

Heat Alarm

Mains Powered 230V 9 Volt Alkaline Battery-Up Heat Alarm

Model EIB144

- Easi-Fit base
- 9V Alkaline Battery back up
- Fixed temperature fast response thermistor type sensor, range 54°C to 62°C
- Test/Hush button
- Advanced suppression and calibration technology
- Interconnectable to other Brooks mains powered alarms **** Up to 12 alarms can be interconnected. In certain applications up to 20 alarms may be interconnected. Contact Brooks for further information.**
- Low standby power warning
- 5 year guarantee (Limited)



Product Description

The EIB144T is a Heat Alarm that runs on 230V AC mains power, and has a 9V alkaline battery back up in the event of mains failure. The 9V battery will last for up to 4 years in standby mode, and capable of powering the heat alarm for up to 2 years in the event of mains failure.

The EIB144T heat alarm gives a fire warning when the temperature at the unit reaches 58°C. Heat alarms are ideal for use in kitchens and garages, where the use of photoelectric or ionisation alarms would lead to unwanted nuisance alarms.

Heat alarms are not early warning as they respond to the heat generated from the fire. Heat alarms must always be interconnected to the smoke alarms located throughout the building.

The EIB144T is supplied with the Easi-Fit base that allows very quick and simple installation of the heat alarm, combined with simple heat alarm removal and replacement. The Easi-Fit base automatically connects both mains power and battery as the heat alarm slides into position on the Easi-Fit base.

The EIB144T has advanced features such as the ability to interconnect up to twelve alarms to allow all alarms to sound if just one of the interconnected

alarms should be triggered. **** See features.** The EIB144T has soldered alarm sounder contacts to prevent sounder failure due to pressure fit contact corrosion, an identified source of occupant warning failure.

The EIB144T has built in circuitry to aid suppression of voltage transients and RF interference to further reduce the chances of false alarms under such conditions.

Operation

- The green indicator will illuminate to show mains power is present
- The red indicator will flash once every 40 seconds to indicate a self test and rapidly (every second) to show an alarm condition for the smoke alarm.
- The red indicator will flash rapidly to show an alarm condition for the heat 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
- In "Hush" mode the alarm enters a ten minute period of reduced sensitivity to overcome false alarm conditions, and will then automatically reset itself
- When interconnected to other Brooks mains powered alarms, an alarm on one detector will trigger all other interconnected alarms within one second (only the triggered alarm will flash a red indicator)
- The heat detector will emit a beep every 40 seconds to indicate that the battery back-up is depleted and needs replacing

For further details see the operator and installer manuals



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Technical Specification

Sensor:	Fast Response Thermister
Source:	Contains no radioactive material
Air speed:	Essentially immune to the effect of airspeed.
Test Facility:	Simulates the effect of smoke and checks electronics and horn
Hush Facility:	In "Hush" mode the alarm enters a ten minute period of reduced sensitivity to overcome false alarm conditions, and will then automatically reset itself
Primary Supply:	230 Volts AC
Secondary Supply:	9 Volt Alkaline Battery
Low Battery Warning:	Beeps every 40 second when the stand-by battery reaches it depletion threshold
Power 'ON' Indicator:	Continuous Green LED
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:	15% to 95% Relative Humidity
Interconnection:	Up to 12 140 series smoke or heat alarms, along with one EIB128 relay base, may be interconnected. (NOTE: Do not interconnect to other manufacturer's devices)
Fixing:	Easi-Fit mounting base
Enclosure Material:	UL94VO flame retardant
Dimensions:	145mm diameter x 52mm depth.
Weight:	281g
Warranty:	5 year (limited) warranty
Approvals:	International - Kitemarked to BS5446-2:2003, CE Approved

Specifications are subject to change

Accessories

EIB127	– Surface Mount Base
EIB128	– Surface Mount Base with Relay
EIB128RBU	– Surface Mount Base with Relay and rechargeable lithium battery backup
EIB168RF	– Radiolink Base



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