

Smoke Alarm

MAINS POWERED 230V~
Rechargeable Battery Back-Up

Model Ei 161R Ionisation

- Remote control capability
- Easi-Fit base
- Tamper proof rechargeable lithium battery back up
- High performance ionisation chamber
- Test/Hush button
- Advanced suppression and calibration technology
- Interconnectable to other Ei mains powered alarms
- Low power cell warning
- Kitemarked to BS5446-1:2000
- 5 year guarantee



Product Description

The Ei161R is an Ionisation Smoke 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 smoke alarm itself, whilst providing up to six months of smoke alarm operation without mains power.

The Ei161R 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 to the Easi-Fit base.

The Ei161R allows the detector to be controlled remotely by either a "Test/Hush" Switch (Ei152), a "Locate" Switch (Ei159) or a Manual Call Point (MCP400). If the Ei161R is also interconnected to other Ei mains powered alarms then the whole system will be controllable remotely.

The Ei161R 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 Ei161R 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 rapidly to show an alarm condition for the smoke 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 smoke detector will emit a beep every 40 seconds to indicate that the battery back up is depleted and needs recharging

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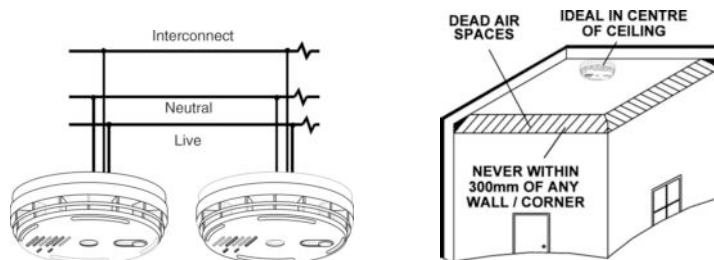
Technical Specification

Sensor	Ionisation	Temperature Range:	0° to 40°C
Sensitivity:	Complies with BS 5446 Part 1: 2000	Humidity Range:	15% to 95% Relative Humidity
Source:	Americium 241	Remote Control:	Ei152, Ei159 or MCP400
Button Test:	Simulates the effect of smoke and checks electronics and horn.	Interconnect:	Up to 12 interconnected Ei140/141/143/144/145/146/161/164/166 smoke or heat alarms, along with an Ei128 relay base
Supply Voltage:	230V AC	Fixing:	Easi-Fit mounting base
Battery back up:	Rechargeable lithium cells	Plastic material:	UL94VO flame retardant
Power-On Indicator:	Continuous green LED	Dimensions:	145mm diameter x 40mm depth
Alarm:	Electronic Piezoelectric horn in unit	Weight:	353g
Alarm Sound Output:	85dB (minimum) at 3m	Warranty:	5 year (limited) warranty
Alarm Status:	Red LED flashes every second on unit sensing fire	Approvals:	Kitemarked to BS5446-1:2000, CE Approved

Specifications are subject to change

Installation & Placement

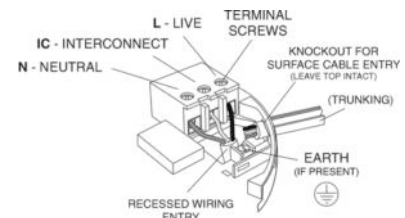
Wiring for Interconnected Alarms



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

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

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.