

Analogue Addressable Acclimate Smoke Detector

2251TMBPI

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Certificate No:
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Product Overview:

200 Series analogue addressable plug-in Acclimate multi-criteria fire sensors have both a photo-electronic smoke chamber and a dual thermistor type "B" fixed temperature heat sensor. Analogue addressable communications provide features that far surpass those of conventional detectors and advanced software algorithms to combine the responses of both elements ensure a high degree of resistance to nuisance alarms.

Individual sensor alarm thresholds are programmable within the control panel software. The F100A, F120A and F220 control panels can differentiate between a heat alarm and a smoke alarm from a single sensor and react accordingly. The Smoke and Heat levels in 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 unacceptable level.

Manufactured by System Sensor, reliability is assured, along with a three year warranty from date of manufacture.



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Features:

- ▶ Sleek, low-profile design
- ▶ Analogue addressable communications
- ▶ Stable communication technique with noise immunity
- ▶ Three individual smoke sensitivity thresholds (3.3 %/m – 13 %/m)
- ▶ Two automatically adjusting smoke sensitivity thresholds
- ▶ 63°C fixed temperature alarm point (Type "B")
- ▶ Low standby current
- ▶ Rotary decade address switches, 1 to 159
- ▶ 159 sensors per loop (panel dependant)
- ▶ Dual red LEDs for 360° visibility
- ▶ Optional remote LED accessory

Specification:

| | | | |
|-----------------------|---|---|---|
| Electrical: | Operating Voltage 15 to 32 Vdc | Standby Current 360 µA @ 24 Vdc | LED Current 6.5 mA @ 24 Vdc |
| Environmental: | Operating Temperature Range 0 °C to 49 °C | | Humidity 10 to 93% RH (non-condensing) |
| Mechanical: | Dimensions (Diameter x Height) 102 x 51 mm (in B501 base) 102 x 58 mm (in B524IEFT-1 base) | | Weight 89 g (excl. base) |

- ▶ Fixed Temperature Rating: 63°C
- ▶ Smoke Sensitivity
 - Level 1 3.3 %/m
 - Level 2 3.3 %/m to 6.6 %/m Auto-Acclimatising
 - Level 3 6.6 %/m
 - Level 4 6.6 %/m to 13 %/m Auto-Acclimatising
 - Level 5 13 %/m
 - Level 6 Heat Only – 63°C



B501 Detector Base



B524IEFT-1 Isolator Detector Base

Ordering Information:

| Product Codes | Description | NZFPA Listing No. |
|---------------|---|-------------------|
| 2251TMBPI | AA Acclimate Photo-Thermal Multi Sensor excl Base | PI/340 |
| B501 | AA Base | N/A |
| B524IEFT-1 | AA Base with Isolator | PI/621 |

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