

Addressable Module for Initiating Device - Model Number FRR01UA-F



Features:

- UL listed to standard 864, 9th edition
- Max. 20 compatible 2-wires smoke detectors connectable
- Status LEDs for alarm/trouble and normal condition monitoring
- NFPA Styles 4, 6, and 7 applicable for signal line circuit
- NFPA Styles B and D applicable for initiating device circuit
- Electronic address setting
- Down-sized unit
- Easy installation

Description:

The addressable module for initiating device provides the system with an ability to interface with contact type initiating devices. The addressable module equips with a central microprocessor with memory that controls basic activities of the module. The module uses an electronic address setting method that eliminates any mechanical switch.

The module is connected to the addressable Signal Line Circuit (SLC) loop of Main Control Unit (MCU) and/or Sub Control Unit (SCU). The module sources its operating power from the SLC, and provides the Initiating Device Circuit (IDC) supervision and activation detection functions associated with contact type devices. The module supports NFPA Styles 4, 6, and 7 for the SLC.

The module supervises the voltage of its IDC that can be connected to any normal-open contact output which is closed to signal a status change. When an open circuit is detected the module informs the trouble condition to MCU or SCU. When a short circuit occurs on the IDC the module becomes activation state. The activation condition remains active until the system is reset. The module supports NFPA Styles B and D for the IDC. An end-of-line resistor is used in Style B for the supervision of IDC wiring.

The module contains two status indicators (LEDs); one red and one green. The green LED indicates normal monitoring operation of the module when flashing. When a status change condition is detected on the IDC the green LED turns off and the red LED begins flashing. When the status change is cleared (reset to normal) the red LED turns off and the green LED resumes flashing.

Ordering information:

- Model no. FRR01UA-F

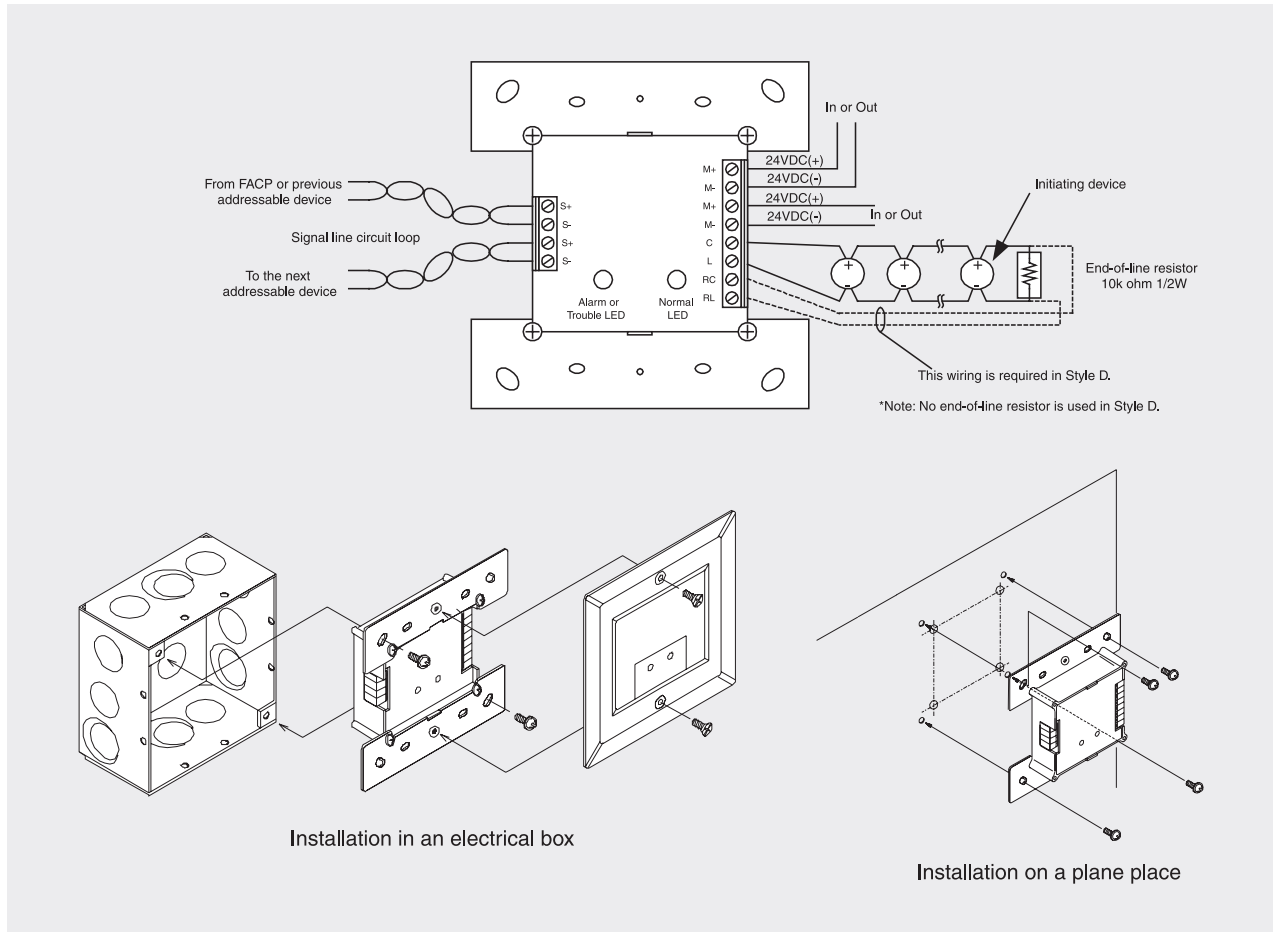
Specifications:

No.	Item	Specification
1	Rated voltage range of SLC input power	7.8 to 30.7 VDC
2	Maximum SLC 24 VDC standby current	250 μ A
3	Maximum SLC 24 VDC alarm current	250 μ A
4	Applicable SLC wiring style	NFPA Styles 4, 6, and 7
5	Operating voltage range of external power supply line	19.8 to 28.0 V
6	Output voltage range of IDC	16.4 to 26.2 V
7	Maximum standby current of IDC 24 VDC	4.88 mA in Style B, 2.81 mA in Style D
8	Maximum detector standby current 24 VDC	1.6 mA
9	Maximum Alarm current of IDC 24 VDC	50.0 mA
10	Applicable IDC wiring style	NFPA Style B and D
11	End-of-line resistor for IDC in NFPA Style B wiring	10k Ω , 1/2W (UL listed)
12	Operating temperature range	32 to 120°F (0 to 49°C)
13	Operating humidity range	0 to 93% (non-condensing)
14	Maximum no. of module per loop	255 units
15	Dimensions	113mm (4.44") (H) x 113mm (4.44") (W) x 25mm (0.98") (D)
16	Applicable electrical box for installation	North American 2-1/2" (64 mm) deep 2-gang box Standard 4" square box 1-1/2" (38 mm) deep box

Compatible 2-wire conventional smoke detectors:

Manufacturer	Model No.	Type	Max. connectable quantity per module
Nohmi Bosai Ltd.	FDS01U	Ionization smoke	20 units
Nohmi Bosai Ltd.	FDK01U	Photoelectric smoke	20 units
Nohmi Bosai Ltd.	FDKL01U	Photoelectric smoke with fixed temperature	20 units
Kidde-Fenwal, Inc	PSD-7155D	Photoelectric smoke	20 units

Installation and wiring information:



Note:

- 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 purposes, the matter should be referred to Nohmi or a distributor in your region.

NOHMI
NOHMI BOSAI LTD.

- Head Office: 4-7-3 Kudan-Minami, Chiyoda-ku, Tokyo 102-8277, Japan
 - Phone:(81)3-3265-0231
 - F A X:(81)3-3265-5348
- URL <http://www.nohmi.co.jp/english/>

Contact