

800 Series Plug-in Detector



Models Available



881 Ionization Detector



882 Photoelectronic Detector



885 Heat Detector

General Description

The 800 series are 2-wire conventional low profile detectors. 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 listed control 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 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 listed control panels only.

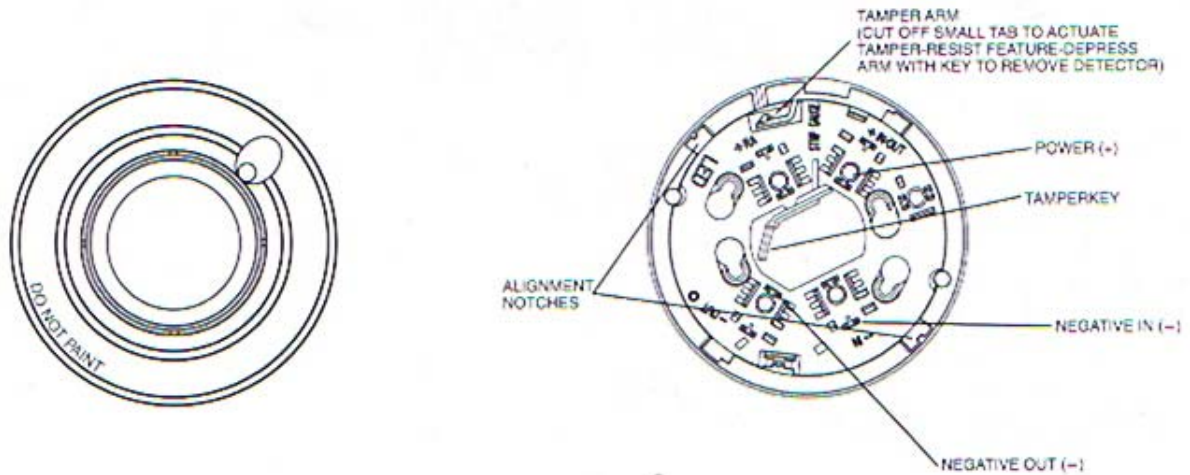
The 800 series are UL listed.

Specifications

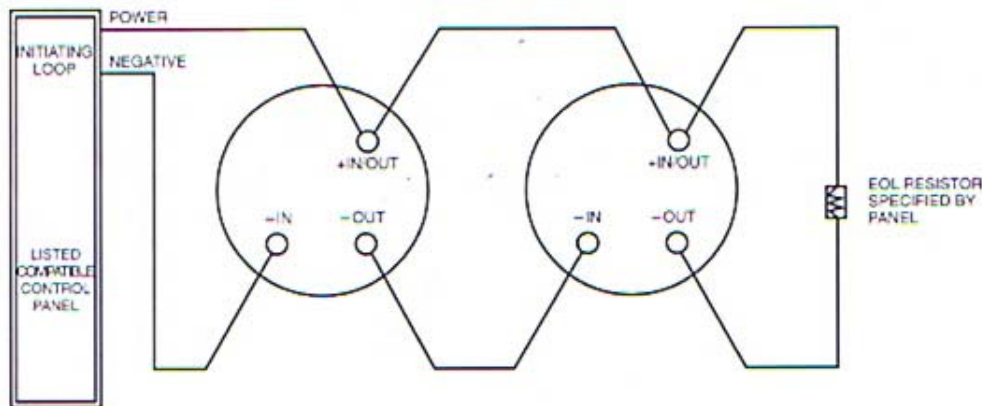
Size

Height (With base):	5.5 cm (Ionization), 4.8cm (Heat), 5.0cm (Photoelectronic)
Diameter:	10.2 cm
Operating Temperature Range:	32° to 100°F (0° to 38°C) for heat, 32° to 120°F (0° 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 Smoke 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 in China
 Ph: ++ 86.29.524.6253
 Fx: ++ 86.29.524.6259
 Web: www.systemsensor.com.cn

System Sensor in Canada
 Ph: ++1.905.812.0767
 Fx: ++1.905.812.0771

System Sensor - Far East
 Ph: ++ 852.2191.9003
 Fx: ++ 852.2736.6580

System Sensor in Europe
 Ph: ++ 44.1403.276500
 Fx: ++ 44.1403.276501

System Sensor in Singapore
 Ph: ++ 65.273.2230
 Fx: ++ 65.273.2610

System Sensor- Australia
 Ph: ++ 613.54.281.142
 Fx: ++ 613.54.281.172