

# Ei166e - Optical Smoke Alarm

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

## Key Features

- ▶ Remote test + control – wired & wireless
- ▶ Integrated piezo-electrical sounder
- ▶ Easi-fit base
- ▶ Insect screen
- ▶ Test/Silence button
- ▶ Memory
- ▶ Low battery indication
- ▶ Hardwire interconnect
- ▶ Wireless interconnect when fitted with Ei100MRF **RadioLINK**<sup>+</sup> module
- ▶ Kitemarked to BS EN14604:2005
- ▶ 5 year guarantee

## Product Description

The Ei166e is an Optical Smoke Alarm with 230V AC mains power supply and rechargeable lithium battery back-up.

The Ei160e family of Alarms have been designed for households and similar residential applications including HMO's (houses in multiple occupation)

The Ei166e 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 Ei166e may operate as a standalone Alarm or may be interconnected to other Alarms via a wired or wireless system. For **RadioLINK**<sup>+</sup> interconnection simply plug in the optional **RadioLINK**<sup>+</sup> module, saving time, mess and disruption in running interconnect cabling.

The Alarm is fitted with a Test / Silence button to facilitate frequent testing of your Alarm and System. The Silence function allows the Alarm / System to be silenced in the case of a false / nuisance alarm, e.g. cooking fumes.

The Ei166e is fitted with a mains "power on" green LED indicator and yellow LED indicator for fault conditions.

The memory feature allows an Alarm that has previously activated to be easily identified.



## Technical Specification

<b>Sensor Type:</b>	Optical
<b>Supply Voltage:</b>	230V AC, 50Hz
<b>Battery back-up:</b>	Rechargeable lithium backup battery
<b>Sound Level:</b>	85 dB(A) at 3 meters
<b>Temperature:</b>	Operating - 0 to 40°C Storage - 0 to 35°C (in a dry area)
<b>Humidity Range:</b>	15% to 95% Relative Humidity
<b>Button Test:</b>	Simulates the effect of smoke and checks chamber, electronics and horn
<b>Self-Test:</b>	Smoke Chamber is automatically tested every 40 seconds and unit beeps (without red LED flash) if it is degraded
<b>Insect Screen:</b>	Prevents insects or debris entering chamber (1.00mm mesh size)
<b>Plastic material:</b>	UL94VO flame retardant
<b>Dimensions:</b>	Product - 148mm x 54mm Package - 153mm x 153mm x 62mm
<b>Weight:</b>	336g (Pack +68g)
<b>Warranty:</b>	5 year (limited) warranty
<b>Approvals:</b>	



Kitemarked to  
BS EN14604:2005

Specifications are subject to change