NOTIFIER® by Honeywell

FPTI-951AUS Series

Multi-Criteria Photo/Thermal/Infrared Detectors



FPTI-951AUS in B501AUS-W

General

NOTIFIER FPTI-951AUS are plug-in addressable multicriteria detectors that replace the FAPT-851AUS Series. 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.

This ability to reject certain nuisance alarm triggers supports the use of the detector in 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.

Features

- Multi-criteria detection
- New modern profile
- Analog communications
- Low standby current
- Rotary address switches
- Dual LEDs for 360 visibility
- Expanded color options
- FlashScan® protocol support on all models; FlashScan® and CLIP protocol support on Ivory (-IV) models

Specifications

Physical/ Operating Specifications

Dimension	Size: 5.3cm high, 10.4 cm 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

Eletrical Specifications

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

Ordering Information

Detectors

FPTI-951AUS	Multi-criteria photoelectric, thermal and infrared smoke detector, FlashScan® - White
FPTI-951AUS-IV	Multi-criteria photoelectric, thermal and infrared smoke detector, FlashScan® & CLIP - Ivory

Bases

B501BI-W	White, 4" Isolator Base
B501BI-BL	Black, 4" Isolator Base
B501BI-IV	Ivory, 4" Isolator Base
B501AUS-IV	Universal addressable detector base- Ivory
B501AUS-W	Universal addressable detector base- White

Accessories

CK300-IR-BL	IR color kit (includes cover and trim ring), Black, 10-pack

Agency Listings and Approvals

These listings and approvals apply to the devices specified in this document. In some cases, certain devices or applications may not be listed by certain approval agencies, or listing may be in process. Consult NOTIFIER for the latest listing status.

- Approved to AS 7240.7 and AS 7240.5 (A2S) standards
- SAI GLOBAL Certificate SMK40640-2 and SMKH25312
- New Zealand Fire Equipment Register Listing # NI/339

This document is not intended for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

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Country of Origin: Mexico & China

For more information, contact Notifier:
Phone (Australia): 1800 220 345 (Toll free)
Phone (New Zealand): 800 220 345 (Toll free)

www.notifier.com.au
www.notifier.co.nz

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