



### 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.

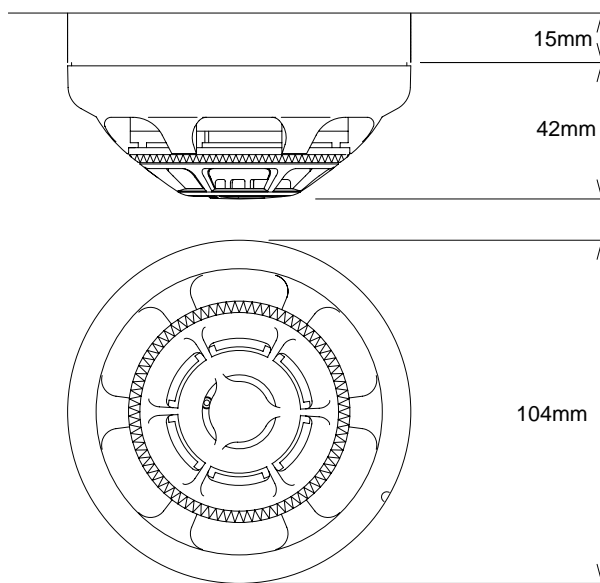
The detector incorporates a heat sensing thermistor, mounted outside of smoke chamber, with the high linear circuit. The specially designed cover protects the thermistor while taking airflow.

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

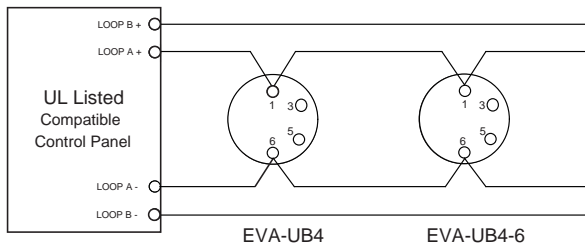
Model	Description	Instruction Manuals	Diameter	Number of Terminals	EVA-H3	EVA-H3-H
EVA-UB4	Standard 4" base	DW1401959_K2	104 mm (4 inch)	4	✓	✓
EVA-UB4-6*	6" base	DW1401959_K2	160 mm (6 inch)	4	✓	✓
EVA-S6 Base	Addressable sounder base	DW1401960_K2	160 mm (6 inch)	5	✓	N/A
EVA-STB-RL	Relay base	DW1401853_K2	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 $\mu$ 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.	N/A
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	≤ RH 95 % non-condensing	
Addressing Method	Soft addressing, Non-Volatile EEPROM	
Address	1 to 254 (decimal)	
Maximum quantity per loop	254 units	
Dimensions	$\phi$ 104 mm x H 42 mm (Detector head only) $\phi$ 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	

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

**NITTAN**

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