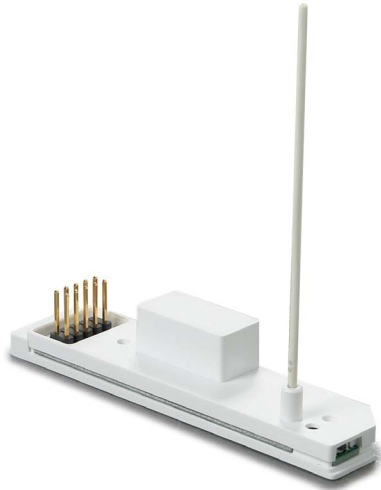


RadioLINK+™ Module – Ei100MRF



- 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 RadioLINK+ communication Alarms and 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 data extraction via optional RadioLINK+ USB Tool
- Powered through the Alarm head

FIT IN:



SERIES

CONTAINS:



PRODUCT DESCRIPTION

The Ei100MRF is an optional add-on RadioLINK+ Module for the Ei160e and Ei2110e 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 Ei100MRF Module facilitates wireless interconnection with up to 12 RadioLINK and RadioLINK+ devices. It also facilitates a hybrid communication of hardwired and wireless connections.

The Ei100MRF 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 reactivate 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+ USB Tool (EiUSB1).

The Module is designed to be completely enclosed within the alarm unit and no visible parts including the antenna will be on show.

TECHNICAL SPECIFICATION

- Supply Voltage:** 230V AC, 50Hz (via Alarm head)
- Battery backup:** Rechargeable lithium (via Alarm head)
- RF Frequency:** 868.499 Mhz RadioLINK protocol
- RF Power:** +10dBm
- RF Protocol:** Proprietary RadioLINK+ using multi-path, multi-repeater mesh architecture
- RF Range:** 100 metres in free air
30 metres in standard property
- Temperature:** Operating - 0°C to 40°C
Storage - 0°C to 35°C (in a dry area)
- Humidity Range:** 15% to 95% Relative Humidity
- Indicator LED's:** **Blue** - typically RF transmission, house code mode indicator, code reset
Green - typically monitoring mode indicator, alternating with blue LED to indicate monitoring success
Red - typically monitoring mode cancel, alternating with blue led to indicate monitoring failure
- Plastic material:** UL94VO flame retardant
- Dimensions:** Product - 80mm x 18mm x 16mm
Package - 120mm x 110mm x 35mm
- Weight:** 10g (Boxed 46g)
- Warranty:** 5 year (limited) warranty
- Approvals:** EN 300 220-3 (Radio)
EN 301 489-3 (EMC)
EN 62479:2010 (Safety)

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Specifications are subject to change