



Select Series Intelligent Detectors

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



Features

- Designed to meet UL 268 7th Edition
- New modern profile
- Analog communications
- Low standby current
- Rotary address switches
- Dual LEDs for 360° visibility
- Expanded color options

Select 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. 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 **2351B (2351B-IV)** 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 Select Series detectors can be programmed using the control panel software to suit the environment. The **2351BR (2351BR-IV)** photoelectric duct smoke detector is also remote test capable for use with a DNR (DNRW) duct smoke detector. The **2351TB (2351TB-IV)** multi-sensor detector offers either photoelectric detection or thermal detection through dual electronic thermistors at 135°F (57°C) fixed temperature thermal sensing.

Select Series thermal detectors provide cost-effective, intelligent property protection with a UL 521 listing: the **5351B (5351B-IV)** offers 135°F (57°C) fixed thermal detection; the **5351RB (5351RB-IV)** offers 135°F (57°C) fixed and rate-of-rise thermal detection; the **5351H (5351H-IV)** provides fixed high-temperature detection at 190°F.

Agency Listings



Select 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), -4°F to 158°F (-20°C to 70°C) in duct applications Photo with Thermal: 32°F to 100°F (0°C to 38°C) Heat - Fixed-temperature: -4°F to 100°F (-20°C to 38°C) Heat - Rate of Rise (ROR): -4°F to 100°F (-20°C to 38°C) Heat - High Temperature: -4°F to 150°F (-20°C to 66°C)
UL-Listed Velocity Range	Photo/Photo with Thermal: 0 to 4,000 fpm (0 to 1219 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)
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	
2351B	2351B-IV	—	Photoelectric smoke detector
2351BR	2351BR-IV	—	Photoelectric smoke detector, remote test capable, for use with DNR(W) duct smoke detectors
2351TB	2351TB-IV	—	Photoelectric smoke detector with thermal
5351B	5351B-IV	—	Fixed temperature thermal detector
5351RB	5351RB-IV	—	Fixed temperature and Rate-of-rise thermal detector
5351H	5351H-IV	—	High temperature thermal detector
Bases			
B501-WHITE	B501-IV	B501-BL	4" Mounting base
B501-WHITE-BP	—	—	4" Flanged mounting base, bulk pack
B300-6	B300-6-IV	—	6" Flanged mounting base
B300-6-BP	—	—	6" Flanged mounting base, bulk pack
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
M02-04-01			Detector test magnet
M02-09-00			Telescoping test magnet

Accessories

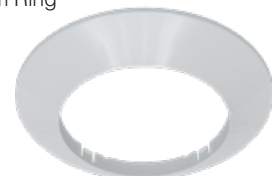
RA100Z
Remote LED
Annunciator



CK300-BL
Color Kit



TR300
Trim Ring



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