



Series 200 Acclimate Sensor

Analogue Addressable Low Profile Plug-in Acclimate Multicriteria Sensor

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200 Series intelligent plug-in Acclimate multicriteria fire sensors have both a photo-electric 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. 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 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.

Features:

- Sleek, low-profile design
- Analogue addressable communications
- Stable communication technique with noise immunity
- Three individual smoke sensitivity thresholds (2-8%/m)
- Two automatically adjusting smoke sensitivity thresholds
- 63°C fixed temperature alarm point (Type "B")
- Low standby current
- Rotary decade address switches, 000 to 159
- 159 sensors per loop (panel dependant)
- Dual red LEDs for 360° visibility
- Optional remote LED accessory



2251TMBPI Sensor

Specifications:

Size:	50.8mm(h) x 104mm (w) in B501 base
Shipping weight:	147gm
Operating temperature range:	0°C to 49°C
Air Velocity range:	20m/s
Smoke Sensitivity	Level 1: 3%/m Level 2: 3.2%/m to 6.5%/m auto acclimatising Level 3: 6.5%/m Level 4: 6.5%/m to 13%/m auto acclimatising Level 5: 13%/m Level 6: Heat only – 63°C
Heat Sensitivity	63°C fixed temperature (Type “B”)
Relative humidity:	10% to 93% non-condensing
Voltage range:	15 to 32VDC
Standby current @ 24VDC:	300µA (nominal)



B501 base



B524IEFT-1 Isolator base

Ordering Information:

Description

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

Part Number Listing No.

2251TMBPI afp2114
B501
B524IEFT-1

PERTRONIC INDUSTRIES PTY LTD

Melbourne

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