Ei Electronics®
fire + gas detection

BROOKS

EIB100MRF - RadioLINK+ Module

RadioLINK+
RF Wireless interconnect

Key Features

- RF Upgrade for Mains Powered "e" Series Alarms
- Simple plug in modular design
- Tricolour LED to indicate RF status
- Interconnect up to 12 hardwire and/or wireless communication Alarms/devices
- Transmits, receives and repeats RF specific data
- Multi-path communication protocol
- Unique House Coding confines communication to selected RadioLINK devices
- Remote Alarm Learn entry
- RF Monitoring
- Alarm Status & Parameter information download via RadioLINK tool
- Powered through the Alarm head
- Certified to AS/NZS4268:2012
- 5 Year Guarantee

Product Description

The EIB100MRF is an optional add-on RadioLINK+ module for the EIB160e and EIB2110e series Alarms. The module simply plugs into the designated slot in the base of the Alarm head. The immediate flashing LED indicates that the module has been fitted correctly.
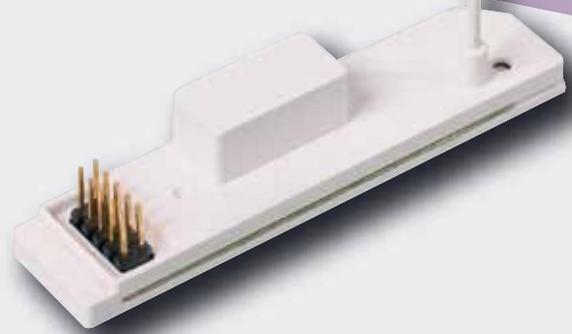
The EIB100MRF module facilitates wireless interconnection with up to 12 RadioLINK devices. It also facilities a hybrid communication of hardwired and wireless connections.

The EIB100MRF module is a SRD using a TI transceiver device 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.

RF monitoring of the signal paths is facilitated through a "buddy" system. Each device will "buddy up" to at least one other device. If the signal path fails, the "buddy" will transmit a communication lost signal. Information such as alarm events, fault events, test activations, and Alarm head removals can now be downloaded using the RadioLINK tool.

Technical Specification

Supply Voltage:	230V AC, 50Hz (Via Alarm head)
Battery Back-up:	Rechargeable lithium (Via Alarm Head)
RF Frequency:	926Mhz RadioLINK protocol
RF Power:	+10dBm
RF Protocol:	Proprietary RadioLINK+ using multi-path, multi-repeater mesh architecture.
RF Range:	> 100Metres in free air.
System size:	12 RadioLINK devices
Temperature:	Operating - 0 to 40°C Storage - 0 to 35°C (in a dry area)
Humidity Range:	15% to 95% Relative Humidity
Indicators:	**Blue LED** – typically RF transmission, house code mode indicator, code reset **Green LED** - typically monitoring mode indicator, alternating with blue led to indicate monitoring success **Red LED** – typically monitoring mode cancel, alternating with blue led to indicate monitoring failure
Plastic material:	UL94VO flame retardant
Dimensions:	Product - 80mm x 18mm x 16mm
Weight:	10g.
Warranty:	5 year (limited) warranty
Approvals:	Certified to AS/NZS4268:2012

Specifications are subject to change

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