

Brooks Australia
PRODUCT DATA SHEET
Smoke alarm

EIPFSPC - Photoelectric

9 Volt battery powered with Interconnect



- Interconnect up to 20 other 9 Volt alarms
- Suited to smouldering fires.
- Battery powered – 9 Volt alkaline (supplied)
- High performance optical chamber with integral insect screen
- Advanced suppression and calibration technology
- Built-in auto test facility
- Test button
- Simple 2 core wiring for interconnection
- Missing battery indicator
- Low battery warning
- Built in sounder
- Test button
- Certified to AS3786 - ActivFire Listed
- 5 year guarantee (Limited)

Applications

Suitable for general residential use, but specifically for sleeping areas and egress paths. Interconnect up to 20 other alarms (Ionisation alarms EIBPFSIC and EIPFSIL, Photoelectric (Optical) alarm EIBPFSPC and EIPFSTC Heat alarm). When one senses fire or smoke all alarm. Helps ensure warning will be heard throughout the dwelling.

Photoelectric (Optical) smoke alarms are most suited to fires producing visibly dense smoke, typically given off from smouldering bed linen, plastics, and fused electrical appliances. Visibly dense smoke, which also contains toxic fumes, impairs the occupant's ability to see and make their way to an exit. The design standard AS1670.1 mandates the use of photoelectric smoke detection in all sleeping areas and paths to an exit.

Product Description

The EIPFSPC is a Photoelectric (Optical) Smoke Alarm that runs on a 9V alkaline battery (supplied with the alarm). The 9V battery will last for up to 2 years.

The EIPFSPC has an advanced high performance optical chamber fitted with integral insect screen to reduce the effects of insects and debris build up which may cause false alarms. Optical smoke alarms use the light scatter principle to detect smoke particles entering the optical chamber within the alarm.

The EIPFSPC has the ability to interconnect up to twenty alarms to allow all alarms to sound if just one of the interconnected alarms should be triggered. Interconnecting all alarms significantly increases the audible warning provided and the chances of waking sleeping occupants. This provides early warning throughout the building or dwelling, no lost time while the fire threat grows.

The EIPFSPC has built in circuitry to aid suppression of RF interference to further reduce the chances of false alarms under such conditions as well as soldered alarm sounder contacts to prevent sounder failure due to pressure fit contact

corrosion, an identified source of occupant warning failure.

Operation

- The test button will flash red every 40 seconds to show that the detector has performed an automatic self test
- The red indicator will flash rapidly to show an alarm condition for the smoke detector
- The "Test/Hush" button will either silence false alarms or perform a unit self test
- In "Test" mode the alarm will perform a self test and sound the horn
- When interconnected to other C series 9 volt alarms, an alarm on one sensor will trigger all other interconnected alarms within one second (only the triggered alarm will flash a red indicator)
- The smoke detector will emit a beep and flash the red light every 40 seconds to indicate that the battery back up is depleted and needs replacing

For further details see the operator and installer manuals

Technical Specification

Sensor:	Optical, uses light scatter from smoke (Note: Sensing chamber meets the 25mm stand-off installation requirements of AS1670.1 and AS1670.6)
Ambient Light:	Chamber housing and compensation overcomes possible problems due to stray light
Sensitivity:	Complies with AS 3786
Source:	Contains NO radioactive material
Airspeed:	Essentially immune to the effects of airspeed
Test Facility:	Simulates the effect of smoke and checks electronics and horn
Automatic Self-Test:	Smoke chamber is tested every 40 seconds and unit beeps (without LED flash) if the sensor is de-graded
Insect Screen:	1mm diameter stainless steel mesh mitigates insect and debris entry into the smoke chamber.
Supply:	9 Volt Alkaline battery
Power 'ON' Indicator:	Test button flashes every 40 seconds
Low Battery Warning:	Beeps every 40 second when the stand-by battery reaches it depletion threshold
Alarm Sounder:	Integral electronic piezo horn.
Alarm Sounder Connection:	Piezo contacts are soldered to prevent failure due to contact corrosion over time.
Alarm Sounder Output:	85 dB (minimum) at 3m.
Alarm Status Indicator:	Red LED flashes every second on device sensing fire.
Temperature Range:	0°C to 40°C
Humidity Range:	0% to 90% Relative Humidity.
Conformal Coating:	Wax coating applied to PCB to mitigate the effects of contamination
Interconnection:	Up to 20 C series smoke or heat alarms may be interconnected. (NOTE: Do not interconnect to other manufacturer's devices)
Fixing:	Fixing hardware supplied.
Enclosure Material:	UL94VO flame retardant.
Dimensions:	140mm x 120mm x 45mm depth.
Weight:	204g
Warranty:	5 year (limited) warranty
Approvals:	<i>Australian</i> - Certified to AS3786 ActivFire afp 760 <i>International</i> - Kitemarked to BS5446-1:2000, CE Approved

Specifications subject to change

Accessories

EIBLOC – Alarm locator module