

# EIB100MRF - RadioLINK<sup>+</sup> Module

## RF Wireless Interconnection for 160e Series

### Key Features

- ▶ RF Upgrade for mains powered 160e Series alarms
- ▶ Interconnect up to 12 devices wirelessly
- ▶ Remote alarm learn entry
- ▶ Transmits, receives and repeats RF specific data
- ▶ RF mesh architecture
- ▶ Unique house coding feature
- ▶ Simple plug in modular design
- ▶ Provides data for download
- ▶ Powered through the alarm head
- ▶ Certified to AS/NZS4268:2012
- ▶ 5-year guarantee

### Product Description

The EIB100MRF is an optional add-on RadioLINK<sup>+</sup> module for the 160e series alarms. It enables the alarm to communicate wirelessly with other Brooks RF devices. Up to 12 devices can be interconnected. It also facilitates a hybrid communication of hardwired and wireless connections.

The module simply plugs into the designated slot in the rear of the alarm head. On powering up the alarm, the RF LED on the side of the alarm will flash red, blue and green to indicate that the module has been fitted correctly.

The EIB100MRF module is a short range device using a transceiver to transmit, receive and repeat the RadioLINK RF protocol. This ensures a robust "mesh" of RF signals and reliable paths of communication.

The house coding feature confines the RF communication to designated RadioLINK devices only, thereby avoiding the inadvertent activation of neighbouring alarm RF systems.

The remote alarm learn entry feature allows the installer to re-activate the entire RF system house coding from one device. Additional devices can then be added and house coded accordingly.

The EIB100MRF facilitates a monitoring (or buddy system) function that recognises system tampering or alarm head removal. In monitoring mode each alarm will check the presence of its strongest received RF signal.



### Technical Specification

<b>Supply Voltage:</b>	230V AC, 50Hz (via alarm head)
<b>Battery back-up:</b>	10-year rechargeable lithium (via alarm head)
<b>RF Frequency:</b>	926Mhz RadioLINK protocol
<b>RF Power:</b>	+10dBm
<b>RF Protocol:</b>	Proprietary RadioLINK <sup>+</sup> using multi-path, multi-repeater mesh architecture
<b>RF Range:</b>	> 100 metres in free air
<b>System Size:</b>	12 RadioLINK devices
<b>Indicators::</b>	<b>Blue LED</b> - typically RF transmission, house code mode indicator, code reset <b>Green LED</b> - typically monitoring mode indicator, alternative with blue led to indicate monitoring success <b>Red LED</b> - typically monitoring mode cancel, alternating with blue led to indicate monitoring failure
<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>Plastic material:</b>	UL94VO flame retardant
<b>Dimensions:</b>	Product - 80mm x 18mm x 16mm
<b>Weight:</b>	10g
<b>Warranty:</b>	5 year (limited) warranty
<b>Approvals:</b>	Module: AS/NZS4268:2012



### Compatibility

**Wireless:** EIB450, EIB411RF, EIB413, EIB170RFAU, EIB408RF, EIB408RFH, EIB428RF, EIB407RF, EIB168RC, EIB3000MRF, EIB600MRF, EIB605MRF, EIB420RF.

**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.

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