

FSP-851AUS

Photoelectric Smoke Detector



Intelligent/Addressable Devices

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 decade address switches, providing exact detector location for selective maintenance when chamber contamination reaches an unacceptable level. The FSP-851 photoelectric detector's unique optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources. FSP-851 detectors are compatible with 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. Intelligent devices communicate in a grouped fashion. If one of the devices in the group has new information, the panel's CPU stops the group poll and concentrates on single points. The net effect is response speed greater than five times that of earlier designs.

Features

- Sleek, low-profile design.
- Addressable-analog communication.
- Stable communication technique with noise immunity.
- Low standby current.
- Two-wire SLC connection.



- 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.
- Sealed against back pressure.
- Optional relay, isolator, and sounder bases.

Approvals:

CSIRO ActivFire listed to
AS 1603.2 - 1997 (afp - 1634)

Specifications

| | |
|------------------------|---|
| Size: | 5.3cm high x 10.4cm diameter installed in B501 base |
| Operating Temperature: | FSP-851, 0°C to 49° |
| Relative Humidity: | 10%-93% noncondensing. |

Electrical Specifications

Voltage Range: 15-32 volts DC peak.

Standby Current (max. avg.): 300µA @ 24VDC (one communication every five seconds with LED enabled).

LED Current (max.): 6.5mA @ 24VDC ('ON').

Ordering Information

FG-03-011

FSP-851AUS FlashScan Photo-optical Sensor

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