Smoke Alarm

Model Ei 100R Ionisation

- **High sensitivity – responds to all standard fires**
- **Dual Ionization chamber - quick response fast flaming fires**
- **Supply voltage 10.2 to 14 volts**
- **Interconnect up to 12 alarms**
- **Relay contacts**
- **Built in sounder**
- **Test button**
- **Kitemarked to BS5446-1:2000**
- **5 year guarantee**

Product Description

The Ei100R is an Ionisation Smoke Alarm that is designed to operate with suitable 12 volt control panels and to provide a loud local alarm.

Ionisation smoke alarms operate on the principle that electrical current flowing between electrodes in an ionization chamber is reduced when smoke particles enter.

Ionisation technology gives a rapid response to fast flaming fires

Relay contacts (normally open and closed supplied) are available for triggering the panel itself and its associated ancillary products, such as extra loud sirens, magnetic door holders, etc.

The alarms can be interconnected so that when one alarm senses fire, all the units located throughout the premises sound.

The Ei100R is easily installed and comes supplied with all necessary screw fixings.

Operation

- The smoke detector will activate the built in sounder upon sensing smoke particles

- The smoke detector will automatically reset itself and silence the sounder when smoke particles are no longer present in the sensing chamber

- The built in sounder will provide a minimum sound output of 85dB at 3m

- The "Test" button will perform a self test and sound the horn (it may take up to 10 seconds)

- Red LED –flashes every 40 seconds to indicate unit checks

- Interconnect up to 12 other alarms (9V ionisation, optical or heat) when one senses smoke, all alarm. Helps ensure warning will be heard throughout the house

Ei Electronics

Shannon Free Zone, Shannon, Co. Clare, Ireland.
Ph.+353 61 471277   Fx.+353 61 471053
Email. eielectronics@eiltd.ie
Web: www.eielectronics.com

Technical Specification

Sensor	Ionisation, uses electrically charged ions that will react to smoke particles	**Alarm:**	Piezoelectric-horn in unit
Sensitivity:	Complies with BS 5446 Part 1: 2000	**Alarm Sound Output:**	85dB (minimum) at 3m
		Temperature Range:	0 to 40°C
Source:	Americium 241	**Humidity Range:**	0% to 90% Relative Humidity
Airspeed:	Essentially immune to the effect of airspeed.	**Fixing:**	Screw fixings supplied
Button Test:	Simulates the effect of smoke and checks chamber, electronics and horn.	**Plastic material:**	UL94HB flame retardant
		Dimensions:	140x120x45 mm
		Weight:	150 gram
Supply Voltage:	10.2 to 14 volts	**Warranty:**	5 year (limited) warranty
		Approvals:	Kitemarked to BS5446-1:2000, CE Approved

Specifications are subject to change

Installation & Placement

DEAD AIR SPACES

IDEAL IN CENTRE OF CEILING

NEVER WITHIN 300mm OF ANY WALL / CORNER

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. (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..

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 the Instruction Leaflet supplied with the Ei100R for detailed instructions as to how to correctly install and position the smoke detector

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