

# Ei146e - Optical Smoke Alarm

**Mains Powered 230V~  
Alkaline Battery Back-up**

## Key Features

- ▶ High performance optical sensor
- ▶ Hardwire Interconnect
- ▶ Remote Test, Locate and Silence compatible
- ▶ Easi-fit base
- ▶ Easy to use large Test/Hush button
- ▶ Memory feature
- ▶ 5 year guarantee

## Product Description

The Ei146e Optical Smoke Alarm is fitted with a proprietary photoelectric sensor to quickly sense low energy smoke particles from smoldering fires. Powered by 230V AC with a 9V user replaceable Alkaline battery backup to ensure continuous operation (up to 3 years) in the event of a power failure.

The Alarm is supplied with the "Easi-fit" base to facilitate quick and simple installation, combined with easy detector head removal and replacement. The Easi-fit base automatically connects both mains power and battery as the detector head slides on.

The Ei146e may operate as a standalone Alarm or may be interconnected via hardwire to communicate with compatible Ei Alarms and accessories. Up to 20 devices can be interconnected. Interconnecting the Ei146e with the Ei1529RC enables the user to Locate, Silence and Test the Alarms remotely.

The Alarm self-checks its sensor, battery voltage and internal circuitry every 40 seconds. A fault condition will be indicated by a short beep every 40 seconds.

The large Test and Hush button allows the user to check the operation of the Alarm. This will check the sounder, battery voltage and internal circuitry.

The memory feature allows an Alarm that has previously activated to be easily identified. This is indicated by 2 red led flashes every 40 seconds for 24 hours (after the event).



## Technical Specification

<b>Sensor Type:</b>	Photoelectric
<b>Product Life:</b>	10 Years
<b>Supply Voltage:</b>	230V AC, 50Hz
<b>Power consumption:</b>	0.75W max
<b>Battery back-up:</b>	Replaceable 9V alkaline battery back up
<b>Sound Level:</b>	85 dB(A) at 3m
<b>Button Test:</b>	Checks sensor, electronics and horn
<b>Silence function:</b>	Silences alarm for 10 minutes
<b>Visual indicators:</b>	Green LED : Power Red LED: Self-check, alarm, hush, memory & fault
<b>Memory feature:</b>	2 red flashes every 40s to indicate a previous alarm activation
<b>Fixing:</b>	Screw fixing and Easi-fit base supplied
<b>Normal Operating and Storage Temperature Range:</b>	-10°C to 40°C <sup>1</sup>
<b>Normal Operating and Storage Humidity Range</b>	15 % to 95 % Relative Humidity (non-condensing)
<b>Plastic material:</b>	UL94V0 flame retardant
<b>Dimensions:</b>	Product - 148mm x 50mm Package - 155mm x 155mm x 59mm
<b>Weight:</b>	350g (Pack +40g)
<b>Warranty:</b>	5 year (limited) warranty
<b>Approvals:</b>	



KM522831  
EN14604:2005

Manufactured to ISO 9001 quality standards  
Specifications are subject to change

1. Temperature and Humidity conditions are for normal operation and storage. Units will function outside these ranges as required by the specific product Standards. Extended exposure to conditions outside these ranges can reduce product life. For advice on prolonged operation outside these ranges consult the manufacturer.