

# FSI-851AUS

## Ionisation Smoke Detector



Intelligent/Addressable Devices

### General

FSI-851AUS intelligent plug-in ion detectors with integral communication have 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 locations for selective maintenance when chamber contamination reaches an unacceptable level.

The FSI-851AUS ionization detector incorporates a unique single-source, dual-chamber design to respond quickly and dependably to a broad range of fires. FSI-851AUS detectors are compatible with ONYX series and CLIP series intelligent Fire Alarm Control Panels (FACPs).

FlashScan® is a communication protocol developed by NOTIFIER that greatly improves the speed of communication between analogue intelligent devices and certain NOTIFIER systems. Intelligent devices communicate in a grouped fashion. If one of the devices within 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 other protocols.

### Features

- Sleek, low-profile design.
- Addressable-analog communication.
- Stable communication technique with noise immunity.



- Low standby current.
- Two-wire SLC connection.
- Compatible with FlashScan® and CLIP systems
- Direct-dial entry of address 01– 159 for FlashScan loops, 01– 99 for CLIP mode loops
- Dual LED design provides 360° viewing angle.
- Visible bicolor LEDs blink green every time the detector is addressed, and illuminate steady red on alarm.
- Remote test feature from the panel.
- Walk test with address display (an address of 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, or sounder bases.

### Approvals

CSIRO ActivFire listed to  
AS 1603.7 - 1996 (afp-1615)

## Specifications

Size:	51 mm high x 10.4 cm diameter installed in B501 base
Operating Temperature:	0°C to 49°C
UL/ULC-Listed Velocity Range:	ION: 365.76 m/min.
Relative Humidity:	10% – 93% noncondensing.

## Electrical Specifications

Voltage Range:	15 - 32 volts DC peak.
Standby Current (max. avg.):	300 $\mu$ A
LED Current (max.):	6.5 mA @ 24 VDC ("ON").

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