

12 Volt Externally Powered Smoke



EIPFSIR



EIPFSPR



EIPFSTR

This comprehensive range of smoke and heat alarms is designed to operate with a suitable 12 volt dc supply panel (typically security alarm panel). Relay contacts, normally open /closed, are available for triggering the panel. The control panel must ensure that the units are always powered, even during a mains failure and that the alarm will be heard. The fire alarms can be interconnected so that when one senses fire all units located throughout the premises sound.

There are three fire sensing technologies in the range:

Ionisation Smoke Alarms: respond to all standard fires and are particularly effective in detecting the small smoke particles produced by fast flaming fires.

Photo Optical Smoke Alarms: also respond to all standard fires and are particularly effective in detecting the large smoke particles produced by slow smouldering fires (e.g. from foam filled furniture or overheated PVC wiring).

Heat Alarms: respond to high temperatures and are designed for kitchens and other areas where a smoke alarm would give excessive nuisance alarms. Heat alarms must always be used in conjunction with smoke alarms.

Specifications

MODEL	EIPFSIR	EIPFSPR	EIPFSTR
TYPE	Ionisation	Photo Optical	Thermal
SENSOR	Dual Ionisation Chamber	Detects light scattered by smoke	Fast response Thermistor
SENSITIVITY	Complies with BS5446 Part 1 :1990	Complies with BS5446 Part 1 :1990	58+/- 4°C (Response grade 1 as defined in EN 54: Part 5)
SOURCE	0.9 microcurie of Am 241	N/A	N/A
AMBIENT LIGHT	N/A	Chamber design and electronic compensation overcomes stray light	N/A
AIRSPEED	No false alarms up to 10m/s	No Effect	No Effect
INSECT SCREEN	Prevents insects or debris entering the chamber	Prevents insects or debris entering the chamber	N/A
DIMENSIONS	140x125x46mm	140x125x46mm	140x125x58mm
WEIGHT	170 grams	170 grams	150 grams
SUPPLY VOLTAGE	10.2 - 14.0 Volt		
STANDBY CURRENT	150 Microamps (max)		
ALARM CURRENT	30 - 60 mA		
CABLE	4 Core - max resistance 20 ohms		
RELAY CONTACTS	24 volts / 1amp resistive (normally open and closed supplied)		
TEST BUTTON	Simulates the effect of fire and checks electronics and horn		
POWER ON INDICATOR	LED flashes every 40 seconds		
ALARM OUTPUT	Piezo horn 85 dBA @ 3 meters		
STANDBY TEMP.	4°C to 40°C		
HUMIDITY	10-90% relative humidity		
INTERCONNECT	Up to 12 units in total, can be connected so that when one senses fire all alarm		
ALARM INDICATOR	LED flashes every second only on units sensing fire		

Brooks Australia reserves the right to alter information and specifications without notice. The details contained in this document are correct at the time of publication but may not reflect future developments.



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