

# RE-317D-SHL

## ADDRESSABLE MULTI SENSOR DETECTOR

### General

Addressable multi sensor detector(s) are designed to work with Addressable panel. These detectors are low profile, polarity free and have dual LED's for 360° visual indication. The LED's are blinking in normal operating condition whereas the LED's in steady state indicate fire status. The fixed cum rate of rise heat detector works using a thermistor. These detectors will raise an alarm when the detector reaches 59°C (Fixed) or when the change in temperature exceeds the rate of rise @ 11°C / min. It has an unique chamber designed to sense smoke produced by wide range of sources of combustion with insect free. The detectors sensitivity can be programmed via FACP. It has a unique drift compensation feature wherein the detector adjusts its normal reference based on environment conditions.



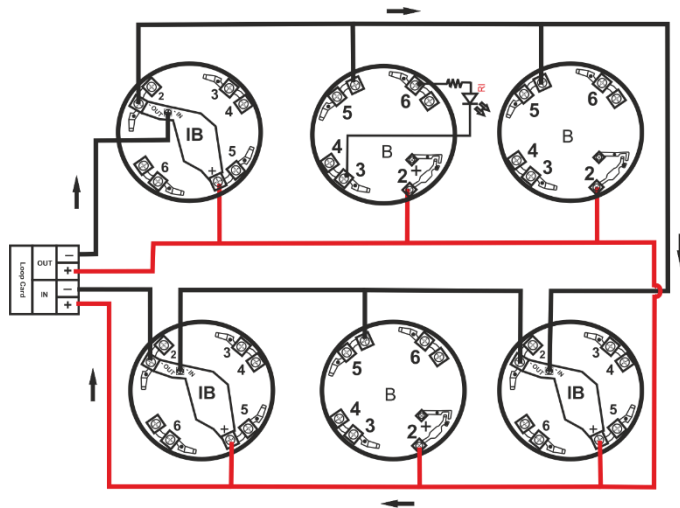
### Features

- UL listed and NFPA standard.
- Polarity free, Dual LED's, and 360° visibility.
- Insect Filter.
- Fixed temperature and rate of rise detection.
- Advanced detection and communication protocol.
- Easy to install.
- Sleek low-profile housing design.
- Regular 100mm base.
- Address set by 8 digit DIP switch.

### Specification

| Electrical Specification           |  |
|------------------------------------|--|
| <b>Operating Voltage</b>           | 17 ~ 28V DC.   |
| <b>Reset Voltage</b>               | Less than 3V.  |
| <b>Standby Current</b>             | 500 $\mu$ A.   |
| <b>Start up Time</b>               | 30sec.   |
| <b>Alarm Current</b>               | 5 mA .   |
| <b>Remote Output</b>               | 2mA maximum open collector.  |
| <b>Thermal Rating</b>              | 59° C (138° F).  |
| <b>Rate of Rise of Temperature</b> | 11.1° C / min (20° F/min).   |
| <b>Smoke Sensitivity</b>           | (2.12 $\pm$ 0.61) % obs/ ft. (High: 1.1; Medium: 1.4; Low: 2.3) % obs/ft |
| <b>Air Velocity</b>                | 0 – 4000 fpm   |
| <b>Detector Spacing</b>            | 9 meters   |
| <b>Operating Temperature</b>       | -10° C to 37.8° C  |
| <b>Storage Temperature</b>         | -10° C to 60° C.   |
| <b>Humidity</b>                    | 0 – 95% RH, non-condensing.  |
| Mechanical Specification           |  |
| <b>Dimension</b>                   | 60 H with base x 100 D (mm)  |
| <b>Weight</b>                      | 150 g with base  |
| <b>Material</b>                    | FR ABS plastic   |
| <b>IP Rating</b>                   | IP-42  |

## Wiring Diagram



**Note:**  
RI-Response Indicator  
B – Standard Base  
IB – Isolator Base

## Compatible Device

| Model    | Description   |
|----------|---------------|
| RE-314B  | Normal Base   |
| RE-314BI | Isolator Base |

## Compatible Panel

| Model    | Description  |
|----------|--|
| Avani    | Analogue addressable Fire Alarm Control panel expandable upto 4 loop |
| Avani db | Analogue Addressable Fire Alarm Control panel expandable upto 2 loop |
| RE-4100  | Analogue Addressable Fire Alarm Control panel expandable upto 4 loop |
| Avani XI | Analogue Addressable Fire Alarm Control panel expandable upto 8 Loop |

## Ordering Information

| Model       | Description                       |
|-------------|-----------------------------------|
| RE-317D-SHL | Addressable Multi Sensor Detector |

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