



■ Description

The EVA-H3 and EVA-H3-H is UL 521 approved analog addressable heat detector. The detectors are compatible with the NITTAN SPERA series of fire alarm control panels.

The EVA-H3 is a 8.3°C (15°F) / min rate-of-rise temperature heat detector with 57°C (135°F) fixed temperature alarm. The EVA-H3-H is a high temperature heat detector with 83°C (181°F) fixed temperature alarm.

Stylish designed and low profile, also the detector is equipped with OMNIVIEW™ indicator, which provides 360 degrees of alarm status visibly by red light.

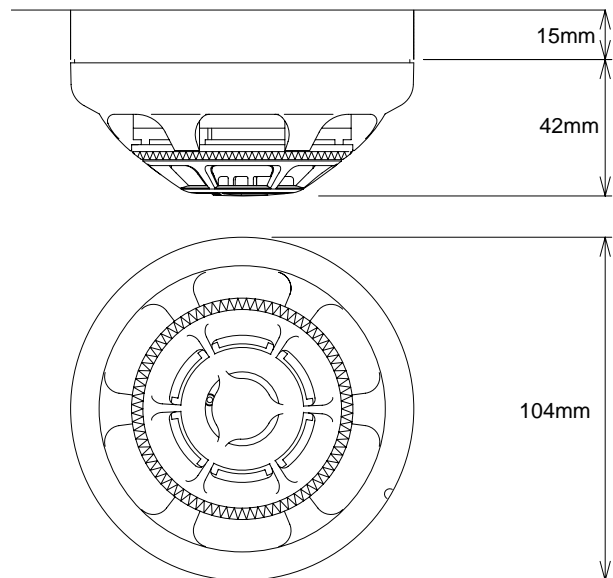
The detector incorporates a heat sensing thermistor, mounted outside of smoke chamber, with the high linear circuit. The specially designed cover protects the thermistor while taking airflow.

Detector address is selectable from the range of 1 to 254, and programmed by using the EVA-AD2 handheld address-setting tool. A remote LED indicator can be connected to the detector Terminal 3 (RIL) directly.

■ Features

- H3 : Rate of rise and Fixed heat detection at 57 °C (135 °F),
- H3-H Fixed heat detection at 83 °C (181 °F).
- Low profile, and stylish design
- Low monitoring current
- OMNIVIEW™ 360 degrees LED indicator
- Remote indicator output
- Address selectable from a range of 1 to 254
- Provide with a dust cover
- Approved to UL 521

■ Dimensions



■ Mounting Base Models

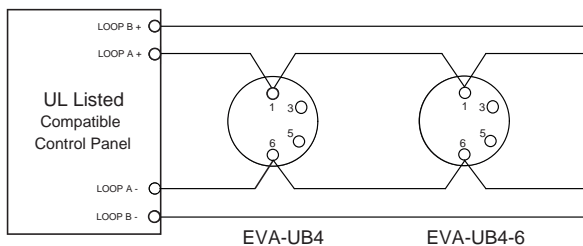
| Model | Description | Instruction Manuals | Diameter | Number of Terminals | EVA-H3 | EVA-H3-H |
|-------------|-----------------------------|---------------------|-----------------|---------------------|--------|----------|
| EVA-UB4 | Standard 4" base | DW1401959_K2 | 104 mm (4 inch) | 4 | ✓ | ✓ |
| EVA-UB4-6* | 6" base | DW1401959_K2 | 160 mm (6 inch) | 4 | ✓ | ✓ |
| EVA-S6 Base | Addressable sounder base | DW1401960_K2 | 160 mm (6 inch) | 5 | ✓ | N/A |
| EVA-STB-RL | Relay base | DW1401853_K2 | 104 mm (4 inch) | 6 | ✓ | N/A |
| EVA-STB-SCI | Short circuit isolator base | DW1401852_K2 | 104 mm (4 inch) | 4 | ✓ | N/A |
| STBA-ADP** | Base adapte plate | DW1402124_K1 | 160 mm (6 inch) | NONE | ✓ | N/A |

* The EVA-UB4-6 base is intended for applications where a 4 inch square or octagonal electrical junction box is required.

** The STBA-ADP base adapter plate is intended for the EVA-STB-RL relay base and EVA-STB-SCI short circuit isolator base for applications where a 4 inch square or octagonal electrical junction box is required.

■ Wiring and Terminals

The EVA-H3 and EVA-H3-H heat detectors have three terminals and each terminal features are described in table below:



| Terminal | Description |
|----------|-------------------------------|
| 1 | SLC Positive |
| 6 | SLC Negative |
| 3 | Use for EVA-STB-RL relay base |

■ Specifications

| Specifications | EVA-H3 | EVA-H3-H |
|------------------------------|---|--------------------------------------|
| Detector Element | Thermistor (Negative temperature coefficient) | |
| LED Visual Indicator | Standby - Flashing green LED Alarm - Solid red LED with flashing green | |
| Operating Voltage | 20 VDC to 38 VDC Peak | |
| System Voltage | 35 VDC | |
| Standby Current | 200 μ A | |
| Alarm Current (with red LED) | 6 mA | |
| Fixed Alarm Temperature | 57 °C (135 °F) | 83 °C (181 °F) |
| Rate of Rise Detection | Responds to greater than 15 ° F (8.3 °C) / min. | |
| Operating Temperature | -10 °C to +55 °C (14 °F to 131 °F) | -10 °C to +65.6 °C (14 °F to 150 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to 158 °F) | |
| Relative Humidity | \leq RH 95 % non-condensing | |
| Addressing Method | Soft addressing, Non-Volatile EEPROM | |
| Address | 1 to 254 (decimal) | |
| Maximum quantity per loop | 254 units | |
| Dimensions | ϕ 104 mm x H 42 mm (Detector head only) ϕ 104 mm x H 57 mm (Detector head and EVA-UB4) | |
| Weight | 105 g (Detector head only) 165 g (Detector head and EVA-UB4) | |
| Standard | UL521 | |

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All specifications are subject to change without any notice.
For more information, contact with NITTAN.

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