

# RE357S

## ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR

### General

Addressable photoelectric smoke detectors are designed to work with Addressable panel. These photoelectric smoke 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 steady state indicates fire status. 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 through fire alarm control panel. It has a unique drift compensation where the detector adjusts its normal reference based on environment conditions.

### Features

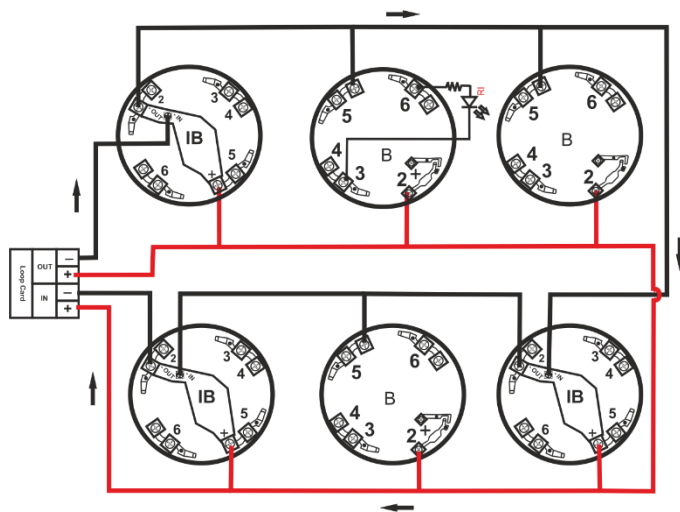
- UL listed and NFPA standard.
- Polarity free, and Dual LED's for 360° visibility.
- Advanced detection and communication protocol.
- Easy to install.
- Sleek low-profile housing design.
- Regular 100mm base.
- Address set by 8 digit DIP switch.



### Specification

Electrical Specification	
<i>Operating Voltage</i>	17 ~ 28V DC.
<i>Reset Voltage</i>	Less than 3V.
<i>Standby Current</i>	500 $\mu$ A.
<i>Start up Time</i>	30 sec.
<i>Alarm Current</i>	5 mA .
<i>Remote Output</i>	2mA maximum open collector.
<i>Smoke Sensitivity</i>	(2.12 $\pm$ 0.61) % obs/ ft (High: 1.1% obs/ft; Medium: 1.4% obs/ft; Low: 2.3% obs/ ft).
<i>Air Velocity</i>	0 – 4000 fpm.
<i>Detector Spacing</i>	9 meters
<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.
Mechanical Specification	
<i>Dimension</i>	46 H x 100 D (mm)
<i>Weight</i>	150 g with base
<i>Material</i>	FR ABS plastic
<i>IP Rating</i>	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
Aaral X4	Analogue Addressable Fire Alarm Control Panel expandable upto 4 Loop
Aaral X8	Analogue Addressable Fire Alarm Control Panel expandable upto 8 Loop

## Ordering Information

Model	Description
RE357S	Addressable Photoelectric Smoke Detector

### India

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\*Ravel reserve the right to change the specification without prior notice.

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