

FDHU003-D-X

RATE - OF - RISE /FIXED TEMPERATURE HEAT DETECTOR

Features

- Very Low Profile (30.7mm/1.21-inch only in height)
- Adjustable Fixed 57°C to 79°C (135°F to 174°F)
- True Analog Detector for Fixed Temperature
- Rate-of-Rise Feature
- Simple and Accurate Address Setting without Mechanical Switches
- LEDs for 360° Viewing



Description

The combination Rate-of-Rise/Fixed Temperature Heat Detector (FDHU003-D-X) is an Analog/Addressable combination temperature heat of Integlex Multicrest series. The heat sensing portion utilizes a proven thermistor for accurate and reliable heat detection. The detector and base (not included) are made of a durable plastic in an eggshell white (off white) to blend in with the ceiling.

The new Nohmi circuit integration technology was introduced to the FDHU003-D-X. This state-of-the-art technology was able to simplify the product circuits and down-size the product structure significantly.

The FDHU003-D-X is UL listed with a selectable fixed temperature point from 57°C to 79°C (135°F to 174°F) and a rate of rise feature. The rate-of-rise operates when the temperature increases 7°C to 8°C (12°F to 15°F) per minute occurs. The heat detector is ideal for installations needing the earlier heat detection. The FDHU003-D-X has two LEDs that allow for 360° viewing. The detector is compatible with any of the Nohmi bases indicated in this sheet and simply twists on. The FDHU003-D-X is addressed using the hand held programmer or the control panel addressing function.

Ordering Information

Model no. FDHU003-D-X

Spacing

The FDHU003-D-X spacing is dependent on the alarm set-point. The unit is listed from 57 to 79°C (135°F to 174°F). However as the temperature setting increases, the spacing decreases.

No.	Alarm set-point	Spacing
1	57°C to 76°C (135°F to 170°F)	Max. 15.2m (50 feet)
2	77°C to 79°C (171°F to 174°F)	Max. 4.5 m (15 feet)

Specifications

No.	Item	Specification
1	Working voltage range	22.0 to 24.0 V
2	Standby current	250 µA
3	Alarm indicator	2 LEDs
4	Alarm indicator current	1.5 mA D.C
5	Alarm set-point range	57°C to 79°C (135°F to 174°F)
6	Installation temperature range	0°C to 38°C (32°F to 100°F)
7	Operating relative humidity range	0% to 93% (Non-condensing)
8	Start-up time	Max. 1 sec.
9	Color	Eggshell White
10	Weight (without base)	65g (2.29 oz)
11	Dimensions (without base)	Height: 30.7mm (1.21 inch) Diameter: 99mm (4.0 inches)

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.

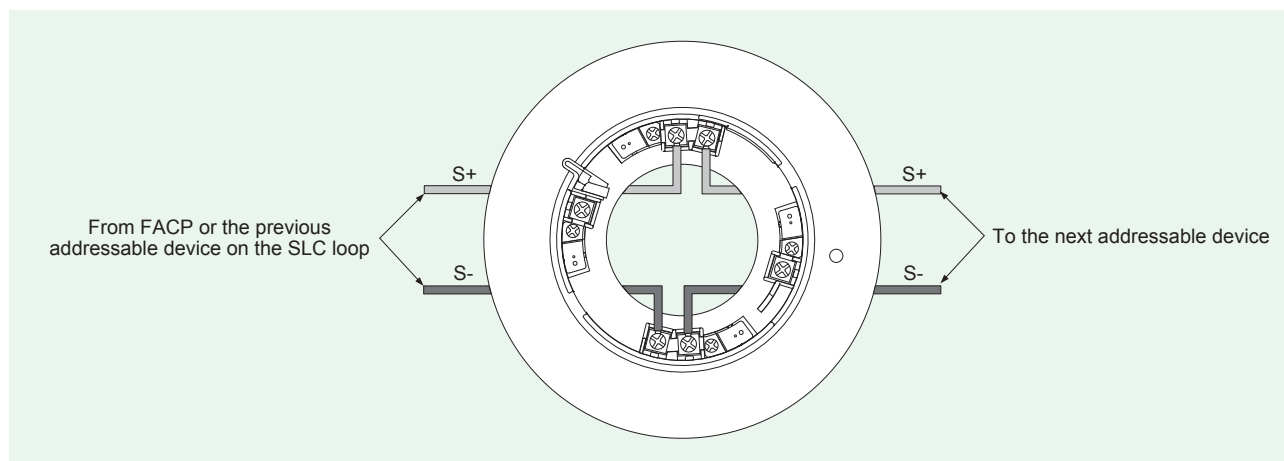
Compatible Bases

All bases will mount on a single gang, double gang, octagon, 4 inches square or mud ring electrical box.

No.	Device	Description
1	FZBU004-AB4	4 inches Standard Base
2	FZBU003-AB6	6 inches Standard Base
3	FZBU013-2Z	4 inches Standard base, 2 terminals (without remote indication circuit)
4	FZBU013-4Z	4 inches Standard Base, 4 terminals
5	FZBU005-AIB	6 inches base that has an isolator module included. The base is pre-wired with a pluggable jumper to the module.
6	FZBU005-ARB	6 inches base that includes a dual relay module. One relay is rated for 8 amps at 240 VAC/30 VDC and the second is rated for 2 amps at 240 VAC/30 VDC. The base is pre-wired with a pluggable jumper to the module.
7	FZBU005-ASB	6 inches base with sounder module included. Sound pattern is provided from external source. The base is pre-wired with a pluggable jumper into the module.

Wiring Diagram

Typical wiring of detector base onto which detector is mounted.



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.

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 <https://www.nohmi.co.jp/english/>

Contact