

800 Series

Low-Profile Plug-in Smoke/Heat Detectors



Models Available

881 Ionization Detector
882 Photoelectronic Detector
885 Heat Detector

General Description

The 800 series are 2-wire conventional low profile plug-in detectors designed to meet the performance criteria designated by UL. It is a low cost and high reliability series. A LED will be latched on to locally indicate alarm. The in (-) and out (-) terminals are short-circuited inside the detectors. When the detector is mounted, it will continue the wire to the next device or EOL resistor. When it is removed, the wire will be open for wiring supervision.

881 Model 881 is a 2-wire conventional ionization smoke detector that uses a state-of-the-art sensing chamber. These detectors are designed to provide open area protection and to be used with compatible UL listed panels only.

882 Model 882 is a 2-wire conventional photoelectronic smoke detector that use a state-of-the-art optical sensing chamber. This detector is designed to provide open area protection and to be used with compatible UL listed panels only.

885 Model 885 is a 2-wire conventional fixed temperature heat detector. These detectors are designed to provide open area protection and to be used with compatible UL listed panels only.

The 800 series are UL listed.

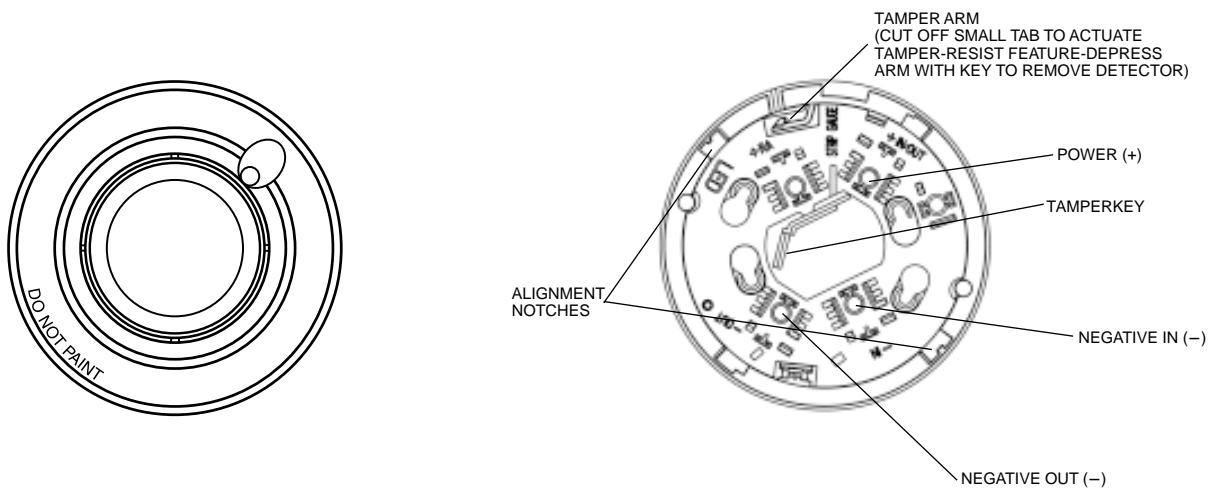
Specifications

Size

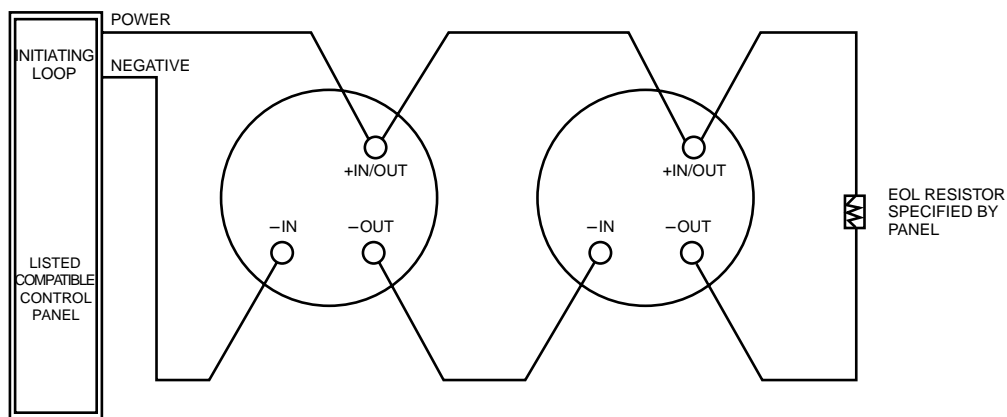
Height (With base):	5.5 cm (Ionization), 4.8cm (Heat), 5.0cm (Photoelectronic)
Diameter:	10.2 cm
Operating Temperature Range:	32°F to 100°F (0°C to 38°C) for heat, 32°F to 120°F (0°C to 49°C) for Ionization, photoelectronic
Operating Humidity Range:	5%-95% RH
Latching Alarm:	Reset by momentary power interruption
Max Air Velocity:	4000ft/min (Photoelectronic), 2000ft/min (Ionization)
Operating Voltage:	15 ~ 30VDC
Standby Current:	< 50 μ A
Alarm Current:	min 2mA @ 3.1VDC max 80mA @ 6.5VDC
Maximum Ripple Voltage:	4 Volts peak to peak
Sensitivity:	145°F (63°C) heat only



Mounting Bracket For 800 Series Detector



Wiring Diagram For 800 Series Detector



System Sensor Worldwide Manufacturing & Distribution

System Sensor Headquarters

3825 Ohio Avenue
St. Charles, IL 60174

Ph: 800-SENSOR2

Fx: 630/377-6495

Documents on Demand:

1-800-736-7672 x 3

Web: www.systemsensor.com

System Sensor - China

28 Tuan Jie South Road, Xi'an National
Hi-tech Industrial Development Zone,
Province of Shaanxi, 710075, CHINA

Ph: ++ 86.29.8832.0119

Sales Ph: ++ 86.29.8833.2810 8833.2827

Fx: ++ 86.29.8832.5110 8833.2959

Web: www.systemsensor.com.cn

E-mail: sales@systemsensor.com.cn

System Sensor - Canada

Ph: ++ 1.905.812.0767
Fx: ++ 1.905.812.0771

System Sensor - Singar

System Sensor - Singapore

Ph: ++ 65 273 2230

Fx: ++ 65.273.2610

System Sensor - Australia

Ph: ++ 613.54.281.142

Fx: ++ 613.54.281.172

System Sensor - Far East

Ph: ++ 852.2191.9003
Fx: ++ 852.2736.6580

System Sensor - Europe

System Sensor - Europe

Ph: ++ 44.1403.276500

Fx: ++ 44.1403.276501

System Sensor - India

Ph: ++ 91.124.637.1770 Extn 2700

Fx: ++ 91.124.637.3118