

Ei650iRF - Intelligent Optical Smoke Alarm

Wireless Interconnect 10 Year Lithium Battery

Key Features

- ▶ High performance optical chamber
- ▶ Automatic dust compensation
- ▶ Wireless interconnect Alarms via fitted **RadioLINK+** Ei600MRF module
- ▶ AudioLINK enabled
- ▶ Easy install twist-on base
- ▶ Large easy to use Test Button
- ▶ Silence nuisance / false alarms
- ▶ Built in sounder - 85dB(A) at 3 metres
- ▶ Alarm Fault warnings
- ▶ Specific Fault Led and diagnostic procedures
- ▶ 5 Year guarantee

Product Description

The Ei650iRF optical Smoke Alarm operates on the light scatter principle to detect smoke particles entering the optical chamber. This optical Alarm is sensitive to all domestic fire types but is especially sensitive to visible smouldering fires.

The Ei650 range features a high performance optical chamber protected by a sealed mesh screen to reduce insect and dust contamination and EMC protection to reduce false alarms. In addition the Ei650iRF has an automatic **dust compensation** feature reducing further the risk of false alarms caused by dust build up.

The Ei650iRF is fitted with a **RadioLINK+** Ei600MRF module to facilitate wireless connectivity with other Ei Electronics RF devices.

The AudioLINK feature facilitates acoustic download of the Alarm parameters and status using the Ei Electronics AudioLINK app.

The Ei650iRF is fitted with a large easy to use Test Button to facilitate frequent testing of the Alarm. For better hearing comfort, the sound level of the alarm increases progressively in Test mode. The Test button can also be used to silence nuisance alarms, e.g. cooking fumes, for a 10 minute period.


The Ei650iRF self-checks its chamber sensor, battery voltage and internal circuitry every 40 seconds. Any fault condition found will be indicated by a combination of Yellow or Red LED flashes and/or sound beeps.

The Ei650iRF is designed with advanced diagnostics to help pre-warn of incumbent fault conditions.



Technical Specification

Sensor Type:	Optical
Supply Voltage:	3V Lithium Battery (non replaceable)
Sound Level:	85 dB(A) at 3m (except in Test mode)
Button Test:	Checks sensor, electronics, battery and horn
Data download:	Via the AudioLINK app or EIUSB1
Diagnostic:	Procedures available
Indicators:	Red LED - in alarm (flashes rapidly) - contaminated chamber fault Yellow LED - Low battery and defective chamber fault
RF Frequency:	868.499 MHz
Fixings:	Screw fixings and mounting plate supplied
Normal Operating and Storage Temperature:	Range 0°C to 40°C ¹
Normal Operating and Storage Humidity Range	15 % to 95 % Relative Humidity (non-condensing)
Dimensions:	Product - 115mm x 50mm
Weight:	185g
Warranty:	5 year (limited) warranty
Approvals:	

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DOP 13-0002
EN 14604:2005


G211009

Complies with Radio
Equipment Directive
2014/53/EU

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.