

# Technology Available

Brooks Australia offers a full range of detection technologies.

- Ionisation Smoke detection
- Photoelectric Smoke detection
- Heat detection

## Ionisation Model

Operating Principle: Radioactive source ionises the air molecules within the sensing chamber.

### Advantages...

- Least expensive
- Dual chamber compensates for changing ambient conditions
- Less prone to false alarms due to dust and steam
- Suitable for general use

### Disadvantages...

- Contains radioactive material - Americium 241 0.9 microcurries
- Prone to false alarms due to fumes from cooking or gas/oil heaters
- Not sensitive to dark smoke from a slow smouldering fire

## Photoelectric Model

Operating Principle: Light scattering - transmitter produces pulses of light which are detected by a receiver when smoke enters the sensing chamber.

### Advantages...

- No radioactive material
- No legal requirements for disposal
- Particularly responsive to smouldering fires and dense smoke given off from foam filled furnishings, bed linen or over-heated PVC wiring
- Less prone to false alarms due to fumes from cooking or gas/oil heaters

- Ideally suited adjacent to kitchens and bedrooms
- Suitable for general use

### Disadvantages...

- More expensive to produce
- Prone to false alarms due to dust build up or steam - must be kept clean

## Heat Model

Operating Principle: Thermistor sensor - resistance value varies with temperature.

### Advantages...

- Ideal for those areas where protection is deemed necessary but where the use of smoke alarms will cause constant false/nuisance alarms i.e. kitchens, garages or laundries
- Whilst not sensitive to smoke, in a closed room with a vigorous fire this alarm would tend to 'alarm' faster than a smoke alarm in an adjacent hallway

### Disadvantages...

- More expensive to produce
- Not an early warning device, MUST always be interconnected to other smoke alarms within the residence.

## EASI-FIT 140 SERIES

MAINS POWERED SMOKE AND HEAT ALARMS  
WITH ALKALINE BATTERY BACK-UP



### EIB141 IONISATION WITH HUSH

- Responds quickly to fast flaming fires
- Features the unique and proven long life ionisation smoke chamber
- Easy to use Test/Hush button
- Separate mains and warning LEDs
- SSL Listed
- AS3786



### EIB144 HEAT WITH HUSH

- Ideal for protecting kitchens and garages
- Features fixed temperature fast response thermistor type sensor
- Easy to use Test/Hush button
- Separate mains and warning LEDs
- Designed to comply with relevant parts of BS5445 : Pt5 : 1977, EN54 Pt5



### EIB146 OPTICAL WITH HUSH

- More responsive to slow smouldering fires
- Features the advanced large optical chamber with proven extended life capability
- Easy to use Test/Hush button
- Separate mains and warning LEDs
- SSL Listed
- AS3786

## TECHNICAL SUPPORT

Professional technical advice on matters relating to Standards, specifications, installation and maintenance is freely available from our highly trained and experienced staff.

### BROOKS AUSTRALIA

Head Office: 4 Pike Street Rydalmere, Sydney NSW 2116

Branch offices: Adelaide, Brisbane, Darwin, Hobart, Melbourne,  
Perth



MAINS POWERED  
SMOKE & HEAT ALARMS  
WITH BATTERY BACK-UP



IT'S NOW EVEN EASIER  
TO FIT THE BEST



## Simple Installation...

New from BROOKS, EASI-FIT alarms are designed with both the contractor and specifier in mind. They're exceptionally quick and simple to install, and offer the very highest standards of safety, performance and reliability you would expect from BROOKS the leading supplier of mains powered fire detection products.

## It's as easy as...



1

Screw the mounting plate supplied with the alarm to the ceiling during First Fix. No separate enclosure required.



2

Wire up terminals on the mounting plate and clip on the protective cover.



3

Slide alarm into place - no need to wire up a separate lead and connector.

## Removal...



The alarm is removed by releasing the tamperproof clip with a screwdriver and sliding it off. The protective cover ensures that the mains cables are not exposed.

BROOKS, new budget range of mains powered smoke and heat alarms feature proven technology and are designed to be easier to fit than ever - without compromising quality.

## FIVE YEAR WARRANTY

- Limited -

- EASIER AND QUICKER TO INSTALL
- NO NEED FOR ADDITIONAL WIRING ENCLOSURE OR MOUNTING KIT - SAVE MONEY ON EVERY UNIT INSTALLED
- BUILT-IN TERMINALS AND WIRING ENCLOSURE ON MOUNTING PLATE
- AUTOMATIC CONNECTION OF MAINS AND BATTERY POWER AS ALARM SLIDES ON TO MOUNTING PLATE
- NO LEAD AND CONNECTOR REQUIRED
- ALARMS CAN BE SURFACE OR RECESS WIRED - TRUNKING KNOCK-OUT POINTS PROVIDED
- SIMPLE BATTERY REPLACEMENT
- NEW SLIM PROFILE DESIGN

## SOPHISTICATED PROTECTION...

- Hush feature on all models - controls false alarms
- Easy to use Test/Hush button
- Separate mains on and warning LED's for clearer visual indication
- Alkaline back-up battery supplied already connected
- Anti-tamper mounting plate catch
- Horn with soldered contacts for guaranteed reliability and high performance
- Technically advanced smoke chambers and electronics reduce the risk of false alarms and ensure both long life and high efficiency
- Two sets of instructions - Installer and User
- Relay available for connection to remote signalling devices - EIB 128
- Interconnectable

