

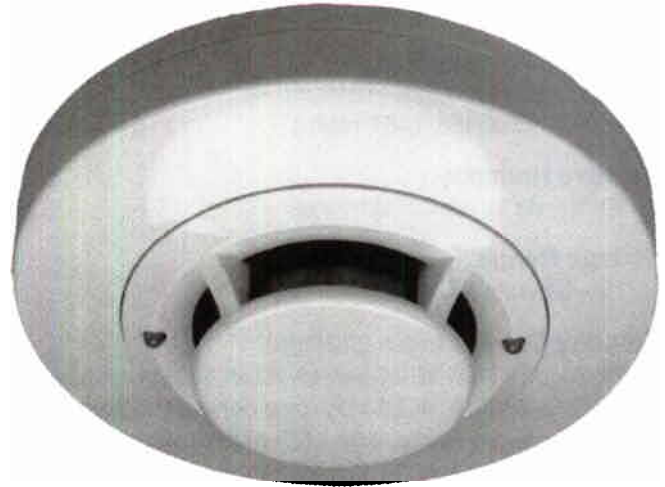
9187 Photoelectric/9188 Ionization – Addressable, Low Profile, Plug-In Smoke Detectors

Features

- Sleek, low-profile design
- Similar housing for both photo and ion unit
- Compatible with Faraday addressable products
- Addressable-analog communications
- Stable communication technique with noise immunity
- Low standby current
- Rotary decade address switches
- Optional remote LED accessory
- Made in U.S.A.

Description

Model **9187** is a plug-in type smoke sensor that combines a photoelectric sensing chamber with addressable-analog communications. The sensor transmits an analog representation of smoke density over a communication line to a control panel. Rotary-decade switches are provided for setting the sensor's address. Two LEDs on the sensor are controlled by the panel to indicate sensor status. Model **9188** is an intelligent ionization sensor that uses a state-of-the-art sensing chamber.

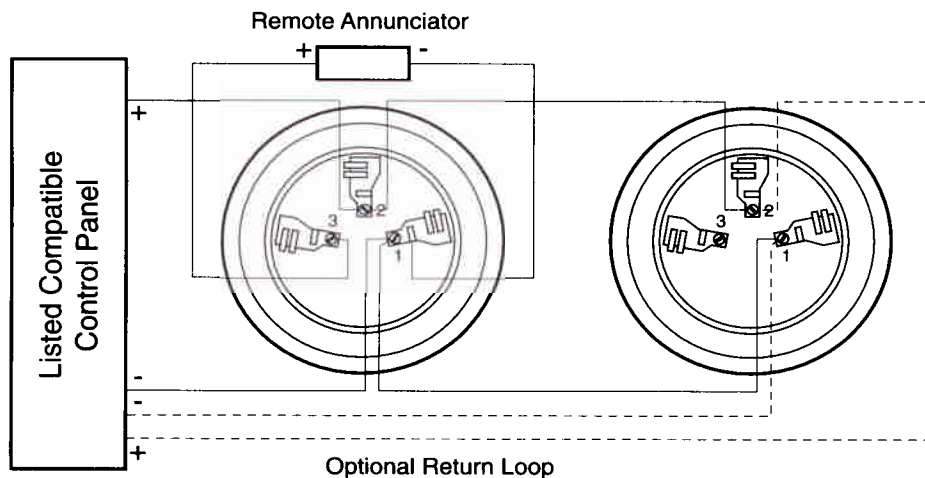


9187 Photoelectric/9188 Ionization – Addressable, Smoke Detector with base

These sensors are designed to provide open area protection and are intended for use with compatible control panels only.

Two LEDs on each sensor light to provide a local, visible sensor indication. The LEDs can be latched on by code command from the control panel for an alarm indication. The LEDs can also be unlatched to the normal condition by code command.

Remote LED annunciator (p/n 9180) capability is also available as an optional accessory for both the 9187 and 9188 units.



Detail - Typical wiring diagram with 9181 and 9189 bases

Specifications

Operating Temperature Range:
32° to 120°F (0° to 49°C)

UL Listed Velocity Range:
Photo: 0 - 4000 fpm (1219 mpm)
Ion: 0 - 1500 fpm (457 mpm)

Relative Humidity:
10 % - 93 % noncondensing

Voltage Range:
15 - 32 volts DC peak

Standby Current (max. average):
Photo: 230 µA @ 24 Vdc (without communication)
285 µA @ 24 Vdc (one communication every 5 sec. with LED enabled)
Ion: 200 µA @ 24 Vdc (without communication)
300 µA @ 24 Vdc (one communication every 5 sec. with LED enabled)

LED Current (max.)
6.5 mA @ 24 Vdc (on)

Height:
1.7" (43 mm) installed in 9189 base

Diameter:
6.2" (155 mm) installed in 9189 base
4.1" (104 mm) installed in 9181 base

Shipping Weight:
3.6 oz. (104 g)

Approvals and Listings:

- UL, file S911 (UROX)
- CSFM listed - 7272-1209:160 (Photoelectric)
7271-1209:158 (Ionization)
- MEA approved, 205-94-E
- FM approved, 0X5A5.AY

Ordering Information

Catalog No.	Order No.	Description
9187	9187	(2251) Photoelectric Smoke Detector, low profile, less base
9188	9188	(1251) Ion Smoke Detector, low profile, less base

Accessories

9189 9189 (B210LP) 6.1" flanged adapter base
9180 9180 (RA400Z) Remote LED annunciator, 3-32 Vdc, fits single gang box

Note: These devices are OEM manufactured for Faraday by System Sensor®.



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