

# Heat Alarm

**MAINS POWERED 230V~**

Remote System Control Capability  
& Rechargeable Battery Back-Up

## Model Ei164RC Heat

- Remote System Control capability
- Easi-fit base
- Tamper-proof rechargeable Lithium battery back-up
- Fixed temperature 58°C fast response thermistor type sensor
- 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 Ei164RC 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. They provide up to six months of heat alarm operation without mains power.

The Ei164RC heat alarm gives a fire warning when the temperature at the unit reaches 58°C. Heat alarms are designed for use in kitchens and garages, where the use of optical or ionisation alarms would lead to unwanted nuisance alarms.

The Ei164RC also has Remote Control capability - allowing the detector to be controlled remotely from a Control Switch (Ei1529RC). This then allows remote Test, Locate and Hush functions to be performed. If the Ei164RC is also interconnected to other Ei 'RC' mains powered alarms, then the whole system can be controlled remotely. Up to twelve alarms can be interconnected which will cause all alarms to sound when one unit senses smoke/heat. A Manual Call Point (MCP401RC) is also available.

The Ei164RC is supplied with the Easi-fit base that allows very quick and simple installation of the smoke 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.

The Ei164RC has other advanced features such as 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 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 (if briefly pressed) or perform a sensor test (if pressed and held)
- In "Test" mode the alarm will perform a test on the heat sensor and sound the horn
- In "Hush" mode the alarm enters a ten-minute period of reduced sensitivity to overcome false alarm conditions. It will then automatically reset itself
- When interconnected to other Ei mains powered alarms, an alarm on one detector will trigger all other interconnected alarms (only the triggered alarm will flash a red indicator)
- The heat alarm will emit a beep every 40 seconds to indicate that the battery back up is depleted and needs recharging



Shannon Free Zone, Shannon, Co. Clare, Ireland.  
Ph.+353 61 471277 Fax.+353 61 471053  
Email. [eielectronics@eiltd.ie](mailto:eielectronics@eiltd.ie)  
Web: [www.eielectronics.com](http://www.eielectronics.com)

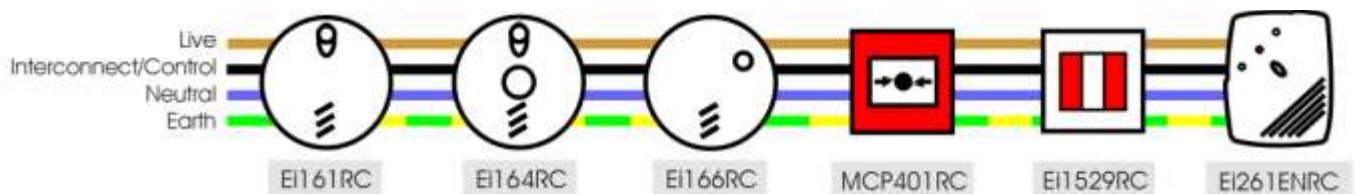
# Model Ei164RC Heat

## Technical Specification

<b>Sensor</b>	Thermistor (set temperature) 58°C +/-4°C	<b>Normal Operating Temperature Range:</b>	0 to 40°C
<b>Sensitivity:</b>	Complies with BS 5446 Part 2: 2003	<b>Humidity Range:</b>	15% to 95% Relative Humidity
<b>Source:</b>	Contains no radioactive material	<b>Interconnect:</b>	Up to 12 of these units can be interconnected: - Ei161RC/164RC/166RC smoke or heat alarms - Ei261ENRC/261DENRC CO alarm - Ei128RBU relay base Use with optional control (see below)
<b>Button Test:</b>	Tests the heat sensor and checks electronics and horn	<b>Optional Controls:</b>	- Ei1529RC Control Switch - MCP401RC Manual Call Point
<b>Automatic Self-Test:</b>	Circuitry is tested every 40 seconds and unit beeps if fault is detected	<b>Fixing:</b>	Easi-fit mounting base
<b>Supply Voltage:</b>	230V AC, 50Hz	<b>Plastic material:</b>	UL94VO flame retardant
<b>Battery back up:</b>	Rechargeable Lithium cells	<b>Dimensions:</b>	145mm diameter x 52mm depth
<b>Power-On Indicator:</b>	Continuous green LED	<b>Weight:</b>	250g
<b>Alarm:</b>	Electronic Piezoelectric horn	<b>Guarantee:</b>	5 year (limited)
<b>Alarm Sound Output:</b>	85dB(A) (minimum) at 3m	<b>Approvals:</b>	Kitemarked to BS5446-2:2003 (License no. KM83678) and CE certified
<b>Alarm Status:</b>	Red LED flashes every second on unit sensing fire		

## System Wiring

### Wiring for Interconnected Alarms with optional Remote System Control Switch & Manual Call Point



Ensure correct wiring of the alarms and switches as mixing Live and Neutral will blow / damage interconnected units.



Shannon Free Zone, Shannon, Co. Clare, Ireland.  
Ph.+353 61 471277 Fax.+353 61 471053  
Email. [eielectronics@eiltd.ie](mailto:eielectronics@eiltd.ie)  
Web: [www.eielectronics.com](http://www.eielectronics.com)