

# Optical Smoke Alarm – Ei166e



- Mains powered with back-up 10 year rechargeable lithium cells
- High performance optical sensor, best for slow smouldering fires (e.g. sofas, TV)
- Optical sensor features built-in sealed insect mesh screen for reduced insect and dust contamination
- New and improved *easi-fit* base for quick, reliable installation
- Compatible with **RadioLINK+** interconnection and data extraction technology
- Remote Test with Alarm Controller - wired and wireless
- Integrated piezo-electrical sounder
- Has a Test/ Silence button
- 10 Year life

## FIT IN:



## FOR WIRELESS INTERCONNECTION:

ADD Ei100MRF



## PRODUCT DESCRIPTION

The Ei166e Optical Smoke Alarm from Aico represents the next step in alarm evolution, being built on the proven quality and performance of Aico's previous 160RC Series alarms.

The new slimline modern design allows the alarm to be less obtrusive in the room, whilst maintaining the highest performance. The alarm also features a large central test button to provide easier testing. The overall design complements the latest Aico alarms and accessories such as **RadioLINK+** Carbon Monoxide (CO) Alarms and the **RadioLINK+** Alarm Controller.

Aico's *easi-fit* base has been proven to give quick, reliable installation. With the Ei166e, it's been made even better. More screw holes have been added and the holes adapted so No.8 screws can be used, making installation quicker and easier. Bigger wiring terminals have been used to create more wiring space to make wiring with 1.5mm<sup>2</sup> cable easier. The base also features a trunking pull-out which allows trunking to be added quickly and neatly when surface wiring is used.

The Ei166e is mains powered with built in back-up rechargeable lithium cells. The lithium cells provide tamper-proof and maintenance free reliable back-up for the whole ten year life of the alarm. The alarm features a new and improved compact optical smoke sensor which is designed to offer the best response to slow smouldering fires (e.g. sofas, TVs). The sensor also features a built in sealed mesh screen to provide better resistance to insect and dust contamination.

The Ei166e is fully compatible with **RadioLINK+** interconnection and data extraction technology. Simply plug-in a **RadioLINK+** Module for wireless interconnection, saving disruption on installation by avoiding the need to lift floorboards or run interconnect cabling. The **RadioLINK+** Module also allows data extraction using Aico's **RadioLINK+** USB Tool (USB1) and **RadioLINK+** software.

## TECHNICAL SPECIFICATION

- Sensor Type:** Optical
- Supply Voltage:** 230V AC, 50Hz
- Power Consumption:** 0.8W
- Battery back-up:** Rechargeable Panasonic lithium cells
- Sound Level:** 85 dB(A) at 3 metres
- Temperature:** Operating - 0°C to 40°C  
Storage - 0°C to 35°C (in a dry area)
- Humidity Range:** 15% to 95% Relative Humidity
- Button Test:** Simulates the effect of smoke and checks chamber, electronics and horn  
Smoke chamber is automatically tested every 40 seconds
- Self Test:**
- Indicator LED's:** **Green** - Power  
**Red** - Alarm
- Memory:** Red LED will flash twice every 40 seconds indicating recent Alarm event
- Plastic material:** HIP UL 94 V0 Flame Retardant
- Dimensions:** Product - 150mm x 54mm  
Package - 153mm x 153mm x 62mm
- Weight:** 347g (Boxed 395g)
- Warranty:** 5 year (limited) warranty
- Approvals:**



Specifications are subject to change

Rev1 01/2018 LJD