E2 Series Photoelectric Smoke Detectors

E2 Series

Photoelectric

Smoke Detectors

Description

The E2 series smoke detectors from System Sensor are well-known for its leading advancement in conventional detection. E2 represents easy installation and economic. E2 detectors have been highlighted for its easy installation and avant-garde features.

Easy Installation: The E2 series can be installed easily with its plug-in design which allows users to pre-wire bases. The large wire entry port and in-line terminals provide sufficient room for retracting the wire inside the base efficiently. The base enables different types of back box mounting methods including direct mounting or mount to ceiling using drywall anchors. The installation is completed by simply plugging the E2 heads into the base with a simple Stop-Drop'N Lock action.

Avant-garde aspects: The testing and maintenance of E2 detectors have been simplified by the use of a mounting base that may be pre-wired to the system, allowing the detector to be easily installed or removed. The intelligent of drift compensation and smoothing algorithm features with the E2 line to minimize nuisance alarms is out-perform than the other conventional line detectors. The 2-wire E2 detectors can link to a remote LED. The detector can indicates maintenance signal when connected to the 2W-MOD2 loop test/maintenance module or a panel equipped with the E2 protocol. On the other hand, the SENS-RDR is a wireless device which displays the sensitivity of E2 detectors in terms of per-foot obscuration.

Features

- Plug-in detector line, mounting base included
- Large wire entry port
- In-line terminals with SEMS screws
- Mounts to octagonal and single-gang back boxes, 4-square back boxes, or direct to ceiling
- Stop-Drop 'N Lock attachment to base
- Removable detector cover and chamber
- Built-in remote maintenance signaling
- Drift compensation and smoothing algorithms
- Simplified sensitivity measurement
- Loop testing via EZ Walk feature
- Built-in test switch

Agency Listings

FM APPROVED

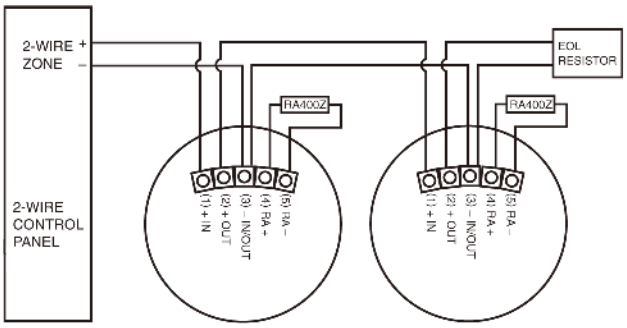
UL

Specifications

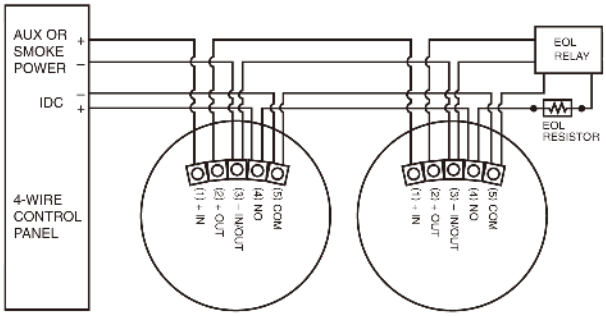
Operating Voltage Nominal: 12/24 V non-polarized
Minimum: 8.5 V
Maximum: 35 V
Maximum Ripple Voltage：30% peak to peak of applied voltage
Standby Current： 2400E: 50 μA maximum average; 2412/24E: 50 μA maximum average
Maximum Alarm Current： 2400E: 130 mA limited by control panel; 2412/24E: 20 mA @12 V, 23 mA @ 24 V
Alarm Contact Ratings（2412/24E only): 0.5 A @ 30 V AC/DC
Dimensions (including base)： 5.3 inches (127 mm) diameter; 2.0 inches (51 mm) height
Weight： 6.3 oz (178 g)
Operating Temperature Range：32°F to 120°F (0°C to 49°C);
Operating Humidity Range：0 to 95% RH non-condensing
Sensitivity： 2.5%Obs/ft nominal
Input Terminals： 14 to 22 AWG
Mounting：3½-inch octagonal back box
4-inch octagonal back box
Single-gang back box
4-inch square back box with a plaster ring
Direct mount to ceiling

Wiring Modes Of System

2400E：2-Wire Photoelectric Detector



2412/24E: 4-Wire Photoelectric Detector



Ordering Information

Part No.	Description	Wriring	UL	FM
2400E	2-Wire Photoelectric Detector	2-wire	Yes	Yes
2412/24E	4-Wire Photoelectric Detector	4-Wire	Yes	Yes
Accessories				
2W-MOD2	loop test/maintenance module	NA	Yes	Yes
SENS-RDR	sensitivity reader	NA	Yes	No

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