-SMB500: 4" Square Surface

Mount Electrical Box

This document is not intended to be used for installation purposes. We try to keep our product information up-to date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

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