

Smoke Alarm

Model Ei 186 Optical

- High sensitivity – responds to all standard fires
- Relay contacts rated at 30VDC/1 AMP
- Power supply voltage 10.5-30VDC
- Interconnect up to 12 other alarms
- Circular Easy-Fit mounting base for quick installation
- Alkaline battery back up
- Low battery warning
- Built in sounder
- Test/hush button
- Kitemarked to BS5446-1:2000
- 5 year guarantee



Product Description

The Ei186 is a smoke alarm that is designed to operate with suitable 8-30 volt control panels and to provide a loud local alarm. It senses smoke using the light scatter principle, giving a quick response to visible smouldering fires

The Ei186 has advanced features such as the ability to interconnect up to twelve alarms to allow all alarms to sound if just one of the interconnected alarms should be triggered.

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 Ei186 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/Hush” button will silence nuisance alarms if any
- The “Test/Hush” button will test detector circuitry, sounder, relay and activate all interconnected alarms



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

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Technical Specification

Sensor:	Optical, uses light scatter from smoke particles	Alarm:	Piezoelectric horn in unit
Sensitivity:	Complies with BS 5446 Part 1: 2000	Alarm Sound Output:	85dB (minimum) at 3m
Source:	Contains no radioactive material	Temperature Range:	0 to 40°C
Airspeed:	Essentially immune to the effect of airspeed.	Humidity Range:	0% to 90% Relative Humidity
Button Test:	Simulates the effect of heat and checks electronics and horn.	Fixing:	Screw fixings supplied
Supply Voltage:	10.5 to 30VDC	Plastic material:	UL94HB flame retardant
		Dimensions:	145mm diameter x 75mm depth
		Weight:	370 g
		Warranty:	5 year (limited) warranty
		Approvals:	Kitemarked to BS5446-1:2000, CE Approved

Specifications are subject to change

Installation & Placement



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 heat reaching the heat detector

Please consult the Instruction Leaflet supplied with the Ei186 for detailed instructions as to how to correctly install and position the heat 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. (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..



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