



Ionisation  
EIPFS100TY



Photoelectric  
EIPFS105TY

A significant percentage of residential occupancies fitted with smoke alarms remain unprotected, in the main due to depleted or missing batteries. The Primary Lithium Smoke Alarm from Brooks provides Peace of Mind. With its fully integrated long life lithium battery, remembering to replace expensive batteries each year is a thing of the past. The Primary Lithium Smoke Alarm from Brooks is cost effective, reliable and long lasting solution to the early warning of fire.

The Primary Lithium Smoke Alarm from Brooks provides a performance alternative to mains powered models, is ideally suited where the installation of cabling is difficult, for dwellings without a permanent 240Volt consumer mains, Caravans and Mobile Homes.

## FEATURES

- **Both Ionisation and Photoelectric Technology**
- **Long Life Lithium Battery - built-in and tamper proof**
- **No replacing batteries**
- **Easy to install - no mains wiring**
- **Power-on indicator**
- **Hush button - to stop nuisance alarms**
- **Test button - to ensure correct operation**
- **Tested by Scientific Services Laboratories to comply with AS3786**
- **Interconnectable - up to 12 units**
- **Five year Guarantee (Limited)**

# SPECIFICATION

	<b>EIPFS100TY</b>	<b>EIPFS105TY</b>
Type	Ionisation	Photoelectric
Sensor	Dual Chamber - 33kBq Am241	Optical Chamber
Sensitivity	<b>AS3786</b>	
Insect Screen	<b>Prevents insects and debris entering the chamber</b>	
Battery	<b>9 volt Lithium</b>	
Battery Life	<b>Designed to last 10 years under normal conditions</b>	
Low Battery Warning	<b>Chirps once every 40 seconds for 30 days</b>	
Sounder	<b>Electronic Piezo Horn</b>	
Alarm Output	<b>85db at 3 metres</b>	
Test Button	<b>Simulates the effect of fire, checks electronics and horn</b>	
Hush Button	<b>Suppresses false alarms, automatically resets after 8 mins</b>	
Power-on indicator	<b>LED flashes every 40 seconds</b>	
Humidity Range	<b>10% - 90% relative humidity</b>	
Interconnectable	<b>Up to 12 units either ionisation or photoelectric</b>	
Dimensions (mm)	140x125x46	140x125x65
Weight (grams)	175	225
Certification	<b>AS3786 / BS5446. Pt1</b>	

## Which technology to use?

In choosing the correct smoke alarm for a particular location four issues must be considered.

1. What is likely to burn?
2. What type of fire am I likely to have fast flaming or slow smouldering?
3. Will the smoke given off be visibly dark.
4. What other airborne particles are likely to be present with the potential to cause a false alarm i.e. cooking fumes or steam.

The correct choice is the technology that provides the fastest response with the minimum potential for false alarms. Excessive false alarms can lead to the disabling of the smoke alarm.

**Ionisation Smoke Alarms** respond to a significantly wide range of smoke particles as to be suitable of general use. However they are particularly responsive to fast flaming fires where little visible smoke is present. They are seldom troubled by dust and insect contamination but are vulnerable to irritating nuisance alarms caused by cooking fumes, or gas heating appliances. Ionisation alarms are slower to respond to smoke particles produced by smouldering fire. Ionisation, with consideration to the above, can be installed in passageways and areas leading to bedrooms.

**Photoelectric Smoke Alarms** respond to a significantly wide range of smoke particles as to be suitable of general use. However they sense visible smoke particles and are particularly responsive to smouldering fires where optically dense smoke is given off. This includes bed linen, foam filled furnishings and overheated PVC wiring. Photoelectric smoke alarms are less prone to nuisance alarms from cooking fumes but are vulnerable to nuisance alarms from dust, steam and insect contamination. An insect screen is fitted to reduce the ingress of insects, but it is impossible to make the alarms insect and dust-proof, as this would effectively make them also smoke proof. It is essential that photoelectric smoke alarms be cleaned regularly. Photoelectric smoke alarms contain no radioactive element, and, with consideration to the above, can be installed in bedrooms and areas adjacent to kitchens.

The products detailed in this brochure represent our current product range, and whilst every effort has been made to ensure accuracy of the information supplied, customers are requested to satisfy themselves of the suitability of any product required.

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