



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



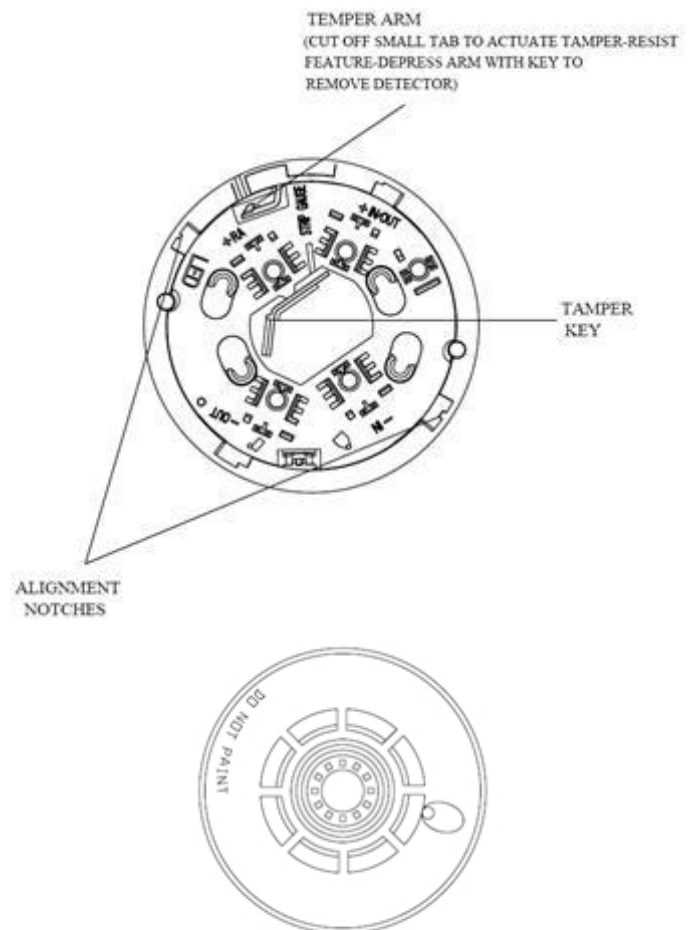
General Description

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.

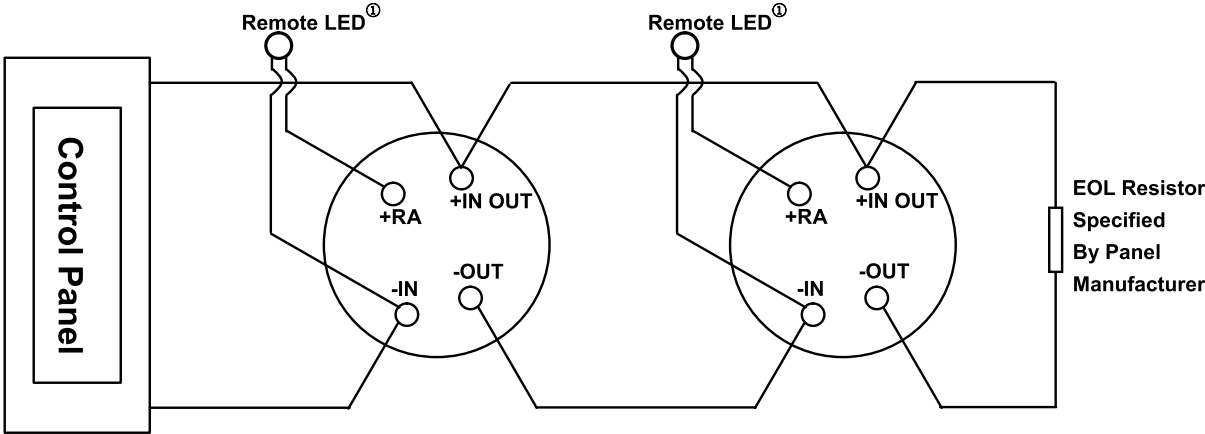
Mounting Bracket



Specifications

Model	882	885
Diameter	10.2 cm (4")	10.2 cm (4")
Height (including base)	5.0 cm (2.0")	4.8 cm (1.8")
Operating Temperature Range	0~49°C (32°F to 120°F)	0~38°C (32°F to 100°F)
Operating Humidity Range	0% to 93%RH, Non-condensing	0% to 93%RH, Non-condensing
Sensitivity	1.15 to 3.18%/FT	63°C (145.4°F) Fixed
Max. Air Velocity	20m/s	20m/s
Operating Voltage	8.5~30 VDC	8.5~30 VDC
Standby Current	≤90μA	≤50μA
Min. Alarm Current	10mA	2 mA
Max. Alarm Current	130mA	80 mA
Latching Alarm	Reset by momentary power interruption	

Wiring Diagram



- 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.
 - ② Remote output is not applicable to 885.

Ordering Information

Detector	Product Description	Photo	Thermal	Wiring	Alarm Current
882	Photoelectric 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	