Heat Alarm

MAINS POWERED 230V~

9V Alkaline Battery Back-Up

Model Ei144 Heat

- **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 Ei mains powered alarms**
- **Low power cell warning**
- **Kitemarked to BS5446-2:2003**
- **5 year guarantee**

Product Description

The Ei144 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 detector for up to 2 years in the event of mains failure.

The Ei144 is supplied with the Easi-Fit base that allows very quick and simple installation of the heat alarm. The Easi-Fit base automatically connects both mains power and battery as the detector head slides on to the Easi-Fit base.

The Ei144 has the ability to interconnect up to twelve alarms to allow all alarms to sound if just one of the interconnected alarms should be triggered.

The Ei144 has built in circuitry to aid suppression of voltage transients and RF interference to further reduce the chances of false alarms under such conditions.

The Ei144 heat alarm gives a fire warning when the temperature at the unit reaches 58^{0}C. Heat alarms are ideal for use in kitchens and garages, where the use of optical or ionisation alarms would lead to unwanted nuisance alarms.

On escape routes this alarm must be interconnected with smoke alarms.

Operation

- The green indicator will illuminate to show mains power is present
- The red indicator will flash every 40 seconds to show that the detector has performed an automatic self test
- 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 Ei 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

Ei Electronics®
fire + gas detection

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Model Ei144 Heat

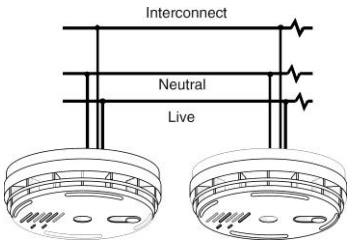
Technical Specification

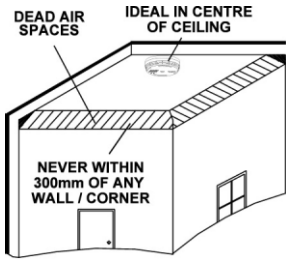
Sensor	Thermistor
Sensitivity:	Complies with BS 5446 Part 2: 2003
Source:	Contains no radioactive material
Airspeed:	Essentially immune to the effect of airspeed.
Button Test:	Simulates the effect of heat and checks electronics and horn.
Supply Voltage:	230V AC
Battery back up:	9V Alkaline Battery
Power-On Indicator:	Continuous green LED
Alarm:	Electronic Piezoelectric horn in unit
Alarm Sound Output:	85dB (minimum) at 3m
Alarm Status:	Red LED flashes every second on unit sensing heat
Temperature Range:	0° to 40°C
Humidity Range:	15% to 95% Relative Humidity
Interconnect:	Up to 12 interconnected mains powered easi-fit smoke or heat alarms, along with an EI128 relay base
Fixing:	Easi-Fit mounting base
Plastic material:	UL94VO flame retardant
Dimensions:	145mm diameter x 52mm depth
Weight:	281g
Warranty:	5 year (limited) warranty
Approvals:	Kitemarked to BS5446-2:2003, CE Approved

Specifications are subject to change

Installation & Placement

Wiring for Interconnected Alarms



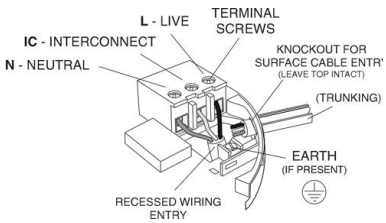


Be very careful about correctly wiring the alarms as mixing Live and Neutral will blow/damage interconnected alarms.

Locate heat alarms in rooms adjoining or on escape routes – kitchens, garages, boiler houses etc. where smoke alarms are unsuitable. Install within 5.3m of potential sources of fire.

Please consult instruction booklet for specific installation details

Important Precaution:
Do not install the actual smoke/heat alarm itself in new or renovated buildings until all work is completed (including floor coverings) and the building has been fully cleaned. The wiring can be installed when appropriate. (Excessive dust and debris from building work can contaminate the smoke chamber and cause problems, and it will also invalidate the guarantee). If it must be installed, cover it completely, particularly around the edges, with a dust cover (eg. a plastic bag), until all cleaning is finished..
Connect wires to the unit as in wiring diagram. All wiring must comply with local codes.



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