



Series 200 Pinnacle Sensor

Analogue Addressable Low Profile Plug-in Laser Smoke Sensor

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200 Series intelligent plug-in Pinnacle smoke sensors, model 7251, have a laser-based photo-electric smoke chamber, giving a highly stable smoke response for sensitivities from 0.06%/m to 6.41%/m obscuration. Analogue addressable communications provide features that far surpass those of conventional detectors, and advanced software algorithms to analyse and filter the response from the patented light amplifier ensure a high degree of resistance to nuisance alarms. Manufactured by System Sensor, reliability is assured, along with a three year warranty from date of manufacture.

Individual sensor alarm thresholds are programmable within the control panel software. The F100A and F120A control panels can utilise the 9 sensitivities available from a single sensor, and react accordingly. The smoke levels within the sensor are continuously monitored and reported to the panel. With the 200 Series addressable capability, each sensor's address is easily set with decade address switches, giving the precise location of each sensor in the event of a fire or for selective maintenance when chamber contamination reaches an specific levels.

Features:

-  Sleek, low-profile design
-  Analogue addressable communications
-  Stable communication technique with noise immunity
-  Nine individual smoke sensitivity thresholds (0.06 - 6.41%/m obscuration)
-  Suitable for use in clean rooms with very high sensitivity for early warning
-  Four levels of maintenance alert
-  Low standby current
-  Rotary decade address switches, 00 to 99
-  99 sensors per loop
-  Dual red LEDs for 360° visibility
-  Optional remote LED accessory



7251 Pinnacle Sensor

Specifications:

| | | |
|------------------------------|----------------------------------|---------------|
| Size: | 42mm(h) x 104mm (w) in B501 base | |
| Shipping weight: | 159g | |
| Material: | Bayblend FR110 | |
| Operating temperature range: | -10°C to 55°C | |
| Air Velocity range: | 0 - 20m/s | |
| Smoke Sensitivity (%/m): | Level 1: 0.06 | Level 6: 1.65 |
| | Level 2: 0.1 | Level 7: 3.24 |
| | Level 3: 0.16 | Level 8: 4.85 |
| | Level 4: 0.33 | Level 9: 6.41 |
| | Level 5: 0.66 | |
| Relative humidity: | 10% to 93% non-condensing | |
| Voltage range: | 15 to 32VDC | |
| Standby current @ 24VDC: | 330µA (nominal) | |
| LED current @ 24VDC: | 6.5mA | |



B501 base



B524IEFT-1 Isolator base

Ordering Information:

Description

Analogue addressable Pinnacle sensor
 Analogue sensor base
 Analogue sensor base with integral short circuit isolator

Part Number Listing No.

7251 afp1445
 B501
 B524IEFT-1

PERTRONIC INDUSTRIES PTY LTD

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