



Select Series & Pinnacle™ 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 AS 7240.5 and AS 7240.7
- 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



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 **2351BAUS (2351BAUS-IV & 2351BUS-BL)** 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 **2351BAUS** photoelectric detector is suitable for use with a DNR-AUS (DNRW) duct smoke detector. The **2351TBAUS (2351TBAUS-IV & 2351TBAUS-BL)** multi-sensor detector offers either photoelectric detection or thermal detection through dual electronic thermistors at 59°C (A2S Class) fixed temperature thermal sensing.

Select Series thermal detectors provide cost-effective, intelligent property protection with a AS 7240.5 listing: the **5351BAUS (5351BAUS-IV & 5351BAUS-BL)** offers 59°C (A2S Class) fixed thermal detection; the **5351RBAUS (5351RBAUS-IV & 5351RBAUS-BL)** offers 59°C (A2R Class) fixed and rate-of-rise thermal detection; the **5351HAUS (5351HAUS-IV & 5351HAUS-BL)** provides fixed high-temperature detection at 88°C (Class C).

Pinnacle™ Intelligent Detectors

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



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-sensitivity 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 0.06% /m to 6.4% /m 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.

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

Agency Listings



Australian
Standard

2351TBAUS - AS 7240.7 & AS 7240.5 (A2S)
5351BAUS - AS ISO 7240.5:2018 A2S
5351RBAUS - AS ISO 7240.5:2018 A2S
5351HAUS - AS ISO 7240.5:2018 Type C
7351AUS - AS 7240.7

Listed in SAI GLOBAL Certificate# SMK40640-2 and
SMKH25312



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SPDS899-01 • 08/12/2022

Select Series Intelligent Detector Specifications

Physical/Operating Specifications	
Height	2.0 inches (51 mm)
Diameter	104 mm installed in standard plugin mounting base – B501AUS-W /-IV / -BK
Shipping Weight	3.4 oz (95 g)
Operating Temperature Range	Photo: 0°C to 50°C, –20°C to 70°C in duct applications Photo with Thermal: 0°C to 50°C Heat - Fixed-temperature: –20°C to 50°C Heat - Rate of Rise (ROR): –20°C to 50°C Heat - High Temperature: –20°C to 88°C)
Operating Humidity Range	10% to 93% non-condensing
Thermal Ratings	Fixed Temperature Setpoint: 59°C (Class A2S) Rate-of-Rise Detection: 8.3°C/min. (Class A2R) High Temperature Heat: 88°C (Class 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	
2351BAUS	2351BAUS-IV	2351BAUS-BL	Photoelectric smoke detector
2351TBAUS	2351TBAUS-IV	2351TBAUS-BL	Photoelectric smoke detector with thermal detector
5351BAUS	5351BAUS-IV	5351BAUS-BL	Fixed temperature thermal detector
5351RBAUS	5351RBAUS-IV	5351BAUS-BL	Fixed temperature and Rate-of-rise thermal
5351HAUS	5351HAUS-IV	5351HAUS-BL	High temperature thermal detector
7351AUS	7351AUS-IV	7351AUS-BL	Pinnacle™ High Sensitivity - Very Early Warning Smoke Detector
Bases			
B501BI-W	B501BI-IV	B501BI-BL	Isolator plug-in mounting base
B501AUS-W	B501AUS-IV	B501AUS-BK	Universal addressable detector base



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