FEATURES

- ✓ AS ISO 7240.7 and AS ISO 7240.5 certified
- ✓ Multi-criteria detection
- ✓ New modern profile
- ✓ Analog communications
- ✓ Low standby current
- ✓ Rotary address switches
- ✓ Dual LEDs for 360 visibility
- ✓ FlashScan protocol support

PRODUCT DESCRIPTION

SSF-PTI-951 are plug in addressable multi-criteria detectors. They combine photoelectric, thermal, and infrared (PTIR) sensors in one unit to sense multiple components of a fire. This approach enables enhanced sensitivity to real fire with heightened immunity to nuisance particulates.

Multiple sensors and communication can greatly reduce nuisance alarms compared to single sensing methods. Sophisticated algorithms maximize the advantages of the sensor types. This detection strategy offers heightened immunity to nuisance particulates and enhanced sensitivity to real fire.

- Photoelectric sensors detect airborne particles associated with smoke.
- Thermal sensors detect heat and rate-of-rise 57°C fixed temperature threshold.
- The infrared sensor discerns light patterns in the environment as an additional data point for alarm determination.

The SSF-PTI-951 detector reduces nuisance alarms for applications where moderate to heavy nuisance conditions exist that might cause single sensing detectors to trigger a false alarm.

The PTIR detector meets AS 7240.7 and AS 7240.5 standards requirements and can indicate distinct smoke and heat alarms. This dual nature supports a local alarm setting for photoelectric detection and a general evacuation setting based on thermal detection. This can minimize work interruptions in multi-level buildings.

TECHNICAL SPECIFICATIONS

Dimension	Size: 5.3cm high, 10.4cm diameter when installed on B501AUS
Weight	137g
Colour	White (-W), Ivory (-IV)
Operating Temperature Range	-10°C to 50°C
Operating Humidity Range	15% - 90% non-condensing
Relative Humidity	15% - 90% non-condensing
Air Velocity	0 - 91.4 m/minute

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Operating Voltage Range	15 - 32 VDC
Operating Current	200uA @ 24VDC (one communication every 5 seconds with LED enabled)
Maximum Alarm Current	2mA @ 24VDC (one communication every 5 seconds with red LED solid on)
Maximum Current	4.5mA @ 24VDC (one communication every 5 seconds with red LED solid on)
Isolator Load Rating	0.0063

ORDERING INFORMATION

Part Number	SAI Global Part No.	Description	SAI Global Cert No.
SSF-PTI-951-W	FPTI-951AUS	FlashScan multi-criteria photoelectric, thermal and infrared smoke detector - White	SMK40640-2 SMKH25312
SSF-BASE-W	B501AUS-W	White base to suit FlashScan addressable detectors	SMKH25312
SSF-ISOBASE-W	B524IEFT-1W	White isolator base to suit FlashScan addressable detectors	SMKH25312
SSF-PTI-951-IV	FPTI-951AUS-IV	FlashScan multi-criteria photoelectric, thermal and infrared smoke detector - Ivory	SMK40640-2 SMKH25312
SSF-BASE-IV	B501AUS-IV	Ivory base to suit FlashScan addressable detectors	SMKH25312
SSF-ISOBASE-IV	B524IEFT-IV	Ivory isolator base to suit FlashScan addressable detectors	SMKH25312

APPROVALS

- ✓ Approved to AS 7240.7 and AS 7240.5 A2S standards
- ✓ SAI GLOBAL Certificate SMK40640-2 and SMKH25312

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