

FRRU004-MCM

MINIATURE CONTACT MODULE



Features

- NFPA Class A (Styles 6 & 7) and Class B (Style 4) for SLC
- NFPA Class B (Style B) for IDC
- Electronic address setting
- Mini-sized unit
- Easy installation



Description

The Miniature Contact Module (FRRU004-MCM) is used to monitor the contact status of an initiating device that contains a normally open contact. The FRRU004-MCM can be programmed in the panel to supervise either a Normally-open or Normally-closed contact on the Fire Alarm Control Panel (FACP). When the Normally-open contact is selected, and the contact is closed, the FRRU004-MCM reports its condition to FACP. Likewise when the Normally-closed contact is set to a supervising condition, and the contact is opened, the FRRU004-MCM reports its condition to FACP. FRRU004-MCM supervises an open circuit of wiring connected to the terminal C and NO (NC) contact. The FRRU004-MCM is generally used to monitor pull stations and other devices where the module is installed in an electrical box or enclosure. The contact utilizes a terminal block that is covered in accordance with UL requirements to protect from inadvertent shorts and ground faults.

Ordering Information

Model no. FRRU004-MCM

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-)	250µA
4	IDC input circuit wiring style	Class B (Style B)
5	End-of-line resistor for IDC	5.1kΩ, 1/2W
6	Maximum wiring resistance of IDC	100Ω
7	Maximum wiring capacitance of IDC	1µF
8	Operating temperature range	0°C to 49°C (32°F to 120°F)
9	Operating humidity range	0 to 93% (non-condensing)
10	Dimensions	65.5mm (2.58 inches) (H) × 59mm (2.32 inches) (W) × 24mm (0.94 inch) (D)
11	Applicable electrical box for installation	North American 64mm (2-1/2 inches) deep single-gang 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.

Wiring Diagram

Figure 1: Wiring diagram in case of supervising Normally-Open contact

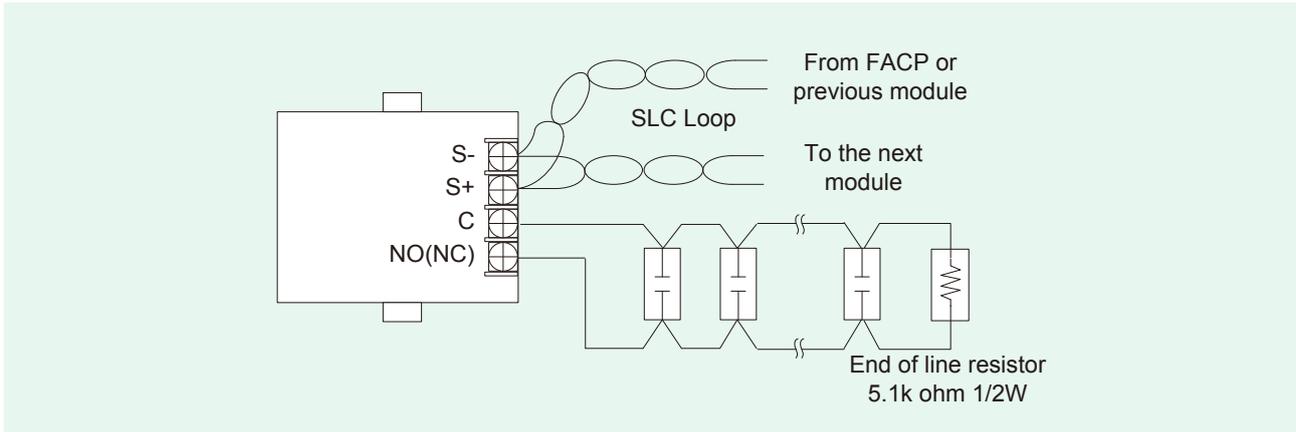
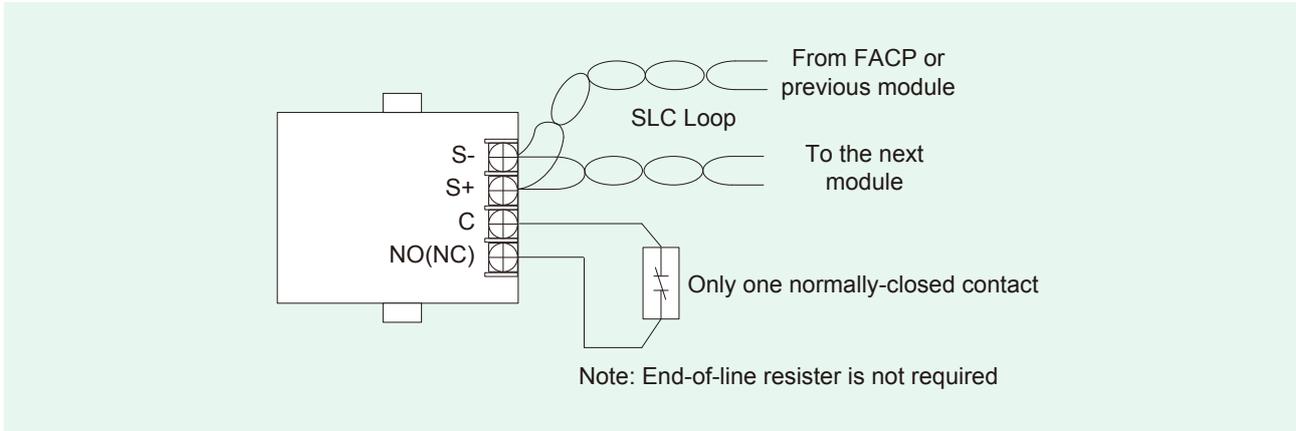


Figure 2: Wiring diagram in case of supervising Normally-Closed contact (Not recognized as NFPA Initiating Device Circuit)



NOTICE

- These instructions do not purport to cover all the details or variations in the equipment described, nor provide for every possible contingency to be met in connection with installation, operation and maintenance.
- Specifications are subject to change without notice. Contact Nohmi before relying on above specifications.
- Actual performance is based on proper application of the product by a qualified professional.
- Should further information be desired or should particular problems arise, which are not covered sufficiently for the purchaser's purpose, the matter should be referred to Nohmi or a distributor in your region.

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