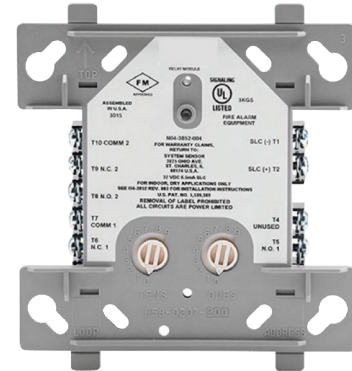# TRIGA
Powered by Honeywell

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.

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

TR-RELAY

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: 6.5 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

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

ENVIRONMENTAL

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

Humidity: 10 to 93% non-condensing)

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.

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