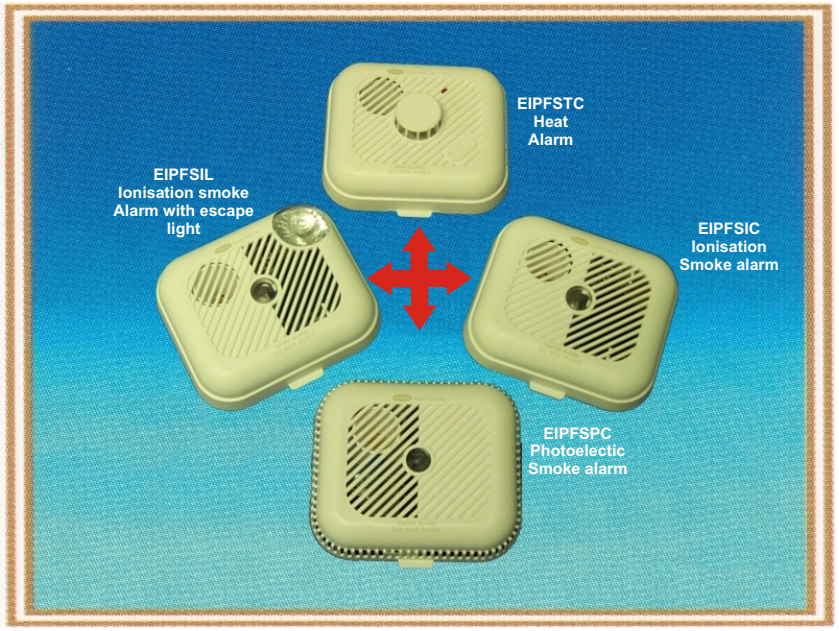
BROOKS AUSTRALIA
electrical • fire • warning systems

SMOKE ALARM SYSTEMS

9volt Interconnectable Smoke Alarms



A contributing factor in many fire fatalities, particularly in domestic fires, is the lack of warning that a fire is developing. All too often the occupants are overcome by smoke and toxic fumes long before there is any obvious sign of fire. Delay in raising the alarm reduces the time for escape and is major contributing factor in property losses from fire.
Brooks Australia provides a comprehensive range of early warning smoke/heat alarms. The use of the 9 volt interconnectable smoke/heat alarms allows for an affordable and easily installed fire alarm system. Offering the are full range of fire sensing technologies.

FEATURES

- **Ionisation, Photoelectric and Heat Technology**
- **Battery powered - 9 volt replaceable battery**
- **Low Battery Indication**
- **Easily Installed**
- **Battery Missing Indicator**
- **Test button - to ensure correct operation**
- **Tested by Scientific Services Laboratories to comply with AS3786**
- **Interconnectable - up to 12 units**
- **Five year Guarantee (Limited)**

Quality System
Quality Endorsed Company
AS3902 Lic 0475 Standards Australia

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Types of Alarms: -

Ionisation Smoke Alarms respond to a sufficiently wide range of fire to be of general use and they are particularly responsive to fast flaming fires where little visible smoke may occur. They are seldom troubled by dust or insect contamination. However, ionisation alarms are vulnerable to irritating nuisance alarms caused by cooking fumes, or portable gas heaters. Furthermore ionisation alarms will be slower to respond to smoke produced by slow smouldering fire. This type, with consideration to the above, can be installed in passageways and areas leading to bedrooms.

Photoelectric Smoke Alarms on the other hand sense visible smoke particles, again they respond to a sufficiently wide range of fires to be of general use, but they are particularly responsive to smouldering fires and the dense smoke given off by foam filled furnishings or overheated PVC wiring. They are much less prone to nuisance alarms from cooking, and furthermore, contain no radioactive material. However, all photoelectric smoke alarms are prone to nuisance alarms caused by dust or insect contamination. Mesh screens are effective in reducing insect ingress, but it is impossible to make the alarms dust proof, since they would then be effectively smoke proof! For this reason it is essential that photoelectric smoke alarms are always kept clean. This type, with consideration to the above, should be installed within bedrooms and living areas adjacent to kitchens.

Heat Alarms require the least maintenance of any alarm, because they are virtually impervious to contamination. There are instances where a Smoke Alarm installation is not recommended, the kitchen being the prime example. Yet this area of a house is the source of some 40% of fires. An alternative method of fire detection is in the opinion of many fire officers and specifiers, essential in this and other vulnerable locations of residential properties. Fixed temperature heat alarms are designed to trigger when the temperature reaches 58°C. The alarms are not sensitive to smoke, but in a closed room with a vigorous fire they will tend to respond faster than a smoke alarm out in the hallway. A heat alarm **must** be interconnected to your smoke alarms so that the alarm can be heard throughout the building. This type, with consideration to the above, can be installed in kitchens, laundry's, garages and boiler houses and other areas where there are normally high levels of fumes, smoke or dust i.e. places where smoke alarms cannot be installed without the risk of excessive nuisance alarms.

SPECIFICATION

Model	EIPFSIC	EIPFSIL	EIPFSPC	EIPFSTC
Type	Ionisation		Photoelectric	Heat
Sensor	Dual Ionisation		Detects light scattered by smoke	Thermistor
Sensitivity	Complies with BS5446 Part 1 :1990			58°C ± 4°C
Source	0.9 microcurie of Am241		N/A	N/A
Ambient Light	N/A		Chamber design and electronic compensation overcomes stray light	N/A
Airspeed	No false alarms up to 10 m/s		No effect	
Insect Screen	Prevents insects or debris entering the chamber			N/A
Dimensions (mm)	140x125x46			140x125x58
Weight (grams)	175	252	188	160
Battery Source	9 volt Battery	2 x 9 volt Battery	9 volt Battery	
Battery Life	> 1 year			
Test Button	Simulates the effect of fire and checks electronics and horn			
Standby Temp.	5°C - 45°C			
Humidity	10% - 90% relative humidity			
Alarm Indicator	LED flashes every second only on units sensing fire			
Interconnect	Up to 12 units in total, can be connected so that when senses fire all alarm			
Power On Indicator	Led flashes every 40 seconds			

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