

# Heat Alarm

**MAINS POWERED 230V~**

Rechargeable Battery Back-Up

## Model Ei 164R Heat

- Remote control capability
- Easi-Fit base
- Tamper proof rechargeable lithium battery back up
- Fixed temperature fast response thermistor type sensor, range 54C to 62C
- 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 Ei164R is a Heat Alarm that runs on 230V AC mains power, and has built in tamper proof rechargeable lithium cells that act as a battery back up in the event of mains failure. These rechargeable lithium cells are designed to have a ten year life and outlast the life of the heat alarm itself, whilst providing up to six months of heat alarm operation without mains power.

The Ei164R is supplied with the Easi-Fit base that allows very quick and simple installation of the heat alarm, combined with simple detector head removal and replacement. The Easi-Fit base automatically connects both mains power and battery as the detector head slides on to the Easi-Fit base.

The Ei164R allows the detector to be controlled remotely by either a "Test/Hush" Switch (Ei152) or a Manual Call Point (MCP400). If the Ei164R is also interconnected to other Ei mains powered alarms then the whole system will be controllable remotely.

The Ei164R has built in circuitry to aid suppression of voltage transients and RF interference to further reduce the chances of false alarms under such conditions.

Heat alarms are ideal for use in kitchens and garages, where the use of optical or ionisation alarms would lead

## 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 recharging

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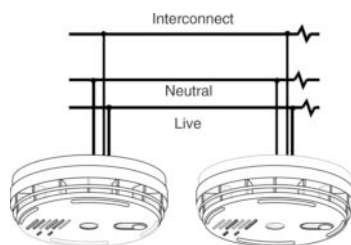
### Technical Specification

<b>Sensor</b>	Thermistor	<b>Temperature Range:</b>	0 to 40°C
<b>Sensitivity:</b>	Complies with BS 5446 Part 2: 2003	<b>Humidity Range:</b>	0% to 90% Relative Humidity
<b>Source:</b>	Contains no radioactive material	<b>Remote Control:</b>	Ei152 or MCP400
<b>Airspeed:</b>	Essentially immune to the effect of airspeed.	<b>Interconnect:</b>	Up to 12 interconnected Ei140/141/143/144/145/146/161/164/166 smoke or heat alarms, along with an Ei128 relay base
<b>Button Test:</b>	Simulates the effect of heat and checks electronics and horn.	<b>Fixing:</b>	Easi-Fit mounting base
<b>Supply Voltage:</b>	240V AC	<b>Plastic material:</b>	UL94VO flame retardant
<b>Battery back up:</b>	Rechargeable lithium cells	<b>Dimensions:</b>	145mm x52mm
<b>Power-On Indicator:</b>	Continuous green LED	<b>Weight:</b>	291g
<b>Alarm:</b>	Electronic Piezoelectric horn in unit	<b>Warranty:</b>	5 year (limited) warranty
<b>Alarm Sound Output:</b>	85dB (minimum) at 3m	<b>Approvals:</b>	Kitemarked to BS5446-2:2003, CE Approved
<b>Alarm Status:</b>	Red LED flashes every second on unit sensing heat		

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.

Alarms should be placed in accordance with the general guidelines shown in the diagram above. These recommendations are based on the problem of areas of "dead air" close to corners of rooms and apexes of ceilings, which could result in the prevention of smoke reaching the smoke detector

#### 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.