![System Sensor logo]

Select Series High Sensitivity Detector

The Pinnacle™ Select Series 7351 is a high sensitivity, photoelectric spot detector designed for Very Early Warning Fire Detection.

Features

- Very Early Warning Fire Detection capability
- New modern profile
- Analog communications
- Low standby current
- Rotary address switches
- Dual LEDs for 360° visibility
- Expanded color options
- On-board drift compensation
- Transient rejection algorithms
- Microprocessor design
- Superior EMI protection

Agency Listings

SIGNALING
UL LISTED
S911

FM APPROVED
3062622

7272-1653:0512

Pinnacle™ is a high sensitivity photoelectric smoke detector designed for Very Early Warning Fire Detection and used to protect valuable assets and operations where systems must remain functioning at all times.

The high-sensitvity detector features a smoke-sensing chamber and patented optic block designed to amplify signals from smoke but diminish stray internal reflections that can cause false alarms. New LED technology allows Pinnacle to achieve sensitivity levels from 0.02 percent-per-foot to 2 percent-per-foot obscuration – up to 25 times greater than a standard photoelectric detector. The extensive software processing includes multi-alert drift compensation, internal self-diagnostics, and superior transient signal rejection algorithms to produce unprecedented stability at ultra-high sensitivities across the full temperature range. Pinnacle provides point identification of the fire location through addressability and offers complete supervision of both the wiring and detector.

The detector is UL listed for:

- UL 268 Open Air Protection (0.5%/ft. to 2.0%/ft. obscuration).
- UL 268 Special Applications (0.02%/ft. to 0.5%/ft. obscuration).
- UL 268A Duct Applications allowing both in duct and within System Sensor models DNR and DNRW duct smoke detectors.

In addition, the new modern profile blends seamlessly with other Select Series detectors including expanded color options that support contemporary aesthetic demands.

Pinnacle is the ideal detection solution for sensitive environments that cannot tolerate even small amounts of smoke:

- Telecommunications switching facilities
- Cellular telephone infrastructure
- Integrated circuit fabrication facilities
- Computer rooms
- Traffic control centers
- Clean rooms
- Data Centers

Specifications

Physical/Operating Specifications	
Height	2.0 inches (51 mm) installed in B300-6 base
Diameter	6.2 inches (156 mm) installed in B300-6 base; 4.1 inches (104 mm) installed in B501-WHITE/-IV/-BL base
Weight	3.4 oz (95 g)
Operating Temperature Range	14 °F to 140 °F (-10 °C to 60 °C)
Operating Humidity Range	10% to 93% relative humidity, non-condensing
Air Velocity	0 to 4,000 fpm (0 to 1219 m/minute)
Isolator Load Rating	0.0063*
Self Diagnostics	Initiated by control panel Activated by test magnet
Smoke Sensitivity	9 levels: 0.02, 0.03, 0.05, 0.10, 0.20, 0.50, 1.00, 1.50, 2.00%/ft. obscuration (0.06, 0.10, 0.16, 0.33, 0.66, 1.65, 3.24, 4.85, 6.41%/m obscuration)
Drift Compensation	High sensitivity maintenance alert signal Low sensitivity maintenance alert signal Maintenance urgent signal

Electrical Specifications	
Operating Voltage Range	15 to 32 VDC
Operating Current @ 24 VDC	300 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	
7351	—	—	High sensitivity photoelectric smoke detector (laser replacement)
Bases			
B501-WHITE	B501-IV	B501-BL	4" Mounting base
B501-WHITE-BP	—	—	4" 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-WH	B200SR-IV	—	Intelligent sounder base
B200SR-LF-WH	B200SR-LF-IV	—	Intelligent sounder base, low frequency
B224RB-WH	B224RB-IV	—	Relay base
B224BI-WH	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

System Sensor®