

TR-AMM-2RIF

Addressable Input/Output Module

GENERAL

The TRIGA GEN2 Series multi-function module (TR-AMM-2RIF) combines two relay outputs and two monitor inputs into one device. The module is capable of Class B supervised wiring that is used for the monitored devices. It also contains Form C relay contacts which allow the panel to switch the contacts on command. There is a dedicated LED on the module for each input and output. The fire alarm control panel can use these bi-color LEDS to indicate normal, alarm and trouble conditions.

This module is ideally suited for areas where inputs and outputs are needed in the same location. It can be used to function with any of the following devices:

- smoke/fire dampers
- security doors
- HVAC fan
- dedicated smoke control
- non-dedicated smoke fan

When you combine two relay outputs and two monitor inputs into one device, you can save the cost of installing four devices. This feature can be beneficial when you need to install these devices in high-rise buildings or large shopping complexes. The two input/two output module is the same size module as the standard single modules. It can mount directly to a 4-inch (10.16 cm) square electrical box, the surface mounted SMB500, or it can be installed into the DNR(W) duct housing.



TR-AMM-2RIF



FEATURES & BENEFITS

- Provides two relay outputs and two monitor inputs in one space-saving module
- Offers visual rotary, decimal switch addressing (01-159)
- Contains the following:
 - Two sets of Class B initiating device circuits
 - Two sets of Form C relay contacts
- Uses bi-color LEDs for each input and output flash, when addressed, and lights steady when in alarm
- Includes a Dip switch to manually disable one input and one output
- Ideal for fan, smoke control, and door entry installations

Note: Specifications are subject to change without notice.



Technical Specifications

SPECIFICATIONS

Supervisory Current: 0.00130 A

Alarm Current: 0.024 A

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

Relative Humidity: 10% to 93% (Non-condensing)

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

Dimensions: 4.675" H x 4.275" W x 1.4" D

End-of-Line Resistor: 47k Ohms

Table 1 lists the 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	Inductive (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 VDC	PF= 0.75	Non-coded
0.3 A	125 VAC	PF= 0.35	Non-coded

STANDARDS

The GEN2 Series TR-AMM-2RIF is designed to comply with the following standard:

UL Standard: UL 864

ORDERING INFORMATION

TR-AMM-2RIF: Addressable Input/Output Module

AGENCY LISTINGS AND APPROVALS

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

UL listed

TRIGA INVESTMENTS, LLC
340 Taxiway Bravo Beeville, TX 78102,
Tel: +1330-577-5199. Email:info@trigaglobal.com

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