

RE-357S

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 a 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

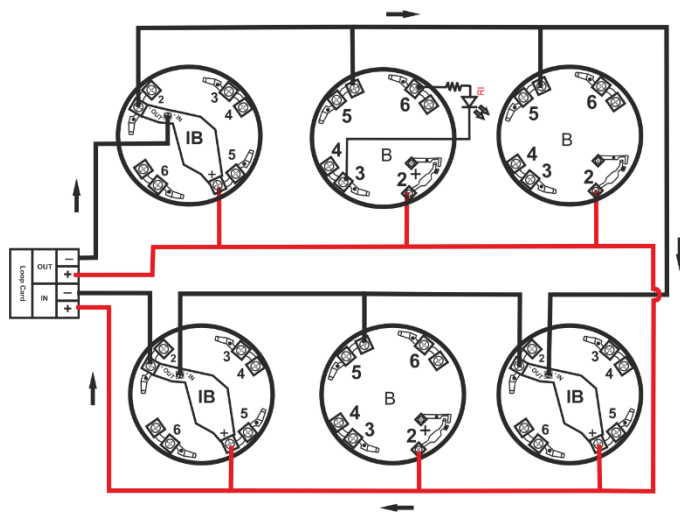
- UL listed and NFPA standard.
- Polarity free, and Dual LED's for 360° visibility.
- Advanced detection and communication protocol.
- Easy to install.
- Sleek low-profile housing design.
- Regular 100mm base.
- Address set by 8 digit DIP switch.



Specification

Electrical Specification	
<i>Operating Voltage</i>	17 ~ 28V DC.
<i>Reset Voltage</i>	Less than 3V.
<i>Standby Current</i>	500 μ 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
<i>RE-314B</i>	Normal Base
<i>RE-314BI</i>	Isolator Base

Compatible Panel

Model	Description
<i>Avani X4</i>	Analogue Addressable Fire Alarm Control Panel expandable upto 4 Loop
<i>Avani X8</i>	Analogue Addressable Fire Alarm Control Panel expandable upto 8 Loop

Ordering Information

Model	Description
RE-357S	Addressable Photoelectric Smoke Detector

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