

Analogue Addressable Smoke Detectors

(1251BPI and 2251BPI)

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Product Overview:

200 Series intelligent plug-in smoke detectors with integral communication provide features that far surpass those of conventional detectors.

Individual sensor alarm thresholds are programmable within the control panel software. The smoke level in the sensor chamber is monitored continuously and reported to the panel.

Each detectors address is easily set with the 200 Series addressable decade address switches, giving the precise location of each detector in the event of a fire or for selective maintenance when chamber contamination reaches an unacceptable level.

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



1251BPI



2251BPI

Features:

- ▶ Sleek, low-profile design
- ▶ Same Housing for both Photo-electronic and Ionisation models
- ▶ Analogue Addressable communications
- ▶ Automatic Drift Compensation
- ▶ Stable communication technique with noise immunity
- ▶ Variable Sensitivity to smoke
- ▶ Low Standby Current
- ▶ Rotary Decade Address switches, 1 to 159
- ▶ Up to 159 detectors per Loop (panel dependant)
- ▶ Dual Red LEDs for 360° visibility
- ▶ Optional Remote LED accessory

Specifications:

Electrical:	Operating Voltage 15 to 32 Vdc	Quiescent Current 150 – 300 µA	LED Current (max) 6.5 mA @ 24 Vdc
Environmental:	Operating Temperature Range 0 °C to + 49 °C		Operating Humidity Range 10 % to 93 %, non-condensing
Mechanical:	Dimensions (Diameter x Height) 102 x 51 mm (in B501 base) 102 x 58 mm (in B524 EFT-1 base)		Weight 1251BPI: 99 gms (excl. base) 2251BPI: 89 gms (excl. base)

Typical Bases:



B501 Detector Base



B524IEFT-1 Detector Base

Ordering Information:

Product Code	Description	NZFPA Listing No.
1251BPI	AA Ion Smoke Detector excl Base	PI/338
2251BPI	AA Photo Smoke Detector excl Base	PI/339
B501	AA Base	N/A
B524IEFT-1	AA Base with Isolator	PI/621

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