

TR-RELAY

Addressable Relay Module

The TR-RELAY is an addressable relay module for use with the Triga Series fire alarm control panels (FACPs).

The TR-RELAY allows a Triga FACP to switch discrete contacts by code command. The relay contains two isolated sets of Form C contacts, which operate as a DPDT switch. No supervision is provided for the notification appliance circuit.

The TR-RELAY contacts can be used for virtually any normally open or normally closed application. Each TR-RELAY is programmed with a unique signaling line circuit (SLC) loop address. When an event occurs that controls the TR-RELAY, the relay is triggered by the FACP.



TR-RELAY

INSTALLATION

The TR-RELAY mounts directly into a 4" square electrical box. The box must have a minimum depth of 2-1/8". A surface mount electrical box (TR-SMB500) is available from Triga.

COMPATIBILITY

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

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

FEATURES & BENEFITS

- Two sets of Form C contacts
- Contacts are rated for a variety of amps (see Specifications)
- Panel controlled status LED that flashes green in normal state and is solid red in alarm
- Relay programming is completely flexible – can be mapped to zone conditions
- Polling LED visible through the cover plate
- Rotary address switches for fast installation
- SEMS screws for easy wiring
- UL Listed
- FM Approved





Technical Specifications

SPECIFICATIONS

Physical: 4.275" H x 4.675" W x 1.4" D Shipping Weight: 6.3oz (196g)

ELECTRICAL RATINGS

Operating Voltage: 15 to 32VDC

Standby Current: 300µA max @ 24VDC (one communication every 5 sec. with LED enabled)
LED Current: 5.5 mA (with LED latched on)

Relay Contact Ratings:

2.0A @ 25VAC (PF=.35), non-coded 3.0A @ 30VDC resistive, non-coded 2.0A @ 30VDC resistive, coded 0.46A @ 30VDC (L/R=20ms), non-coded 0.7A @ 70.7VAC (PF=.35), non-coded 0.9A @ 125VDC resistive, non-coded 0.5A @ 125VAC (PF=.75), non-coded

ENVIRONMENTAL

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

Humidity: 10 to 93% non-condensing)

0.3A @ 125VAC (PF=.35), non-coded

ORDERING INFORMATION

TR-RELAY: Relay Module

ACCESSORIES

TR-SMB500: 4" Square Surface Mount Electrical Box TR-CB500: Module Barrier. Used to separate power limited and non-power limited wiring in a junction 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.

TRIGA Life Safety Systems, LLC

7600 Olde Eight Rd, Hudson, Ohio, United Sates of America Tel: +1 330-577-5199, Email: info@trigaglobal.com

ELV/19-01-21/R0 2