

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.

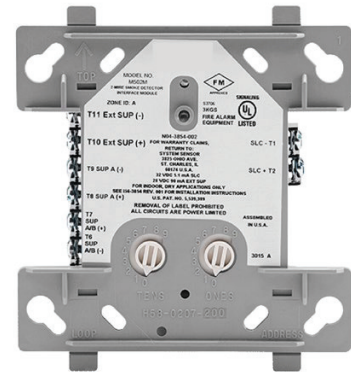
INSTALLATION

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 / ITR-2100B
- TR-2100ECSR / TR-2100ECSE
- TR-R2100R / TR-R2100B



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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 μ 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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