NOTIFIER® by Honeywell

FSP-851AUS Series

Photelectric Smoke Detector

Intelligent/Addressable Devices



FSP-851AUS-IV in B501AUS-IV

General

Notifier 851 Series intelligent plug-in smoke detectors with integral communication provide features that surpass conventional detectors.

Detector sensitivity can be programmed in the control panel software. Sensitivity is continuously monitored and reported to the panel. Point ID capability allows each detector's address to be set with address switches, providing exact detector location for selective maintenance when chamber contamination reaches an unacceptable level. FSP-851AUS photoelectric detector's unique optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources.

FSP-851AUS detectors support both FlashScan and CLIP protocols and are compatible all Notifier Intelligent Fire Alarm Control Panels (FACP).

FlashScan® is a communication protocol developed by Notifier that greatly increases the speed of communication between analog intelligent devices.

Features

- Sleek, low-profile design.
- Addressable-analog communication.
- Stable communication technique with noise immunity.
- Compatible with FlashScan® and CLIP protocol Fire Alarm Control Panels.
- Rotary, decimal addressing (1-99 on CLIP systems, 1-159 on FlashScan systems).
- Dual LED design provides 360° viewing angle.
- Visible bi-color LEDs blink green every time the detector is addressed, and illuminate steady red on alarm (FlashScan systems only).
- Remote test feature from the panel.
- Walk test with address display (an address on 121 will blink the detector LED: 12-[pause]-1 (FlashScan systems only).
- Built-in functional test switch activated by external magnet.
- Built-in tamper-resistant feature.
- Optional isolator and sounder bases.
- Available in Ivory, White or Black

Specifications

PHYSICAL/OPERATING SPECIFICATIONS

- Size: 5.3cm high, 10.4 cm diameter when installed on B501AUS
- Weight: 147 g
- Operating Temperature range: -10°C to 49°C
- Operating Humidity Range: 10% - 93% non-condensing
- Air Velocity: 0 - 1219 m/minute
- Self Diagnostics: Initiated by control panel; activated by test magnet
- Drift Compensation:
  High sensitivity maintenance alert
  Low sensitivity maintenance alert
  Maintenance urgent fault signal

ELECTRICAL SPECIFICATIONS

- Operating Voltage Range: 15 - 32VDC
- Standby / Operating Current (max. average): @ 24VDC: 360 µA (one communication every 5 seconds with green LED blink on communication
- Maximum Current: 6.5 mA @ 24VDC (one communication every 5 seconds with amber LED solid on)
- Maximum Alarm Current: 6.5 mA @ 24VDC (one communication every 5 seconds with red LED solid on)

Ordering Information

Detectors

FSP-851AUS-IV	Intelligent Photoelectric Smoke Sensor - Ivory
FSP-851AUS-W	Intelligent Photoelectric Smoke Sensor - White
FSP-851AUS-BK	Intelligent Photoelectric Smoke Sensor - Black

Bases

B524IEFT-1	4" Isolator base, Ivory
B501AUS-IV	Universal addressable detector base - Ivory
B501AUS-W	Universal addressable detector base - White
B501AUS-BK	Universal addressable detector base - Black

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.

- AS7240.7: 2018 ; ActivFire certificate # afp: 3358
- New Zealand Equipment Register. Listing #NI/304

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: China

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Certified Product Australian Standard

BSI ISO9001 FS 520324 ENGINEERING & MANUFACTURING QUALITY SYSTEMS