

# RE-316SH-2L

## CONVENTIONAL MULTI SENSOR DETECTOR

### General

The conventional Multisensor detectors are designed to work with all conventional panels. These detectors are low profile, dual LED's, polarity free and 360° visual indication. The blinking LED's indicate normal operating conditions whereas the LED's in steady state to indicate fire status. RE-316SH-2L is a 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 by 11°C / min. It has an unique chamber designed to sense smoke produced by wide range of sources of combustion with insect free.

### Features

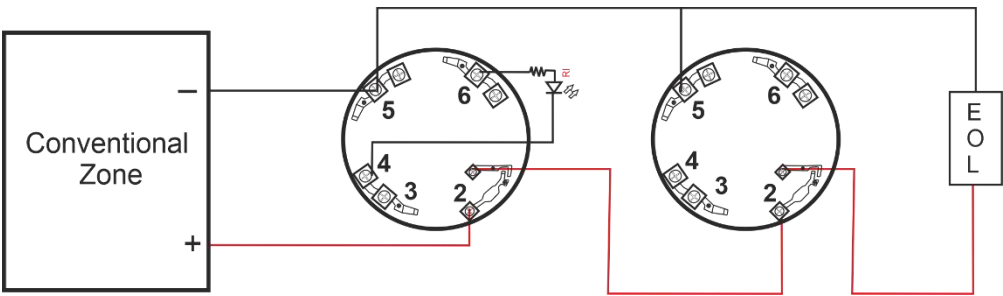
- UL Approved.
- Dual LED's for 360° visibility.
- Advanced detection technique.
- Easy to install.
- Polarity free wiring.
- Sleek low-profile housing design.
- Regular 100mm base.



### Specification

Electrical Specification	
<i>Operating Voltage</i>	9 ~ 33V DC.
<i>Reset Voltage</i>	Less than 1V.
<i>Standby Current</i>	50 µA.
<i>Start up Time</i>	60 Sec
<i>Start up Current</i>	170 µA.
<i>Alarm Current</i>	90 mA (max).
<i>Remote Output</i>	15mA maximum open collector.
<i>Thermal Rating</i>	59° C (138° F)
<i>Rate Of Rise Temperature</i>	11.1° C / min (20° F/min)
<i>Smoke Sensitivity</i>	(1.9 ± 0.76) % / ft obscuration
<i>Air Velocity</i>	0 - 4000 fpm.
<i>Operating Temperature</i>	-10° C to 37.8° C
<i>Storage Temperature</i>	-10° C to 60° C.
<i>Humidity</i>	0 - 95% RH, non-condensing.
<i>Blinking Cycle</i>	5 Sec.
<i>Installation Space</i>	5 meters.
Mechanical Specification	
<i>Dimension</i>	60 H with base x 100 D (mm)
<i>Weight</i>	130 g with base
<i>IP Rating</i>	IP42

# Wiring Diagram



Note:  
RI-Response Indicator

# Compatible Device

Model	Description
RE-314B	Normal Base
RE-364BS	Conventional Sounder Base
RE-717MZ	Addressable Zone Interface Module

# Compatible Panel

Model	Description
RE-102	Conventional 2 IDC Fire Alarm Control Panel
RE-104	Conventional 4 IDC Fire Alarm Control Panel
RE-2554	Conventional 4 IDC Fire Alarm Control Panel
RE-2558	Conventional 8 IDC Fire Alarm Control Panel
RE-900 Series	Conventional Fire Alarm Control Panel
RE-25AR	Conventional Agent Release Control Panel
RE-120GR	Conventional Gas Release Control Panel

# Ordering Information

Model	Description
RE-316SH-2L	Conventional Multi Sensor Detector with Base.

## India

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