

SDX-851AUS

Photo-electric Smoke Sensor



Intelligent/Addressable Devices

General

Notifier SDX-851AUS CLIP protocol intelligent plug-in smoke sensors with integral communication provide features that surpass conventional detectors.

Sensor 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 SDX-851 photoelectric sensor's unique optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources. SDX-851 sensors are compatible with all Notifier intelligent Fire Alarm Control Panels (FACP).



Features

- CLIP Protocol.
- Flat chamber design to reduce false alarms.
- Adjustable from 1.64% to 7.71%/m obscuration.
- Fine protective mesh to stop insect entry.
- Sleek, low-profile design.
- Addressable-analogue communication.
- Stable communication technique with noise immunity.
- Low standby current.
- Two-wire SLC connection.
- Rotary, decimal addressing 1-99 .
- Dual LED design provides 360° viewing angle.
- LEDs blink red and illuminate steady red on alarm
- Remote test feature from the panel.

- 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 - 2521)

Specifications

Operating Temperature:	0°C to 49°
Relative Humidity:	10%-93% noncondensing.

Electrical Specifications

Voltage Range:	15-32 volts DC peak.
Standby Current (max. avg.):	285µA @ 24VDC (one communication every five seconds with LED blink enabled).
LED Current (max.):	6.5mA @ 24VDC ('ON').

Ordering Information

FG-03-005	SDX-851AUS photo-electric smoke sensor
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