

800 Series Low-Profile Plug-in Smoke/Heat Detectors



Models Available

882 Photoelectric Detector
885 Heat Detector



General Description

System Sensor's 800 series detectors are 2-wire conventional profile plug-in detectors aimed to meet the performance criteria designated by UL. The design for these detectors emphasizes economical and highly reliable. A LED will latch on when the detector is in alarm to provide a local alarm signal. 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.

The new model 882, a 2-wire conventional photoelectric smoke detector, that uses a state of the art optical sensing chamber, has a remote LED connecting feature. This detector is designed to provide an open area protection and to be used with compatible UL listed panels.

The model 885, a 2-wire conventional fixed temperature heat detector, is also designed to provide an open area protection and to be used with compatible UL listed panels.

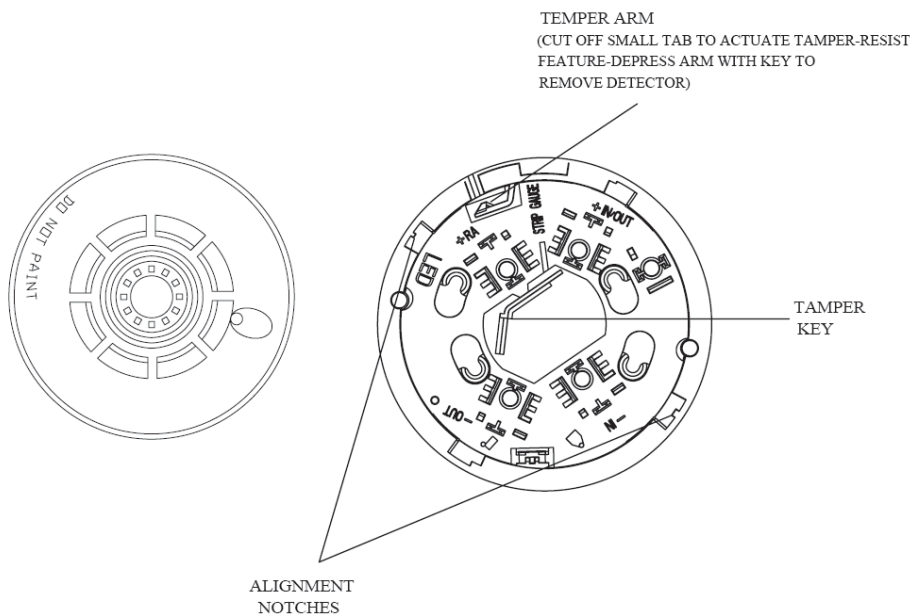
Specifications

Diameter:	10.2 cm (4")
Height(including base):	4.8 cm (1.8") for Heat 5.0cm(2.0") for Photoelectric
Operating Temperature Range:	0~38°C (32°F to 100°F) for Heat 0~49°C (32°F to 120°F) for Photoelectric
Operating Humidity Range:	10% to 93%Relative Humidity, Non-condensing
Max. Air Velocity:	20m/s (Heat only)
Latching Alarm:	Reset by momentary power interruption
Sensitivity:	63°C (145.4°F) Fixed (Heat only)
Operating Voltage:	8.5~30 VDC for Heat 8.5~35 VDC for Photoelectric
Standby Current:	≤50μA for Heat ≤90μA for Photoelectric
Alarm Current:	Min. : 2 mA for Heat ; 10mA for Photoelectric Max. : 80 mA for Heat ; 130mA for Photoelectric

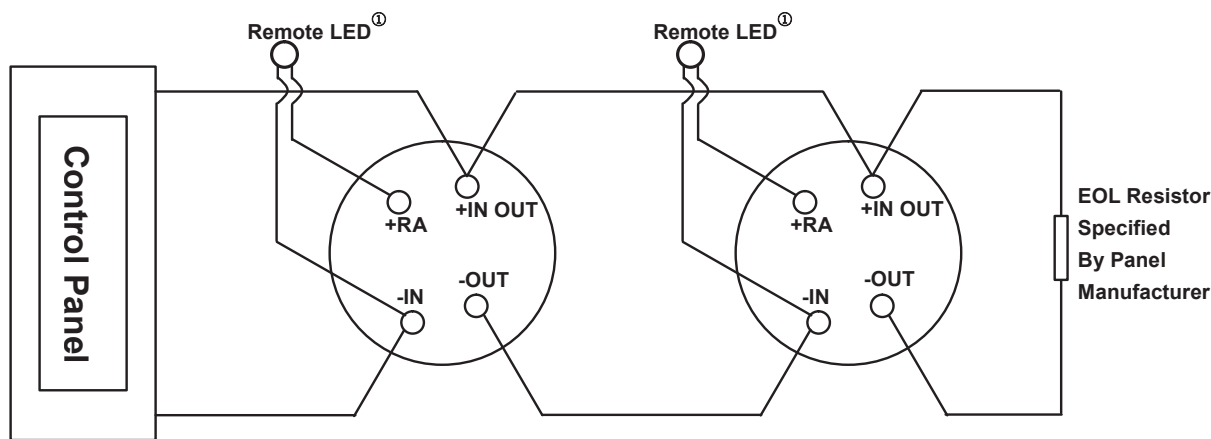
Agency Listing



Mounting Bracket for 800 Series Detector



Wiring Diagram For 800 Series Detector



Note:
① For 882: If Remote LED is not used, +RA terminal should be free and polarity of these terminals may be reversed.
For 885: +RA terminal should be free and polarity of these terminals may be reversed.

Ordering information

Detector	Product Description	Photo	Thermal	Wiring	Alarm Current
882	Photoelectronic Detector	Yes	No	2-Wire	10mA~130mA
885	Heat Detector	No	Yes	2-Wire	2mA~80mA
B801	Detector Base	NA	NA	NA	
B801RA	Detector Base	NA	NA	NA	



System Sensor Headquarters 3825 Ohio Avenue St. Charles, IL 60174 Ph: 630-377-6580 Fx: 630-377-6495 Free Phone: 800-736-7672 Web: www.systemsensor.com	System Sensor China 28 Tuan Jie South Road, Hi-Tech Development Zone Xi'an, 710075, China Ph: +86 29 85387800 Fx: +86 29 88895930 Web: www.systemsensor.com.cn	System Sensor Canada Ph: 905-812-0767 Fx: 905-812-0771 System Sensor Europe Ph: 44 (0) 1527 406700 Fx: 44 (0) 1527 406699	System Sensor Italy Ph: 39 040 949 0111 Fx: 39 040 382 137 System Sensor Mexico Ph: 54 11 4324-1909 Fx: 54 11 4324-5999	System Sensor Far East Ltd Ph: 852 21919003 Fx: 852 27366580 System Sensor Singapore Ph: 65 6273 2230	System Sensor India Ph: 91 124 2371770-270 Fx: 91 124 2373118 System Sensor Australia Ph: 61-3-5428 1142 Fx: 61-3-5428 1172
--	--	--	--	---	--