

TR-MMI-6SF

Multi-Module Input, 6 Zone Sub-Loop Module

GENERAL

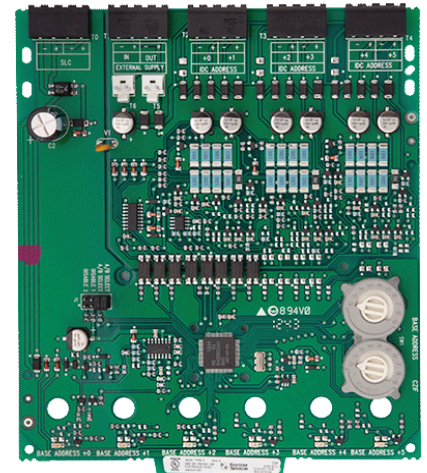
The GEN2 Series, multi-mod six zone interface module (TR-MMI-6SF) provides six Style B (Class B) or three Style D (Class A) supervised initiating device circuits (IDC) suitable for use with UL® Listed conventional 2-wire smoke detectors as well as any normally open contact device.

The GEN2 Series use a communication protocol that substantially increases the speed of communication between the sensors and certain TRIGA analog addressable fire alarm controls. These devices operate in a grouped fashion. If one of the devices in the group has a status change, the panel's microprocessor stops the group poll and concentrates on the single device. The net effect is response speed up to five times greater than earlier designs.

The TR-MMI-6SF connects to the signaling line circuits (SLC) of the TRIGA analog addressable series fire alarm control panels. Each of the TR-MMI-6SF initiating device circuits occupies its own address on the system's SLC allowing each to be fully programmable in its control-by-event sequence of operation.

The address of the first initiating device circuit is set with a pair of rotary dials. Each remaining circuit is automatically assigned to its own subsequent address. The TR-MMI-6SF module includes an address disable jumper matrix to allow a maximum of two unused addresses to be turned off to free these addresses for other purposes. An additional pair of jumpers selects either Style B or Style D circuit configurations.

Each circuit has its own status LED that flashes to indicate proper polling and lights steadily when the output has been activated. Two multimod series units can be mounted in one **MBB-2** cabinet. Additional mounting options include the **MCH-6** chassis that can accommodate six multi-mod series modules. The **MCH-6** chassis can be installed in a custom cabinet or can be mounted in the **MBB-6** cabinet allowing up to six multi-mod series modules in one cabinet. The initiating device circuit of the TR-MMI-6SF can support a maximum line resistance of up to 40 ohms allowing the use of linear heat detection devices. The TR-MMI-6SF is ideal for applications where centralized location of circuits is required. As many as sixty initiating device circuits may be located in a cabinet that is only 12.63" H x 24" W x 6.5" D in dimension, saving valuable wall space in mechanical rooms and electrical closets and reducing cost of installation.



TR-MMI-6SF



FEATURES & BENEFITS

- Each TR-MMI-6SF module provides six Style B (Class B) or three Style D (Class A) individually addressable individually programmable initiating Device circuits
- Suitable for use with UL® Listed, compatible 2-wire conventional smoke sensors and normally open contact devices
- Displays individual LED indicators*
- Includes removable wiring terminal blocks that allow ease of installation and servicing
- Terminal blocks can accommodate 12 to 18 AWG wire
- Provides a flexible jumper configuration feature that allows one or two monitoring circuit addresses to be disabled
- Ideal for retrofit applications
- Designed to contain as many as thirty-six initiating device circuits in one 12" x 24" x 6.5" cabinet
- Offers two mounting cabinets available for two (**MBB-2** cabinet) to six (**MBB-6** cabinet) units
- Bi-color LEDs flash green whenever the sensor is addressed, and light steady red on alarm*

Note: Specifications are subject to change without notice.



Technical Specifications

SPECIFICATIONS

Operating Voltage: 15-32 VDC

Stand-by Current: 2.3 mA

Alarm Current: 40 mA (with all six LEDs lit)

Maximum IDC Wiring Resistance: 25 Ohms

Temperature Range: 32° F to 120° F (0° to 49° C)

Humidity: 10 to 85% (non-condensing)

Dimensions: 6.8" H x 5.8" W x 1.0" D

MBB-2: 12.25" H x 9.25" W x 3.32" D

MBB-6: 12.63" H x 24" W x 6.5" D

EXTERNAL SUPPLY VOLTAGE

DC Voltage: 18-28 Volts, power-limited

Ripple Voltage: 0.1 Volts rms maximum

Current: 90 mA per circuit

STANDARDS

The GEN2 Series TR-MMI-6SF Releasing Control Module is designed to comply with the following standard:

UL Standard: UL 864.

ORDERING INFORMATION

TR-MMI-6SF: Multi-Module Input, 6 Zone Sub-Loop Module

MBB-2: Backbox, 2 unit

MBB-6: Backbox, 6 unit, requires MCH-6

MCH-6: 6-Unit mounting chassis

AGENCY LISTINGS AND APPROVALS

For exact certification listings for each model, please reference the respective agency website.

UL listed

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Note: Specifications are subject to change without notice.