EIB650iRF - RadioLINK Photoelectric Smoke Alarm

Wireless Interconnect
10-year Lithium Battery

Key Features

▼ High performance photoelectric sensor
▼ Automatic dust compensation
▼ AudioLINK data download
▼ Wireless interconnect
▼ Easy install twist-on base
▼ Large easy to use Test/Hush button
▼ Alarm ramp up in Test mode
▼ Built-in sounder - 85dB(A) at 3 metres
▼ Specific Fault Led
▼ Records previous alarm activation
▼ 5 Year Guarantee (limited)

Product Description

The EIB650iRF photoelectric smoke alarm is fitted with a proprietary photoelectric sensor to quickly sense low energy smoke particles. **The EIB650iRF is a EIB650iW fitted with EIB600MRF**. This photoelectric alarm is sensitive to all domestic fire types but is especially sensitive to smouldering fires.

The EIB650i range features a high performance photoelectric chamber protected by a sealed mesh screen to reduce insect and dust contamination and EMC protection to reduce false alarms. In addition the EIB650iRF has an automatic dust compensation feature reducing further the risk of false alarms caused by dust build up.

The EIB650iRF communicates wirelessly via its preinstalled EIB600MRF RadioLINK module with compatible Brooks alarms and accessories. Up to 12 RF devices can be interconnected.

The AudioLINK feature facilitates acoustic download of the alarm parameters and status using the AudioLINK app.

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 and fault beeps for 12 hours (low battery and sensor fault).

The EIB650iRF 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 LED flashes and sound beeps.

The EIB650iRF is designed with advanced diagnostics to help pre-warn of possible impending fault conditions.

The alarm has a twist on mounting base which has multiple fixing points so it can be easily installed. The alarm is not powered until it is twisted onto the mounting base, thus avoiding battery power consumption during storage and prior to installation.

Technical Specification

Sensor Type:	Photoelectric
Supply Voltage:	3V lithium battery (non replaceable)
Interconnect:	Wireless (up to 12 interconnected devices)[2]
Frequency:	926MHz band (1% duty cycle)
RF Power:	+10dBm
RF Protocol:	Proprietary RadioLINK+ using multi-path, multi-repeater mesh architecture
RF Range:	>100 metres in free air[1]
Sound Level:	85 dB(A) at 3 metres
Button Test:	Checks sensor, electronics, battery and horn
Silence function:	Silences alarm for 10 minutes Silences fault beeps for 12 hours
Data download:	Via the AudioLINK app
Indicator LEDs:	Red LED: power up, alarm, hush & memory Yellow LED: on power up and fault Blue LED: RF transmission

Normal Operating and Storage temperature range:
-10°C to 40°C[3]

Normal operating and storage humidity range:
15% to 95% relative humidity (non-condensing)

Dimensions:	Product - 115mm x 45mm Package - 150mm x 120mm x 56mm
Weight:	210g (boxed 260g)
Warranty:	5 year (limited) warranty
Approvals:	Photoelectric (EIB650iW): AS3786:2014 +A1:2015 Module: AS/NZS4268:2012

1. Obstructions of any sort will result in a reduction in range from the free space specification. The range may vary depending on installation.
2. Contact Brooks for further advice if additional devices are required.
3. 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.

Compatibility

Wireless: EIB100MRF, EIB3000MRF, EIB168RC, EIB450, EIB411RF, EIB170RFAU, EIB413RF, EIB407RF, EIB408RF, EIB408RFH and EIB428RF, EIB420RF, EIB605MRF
Note: For full specification and limitation of use refer to the specific product data sheet.

Due to continual product development, Brooks reserve the right to alter product details and specifications without prior notice.