

# RE-316S-2L

## CONVENTIONAL PHOTOELECTRIC SMOKE DETECTOR

### General

The conventional smoke detectors are designed to work with all conventional Panels. These detectors are low profile and have dual LED's for 360° visual indication. The blinking LED's indicate normal operating conditions whereas the steady state to indicate fire status. It has an unique protocol chamber designed to sense smoke produced by wide range of sources of combustion. It has a unique drift compensation feature wherein the detector adjusts its normal reference based on environment conditions.

### Features

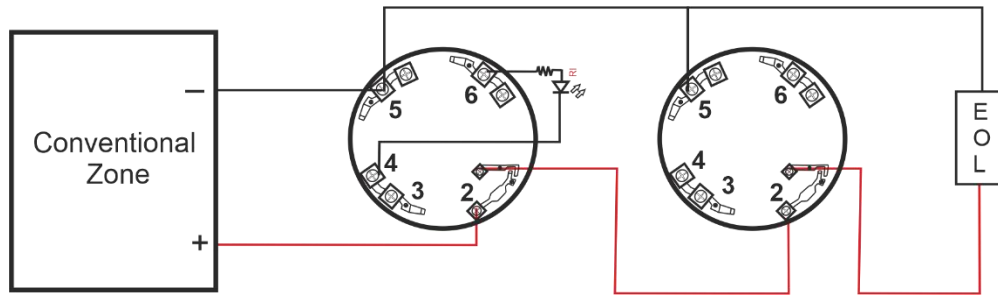
- UL listed.
- Dual LED's for 360° visibility.
- Advanced detection technique.
- Polarity free wiring
- Easy to install.
- Sleek low-profile housing design.
- Regular 100mm base.



### Specification

Electrical Specification	
<i>Operating Voltage</i>	9 ~ 33V DC.
<i>Reset Voltage</i>	Less than 1V.
<i>Standby Current</i>	50 $\mu$ A.
<i>Start up Time</i>	60 Sec.
<i>Start up Current</i>	170 $\mu$ A.
<i>Alarm Current</i>	90 mA (max).
<i>Remote Output</i>	15mA maximum open collector.
<i>Smoke Sensitivity</i>	(1.96 $\pm$ 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>Installation Space</i>	5 meters.
Mechanical Specification	
<i>Dimension</i>	46 H 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
<i>RE-314B</i>	Normal Base
<i>RE-717MZ</i>	Addressable Zone Interface Module

## Compatible Panel

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

## Ordering Information

Model	Description
RE-316S-2L	Conventional Photoelectric Smoke Detector with Base

### India

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