Analogue Addressable Acclimate Smoke Detector
2251TMBPI

Head Office

Wellington
PO Box 35-063
Naenae
Lower Hutt 5041
17 Eastern Hutt Rd
Wingate
Lower Hutt 5019
Tel (04) 567-3229

www.pertronic.co.nz

sales@pertronic.co.nz
tech@pertronic.co.nz

Auckland Office

PO Box 15-867
New Lynn
Auckland 0640
359 Onehunga Mall
Onehunga
Auckland 1061
Tel (09) 633-0226

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.

2251TMBPI

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	Standby Current	LED Current
	15 to 32 Vdc	360 µA @ 24 Vdc	6.5 mA @ 24 Vdc
Environmental:	Operating Temperature Range		Humidity
	0 ºC to 49 ºC		10 to 93% RH (non-condensing)
Mechanical:	Dimensions (Diameter x Height) 102 x 51 mm (in B501AUS base) 102 x 58 mm (in B524IEFT-1 base)		Weight 89 g (excl. base)

- ▶ Fixed Temperature Rating: 63 ºC
- ▶ 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

B501AUS Detector Base

B524IEFT-1 Isolator Detector Base

Ordering Information:

Product Code	Description	NZFPA Listing No.
2251TMBPI	AA Acclimate Photo-Thermal Multi Sensor excl Base	PI/340
B501AUS	AA Base	N/A
B524IEFT-1	AA Base with Isolator	PI/621