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

SYSTEM SENSOR®

Models Available

882 Photoelectronic Detector
885 Heat Detector



882



885

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 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 Photoelectronic
Operating Temperature Range:	0~38°C (32°F to 100°F) for Heat 0~49°C (32°F to 120°F) for Photoelectronic
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 photoelectronic
Standby Current:	≤50μA for heat ≤90μA for photoelectronic
Alarm Current:	Min. : 2 mA for heat ; 10mA for photoelectronic Max. : 80 mA for heat ; 130mA for photoelectronic

Agency Listings

UL