

Intelligent, Low Profile, Plug-In Smoke Detectors

Features

- Sleek, low-profile design
- Analog communications
- Low standby current
- Rotary address switches
- Superior EMI protection

Description

Analog/Addressable intelligent plug-in smoke detectors with integral communication provide features that surpass conventional detectors. Detector sensitivity can be programmed in the control panel software. Sensitivity is continuously monitored and reported to the panel. Point ID capability allows each detector's address to be set with decade address switches, providing exact detector locations for selective maintenance when chamber contamination reaches an unacceptable level.

Model 8406 – Photoelectric detector's unique optical sensing chamber is designed with superior signal to noise ratio. It's engineered to sense smoke produced by a wide range of combustion sources. Dual electronic thermistors add 135° fixed temperature thermal sensing on the 8406.



Models 8406, 8407 and 8408

Models 8407 and 8408 – Offer 135° fixed and rate-of-rise thermal detection in a low profile package. These thermal detectors provide cost effective, intelligent property protection in a variety of applications.

Ordering Information

Catalog No.	Order No.	Description
8406	8406	(2251T) Photoelectric, w/135° thermal, low profile, less base
8407	8407	(5251P) Thermal, w/135° fixed, low profile, less base
8408	8408	(5251RP) Thermal, w/135° rate-of-rise, low profile, less base
A/A Bases		
9189	9189	(B210LP) Flanged mounting base
9296	9296	(B224RB) Relay base
9298	9298	(B224BI) Isolator base
9156	9156	(B501BH) Standard sounder base
8439	8439	(B501BHT) Temporal tone sounder base
9181	9181	(B501) 2-wire, 4" flangeless mounting base
9384	9384	(RMK400) Recessed mounting kit

Specifications

Voltage Range

15-32 Vdc peak

Standby Current (max. average)Thermal: 200 μ A @ 24 Vdc

(without communication)

300 μ A @ 24 Vdc

(one communication every 5 seconds with LED enabled)

Photo w/thermal: 250 μ A @ 24 Vdc

(without communication)

360 μ A @ 24 Vdc

(one communication every 5 seconds with LED enabled)

LED Current

6.5mA @ 24 Vdc (on)

Operating Temperature Range

Photo w/Thermal:

32° to 100°F (0 to 38°C)

Thermal:

-4° to 100°F (-20° to 38°C)

Humidity Range

10% to 93% RH, noncondensing

Thermal Ratings

Fixed temperature setpoint:

135°F (57°C)

Rate of rise detection:

15°F/min. (9.4°C/min.)

UL Listed Velocity Range

Ion: 0-1500 fpm

Photo w/thermal: 0-4000 fpm

Diameter

4.0 in. (10.2 cm)

Height

Photo: 1.66 in. (4.2 cm)

Thermal: 2.0 in. (5.1 cm)

Weight

3.6 oz. (104 grams)



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