

## TR-ZONE

### Addressable Zone Interface Module

The TR-ZONE is an addressable two-wire interface module for use with the Triga Series fire alarm control panels (FACPs). The TR-ZONE allows a Triga FACP to interface and monitor two-wire conventional smoke detectors. This means you can retrofit an existing building and use existing conventional devices.

The TR-ZONE is addressed through the signaling line circuit loop of the FACP. It transmits the status of one full zone of two-wire detectors to the FACP. Status conditions are reported as normal, open, or alarm. The TR-ZONE supervises the zone of detectors and the connection of the external power supply. All two-wire detectors being monitored must be UL compatible with the TR-ZONE.

#### INSTALLATION

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

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



TR-ZONE

## FEATURES & BENEFITS

- Converts a conventional two-wire loop to an SLC loop
- Fully supervised
- Support for Style B and Style D wiring
- Panel controlled status LED that flashes green in normal state and is solid red in alarm
- Rotary address switches for fast installation
- SEMS screws for easy wiring
- UL Listed



## Technical Specifications

### SPECIFICATIONS

**Physical:** 4.5" H x 4"W x 1.25" D

**Shipping Weight:** 6.3oz (196g)

### ELECTRICAL RATINGS

**Operating Voltage:** 15 to 32VDC

**External Power Supply**

**Alarm Current:** 90mA per module

**Standby Current:** 12mA @ 24 VDC (nominal)

**Standby & Alarm Current:** 300  $\mu$ A max @ 24 VDC  
(one communication every 5 sec. with LED enabled)

**End-of-Line Resistance:** 3.9kW

**SLC Loop Impedance:** 40W

**Initiating Device Circuit Wiring Resistance:** 25Wmax

### ENVIRONMENTAL

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

**Humidity:** 10 to 93% (non-condensing)

### ORDERING INFORMATION

**TR-ZONE:** Two-wire interface module

### ACCESSORIES

**TR-SMB500:** 4" Square Surface Mount Electrica 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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