

TR-MMO-6RF

Multi-Module Output, 6 Relay Output Module

GENERAL

The TRIGA GEN2 Series, multi-mod six relay output module (TR-MMO-6RF) provides six Form “C” control relay outputs on one board. Its compact design affords ease of installation while using a minimum of wall space.

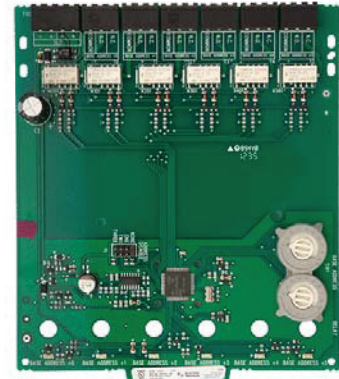
The GEN2 Series use a communication protocol that substantially increases the speed of communication between the sensors and certain TRIGA analog addressable fire alarm controls. These devices operate in a grouped fashion. If one of the devices in the group has a status change, the panel’s microprocessor 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-MMO-6RF connects to the signaling line circuit (SLC) of the TRIGA analog addressable series fire alarm control panels. Each relay circuit on the TR-MMO-6RF occupies its own address on the control panel’s SLC and can be programmed to respond to its own individual control-by-event sequence of operation. The address of the first relay is set by a pair of rotary code switches on the TR-MMO-6RF. Each remaining relay circuit is automatically assigned to its own subsequent address.

The TR-MMO-6RF module includes an address disable switch that allows one, two, or three addresses to be turned off to free these addresses for other purposes.

Each relay has its own status LED that flashes to indicate proper polling and lights steady when the circuit has been activated.

Two multi-mod 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 custom cabinets or mounted in the **MBB-6** cabinet. The multi-mod series is suitable for use in applications where the centralized location of circuits is required. As many as thirty-six Form “C” relays may be located in a cabinet that is only 12.63” H x 24” W x 6.5” D in dimensions. This feature saves valuable wall space in mechanical rooms and electrical closets as well as reduces the cost of the installation.



TR-MMO-6RF

FEATURES & BENEFITS

- Each module provides six individually addressed, individually programmable form “C” relays
- Includes removable wiring terminal blocks that allow ease of installation and servicing
- Terminal blocks can accommodate 12 to 18 AWG wire
- Offers a wide range of contact ratings
- Provides a flexible jumper configuration feature that allows up to three relay addresses to be disabled
- Designed for Gamewell-FCI analog addressable series fire alarm control panels
- Displays individual LED indicators*
- Suitable for retrofit applications
- Ideal for applications such as elevator control, AHU control, door holder release or similar functions requiring multiple relay outputs
- Contains two mounting cabinets available for two ((MBB-2 cabinet) to six (MBB-6 cabinet) units



Note: Specifications are subject to change without notice.

Technical Specifications

RELAY CONTACT RATINGS:

CURRENT RATING	MAXIMUM VOLTAGE	LOAD DESCRIPTION	APPLICATION
2 A	25 VAC	PF = 0.35	Non-coded
3 A	30 VDC	Resistive	Non-coded
2 A	30 VDC	Resistive	Coded
0.46 A	30 VDC	(L/R = 20ms)	Non-coded
0.7 A	70.7 VAC	PF = 0.35	Non-coded
0.9 A	125 VDC	Resistive	Non-coded
0.5 A	125 VAC	PF = 0.75	Non-coded
0.3 A	125 VAC	PF = 0.35	Non-coded

SPECIFICATIONS

Operating Voltage: 15-29 VDC

Stand-by Current: 1.90 mA

Alarm Current: 32 mA (with all six relays activated and all six LEDs lit)

Relay Current: 30 mA/ relay pulse

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

Humidity: 10 to 93% (non-condensing)

Dimensions: 6.8" H x 5.8" W x 1.0" D (17.3 x 14.7 x 2.5 cm)

MBB-2: 12.25" H x 9.25" W x 3.32" D (31.1 x 23.5 x 8.4 cm)

MBB-6: 12.63" H x 24" W x 6.5" D (32.1 x 60.1 x 16.5 cm)

ORDERING INFORMATION

TR-MMO-6RF: Multi-Module Output, 6 Relay Output 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

STANDARDS

The GEN2 Series TR-MMO-6RF is designed to comply with the following standards:

UL Standard: UL 864.

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