

# 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 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.



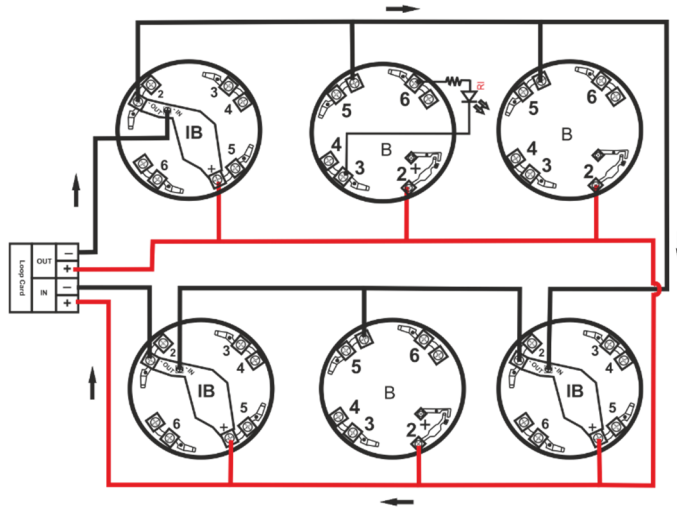
### Features

- 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 µA.
<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 ± 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>	46 H x 100 D ( mm)
<b>Weight</b>	130 g with base
<b>IP Rating</b>	IP-42

## Wiring Diagram



### Note:

RI-Response Indicator  
 B – Standard Base  
 IB – Isolator Base

## Compatible Device

Model	Description
<i>RE-314B</i>	Normal Base
<i>RE-314BI</i>	Isolator Base

## Compatible Panel

Model	Description
<i>Avani</i>	Analogue addressable Fire Alarm Control panel expandable upto 4 loop
<i>Avani db</i>	Analogue Addressable Fire Alarm Control panel expandable upto 2 loop
<i>Avani XI</i>	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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