Integlex Multicrest™
fire alarm system

FRRU004-TRM4
TWIN RELAY MODULE

Features

- One simple LED for status indication
- Two Form C contacts
- NFPA Class A (Styles 6 & 7) and Class B (Style 4) for SLC
- Electronic address setting
- Downsized unit
- Easy installation

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Description

The Twin Relay Module (FRRU004-TRM4) is a two Form C relay contact that is programmed to activate when mapped devices are activated. Those two Form C relay contacts activate simultaneously. The relay condition between C1 and NO1, and C2 and NO2 is Normally-open connection, and the condition between C1 and NC1, and C2 and NC2 is Normally-closed connection. When the FRRU004-TRM4 receives the command to operate the relay contact, FRRU004-TRM4 will close the C1 to NO1 and C2 to NO2, and open the C1 from NC1 and C2 from NC2. FRRU004-TRM4 employs one red LED to indicate the status. In normal condition, the LED flashes. When the relay contact is activated, the LED will turn on constantly. In case of trouble, the LED will turn off.

Ordering Information
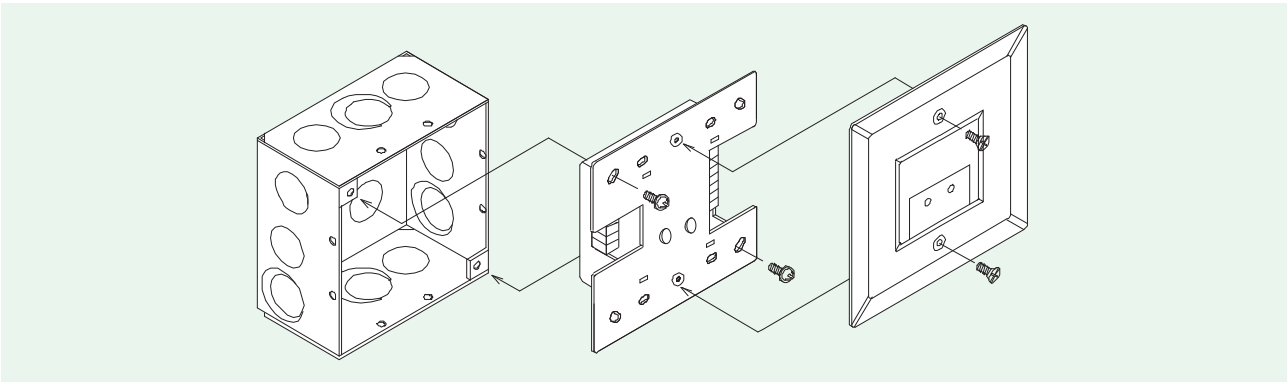
Model no. FRRU004-TRM4

Specifications

No.	Item	Specification	
1	Rated voltage range of SLC input power (S+,S-)	22.0 to 24.0V	
2	Maximum SLC 24 VDC standby current (S+,S-)	250µA	
3	Maximum SLC 24 VDC alarm current (S+,S-)	1mA	
4	Contact output style	Typical Form C × 2	
5	Output rating (resistive)	24VDC	2A
		125VAC	0.5A
6	Operating temperature range	0°C to 49°C (32°F to 120°F)	
7	Operating humidity range	0 to 93% (non-condensing)	
8	Dimensions	106mm (4.17 inches) (H) × 106mm (4.17 inches) (W) × 29mm (1.14 inch) (D)	
9	Applicable electrical box for installation	North American 64mm (2-1/2 inches) deep 2-gang box Standard 4 inches square box 38mm (1-1/2 inch) deep box	

Setting the Address

Each addressable module, smoke detector, heat detector and combination detector must have the address set before connecting the device to the Signaling Line Circuit (SLC) loop. The address is set using the hand held device programmer or the addressing feature on the control panel.
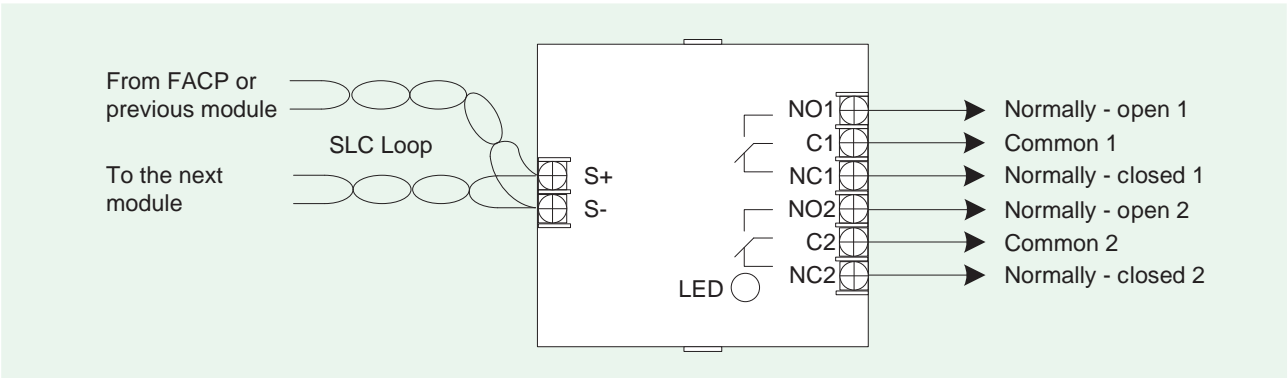
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Figure 1: Installation into the compatible electrical box

Figure 2: Wiring diagram of FRRU004-TRM4

From FACP or previous module

SLC Loop

To the next module

S+
S-

LED

NO1 — Normally - open 1
C1 — Common 1
NC1 — Normally - closed 1
NO2 — Normally - open 2
C2 — Common 2
NC2 — Normally - closed 2

NOTE

- The information contained herein does not purport to cover all the details or variations of the equipment described, nor to provide for every possible contingency that may be met in connection with its installation, operation or maintenance.
- Specifications are subject to change without notice. Contact Nohmi before relying on the information.
- Actual performance is based on proper application of the product by a qualified professional.
- Should further information be required or should particular concerns arise that are not covered sufficiently for the purchaser's purposes, the matter should be referred to Nohmi or your nearest distributor.