



SS-Series Intelligent Detectors

The System Sensor SS-Series intelligent photoelectric and thermal detectors with integral communication provide point location for alarm communication and selective maintenance.



Features

- UL 268 7th Edition, UL 521, and/or UL 268A certified
- New modern profile
- Analog communications
- Low standby current
- Rotary address switches
- Dual LEDs for 360° visibility
- Expanded color options

SS-Series smoke detectors are intelligent (addressable) detectors with point ID capability that enable each detector address to be set with rotary address switches providing exact device locations. SS-Series detectors support current SK, LiteSpeed™ and SS Protocol systems. Refer to the Addressable Detector and Sounder Base Compatibility Chart or the Intelligent Control Panel SLC Wiring Manual for specific panel compatibility. Detector sensitivity is continually monitored and reported to the fire alarm control panel. The modern design and expanded color options support contemporary aesthetic demands. In addition, each detector is constructed for exceptional installation and maintenance efficiency.

The System Sensor **SS-PHOTO** photoelectric detector's re-designed optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources in accordance with more stringent code standards. The sensitivity of SS-Series detectors can be programmed using the control panel software to suit the environment. The **SS-PHOTO-R** photoelectric detector is also remote test capable for use with a DNR (DNRW) duct smoke detector. The **SS-PHOTO-T** multi-sensor detector offers either photoelectric detection or thermal detection through dual electronic thermistors at 135°F (57°C) fixed temperature thermal sensing.

SS-Series thermal detectors provide cost-effective, intelligent property protection with a UL 521 listing: the **SS-HEAT** offers 135°F (57°C) fixed thermal detection; the **SS-HEAT-ROR** offers 135°F (57°C) fixed and rate-of-rise thermal detection; the **SS-HEAT-HT** provides fixed high-temperature detection at 190°F.

Agency Listings



SS-PHOTO Series: S911
SS-HEAT Series: S2101



SS-PHOTO Series:
7272-1653:0529
SS-HEAT Series:
7270-1653:0528

SS-Series Intelligent Detector Specifications

| Physical/Operating Specifications | |
|------------------------------------|---|
| Height | 2.0 inches (51 mm) |
| Diameter | 6.2 inches (156 mm) installed in B300-6 base; 4.1 inches (104 mm) installed in B501-WHITE/-IV/-BL base |
| Shipping Weight | 3.4 oz (95 g) |
| Operating Temperature Range | Photo: 32°F to 122°F (0°C to 50°C) Photo with Remote Test: 32°F to 122°F (0°C to 50°C); -4°F to 158°F (-20°C to 70°C) in duct applications Photo with Thermal: 32°F to 115°F (0°C to 47°C) Heat - Fixed-temperature: -4°F to 115°F (-20°C to 47°C) Heat - Rate of Rise (ROR): -4°F to 115°F (-20°C to 47°C) Heat - High Temperature: -4°F to 150°F (-20°C to 66°C) |
| UL-Listed Velocity Range | Photo, Photo with Thermal, Photo with Remote Test: 0 to 4,000 fpm (0 to 1,219 m/minute) (suitable for installation in ducts) |
| Operating Humidity Range | 10% to 93% non-condensing |
| Thermal Ratings | Fixed Temperature Setpoint: 135°F (57°C) Rate-of-Rise Detection: 15°F/min. (8.3°C/min.) High Temperature Heat: 190°F (88°C) |
| Sensitivity Range | SS-PHOTO, SS-PHOTO-R, SS-PHOTO-T: Open area 2.86–5.0%/FT. Special Application 0.5–2.86%/FT. |
| Electrical Specifications | |
| Voltage Range | 15 to 32 VDC peak |
| Operating Current @ 24 VDC | 200 uA (one communication every 5 seconds with green LED blink on communication) |
| Maximum Current | 4.5 mA @ 24 VDC (one communication every 5 seconds with amber LED solid on) |
| Maximum Alarm Current | 2 mA @ 24 VDC (one communication every 5 seconds with red LED solid on) |

Ordering Information

| Part No. | | | Description |
|---------------|--------------|----------|---|
| White | Ivory | Black | |
| SS-PHOTO | — | — | Photoelectric smoke detector |
| SS-PHOTO-R | — | — | Photoelectric smoke detector, remote test capable, for use with DNR(W) duct smoke detectors |
| SS-PHOTO-T | — | — | Photoelectric smoke detector with thermal |
| SS-HEAT | — | — | Fixed temperature thermal detector |
| SS-HEAT-ROR | — | — | Fixed temperature and Rate-of-rise thermal detector |
| SS-HEAT-HT | — | — | High temperature thermal detector |
| Bases | | | |
| B501-WHITE | B501-IV | B501-BL | 4" Mounting base |
| B501-WHITE-BP | — | — | 4" Mounting base, bulk pack (10) |
| B300-6 | B300-6-IV | — | 6" Flanged mounting base |
| B300-6-BP | — | — | 6" Flanged mounting base, bulk pack (10) |
| B200S-WH | B200S-IV | — | Intelligent addressable sounder base |
| B200S-LF-WH | B200S-LF-IV | — | Intelligent addressable sounder base, low-frequency |
| B200SR | B200SR-IV | — | Intelligent sounder base |
| B200SR-LF | B200SR-LF-IV | — | Intelligent sounder base, low frequency |
| B224RB | B224RB-IV | — | Relay base |
| B224BI | B224BI-IV | — | Isolator base |
| Accessories | | | |
| — | SMB600 | — | Surface Mounting Kit (flanged) |
| TR300 | TR300-IV | — | Trim ring |
| CK300 | CK300-IV | CK300-BL | Color Kit (includes cover and trim ring) |
| — | RA100Z | — | RA100Z Remote LED annunciator |
| M02-04-00 | — | — | Detector test magnet |
| M02-09-00 | — | — | Telescoping test magnet |

Accessories

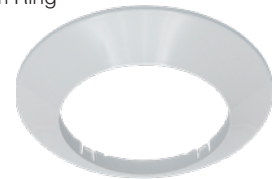
RA100Z
Remote LED
Annunciator



CK300-BL
Color Kit



TR300
Trim Ring



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SPDS-62165 Rev. B • 5/8/2024