

# EIB420RF - RadioLINK Repeater Module

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

### Key Features

- Mains powered with a 10-year rechargeable lithium battery back-up
- Stand-alone unit designed for use with RadioLINK enabled alarms and accessories
- Up to 12 alarms and devices can be interconnected
- Visual RF transmission and power indicators
- 5-year guarantee

### Product Description

The EIB420RF RadioLINK repeater module is a stand-alone repeater module designed for use with RadioLINK enabled alarms and accessories, for use in installations that require additional signal coverage but where the installation of an additional alarm may not be suitable. It is designed to be remotely sited and comes with its own cover plate.

The EIB420RF is mains powered and has a built-in tamper proof rechargeable lithium battery that acts as a battery back-up in the event of mains failure. The rechargeable lithium battery is designed to have a minimum 10-year life and outlast the life of the module itself.

The repeater module uses advanced transceiver and signal coding technology to ensure robust and reliable RF signalling.

The EIB420RF can be interconnected to either Brooks RadioLINK devices or hardwire interconnected to Brooks mains powered Smoke / Heat Alarms. The repeater supports the hybrid functionality i.e. hardwire and RadioLINK activate each other.

Operation of the EIB420RF RadioLINK Repeater:

- Received RadioLINK signals will be re-transmitted. Increasing the possible number of barriers penetrated by the signal and contributing to multiple signal paths throughout the system.
- The unit can be 'House-Coded' by activating the 'House Code' switch. The indicator will flash red to indicate the number of units 'learned'.
- The indicator will illuminate green to show that mains power is present (this is overridden by any red flashes).
- If the rechargeable back-up is depleted, the indicator will flash red every 10 seconds to indicate they need recharging.



### Technical Specification

<b>Supply Voltage:</b>	230V AC, 50Hz
<b>Battery back-up:</b>	Rechargeable lithium battery
<b>Battery Life:</b>	>10 years (normal operating conditions)
<b>RF Frequency:</b>	926 Mhz RadioLINK protocol
<b>RF Protocol:</b>	Proprietary RadioLINK using multi-path, multi-repeater mesh architecture
<b>Temperature:</b>	Operating - 4°C to 40°C
<b>Humidity Range:</b>	0% to 90% Relative Humidity
<b>Indicator LEDs:</b>	Green - Power Red - House Code mode, low battery
<b>Plastic material:</b>	HIP UL 94 HB flame retardant
<b>Dimensions:</b>	Product - 140mm x 27mm Package - 145mm x 145mm x 30mm
<b>Weight:</b>	205g (boxed 220g)
<b>Warranty:</b>	5 year (limited) warranty
<b>Approvals:</b>	AS4268

#### Compatibility:

**Hardwire:** Any mains powered Brooks Smoke/Heat alarm

**Wireless:** EIB450, EIB411RF, EIB413, EIB170RFAU, EIB408RF, EIB408RFH, EIB428RF, EIB168RC, EIB407RF, EIB100MRF, EIB3000MRF

Note: for full specifications and limitations, 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.

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