

RadioLINK⁺ - Module—Ei100MRF



- RF upgrade for Mains Powered 'e' series Alarms
- Simple plug-in modular design
- Tri-colour LED to indicate RF status
- Interconnect up to 12 hardwire and/or RadioLINK⁺ & SmartLINK⁺ communication Alarms and Devices
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- Transmits, receives and repeats RF specific data
- Multi-path communication protocol
- Unique House Coding confines communication to Selected RadioLINK⁺ & SmartLINK⁺ devices
- Remote Alarm Learn entry
- RF Monitoring
- Alarm data extraction via optional
- Powered through the Alarm head
- RadioLINK

Fits in:



Contains:



Product Description

The Ei100MRF is an optional add-on for the Ei160e and Ei2110e Series alarms. The module simply plugs into the designated slot in 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⁺ & SmartLINK⁺ 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 housing coding feature confines the RF communication to designated RF devices only, thereby avoiding inadvertent activation of neighbouring RF systems.

The Remote Alarm Learn entry feature allows the installer to reactivate the entire RF system house code 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⁺ RF Tool (EiUSB1).

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

TECHNICAL SPECIFICATION

Supply Voltage: 230V AC, 50Hz (via Alarm head)

Power Consumption: 0.0002W

Battery backup: Rechargeable lithium (via Alarm head)

RF Frequency: 868.499Mhz RadioLINK protocol

RF Power: +10dBm

RF Protocol: Proprietary RadioLINK+ using multi-path, multi-repeater mesh architecture.

RF Range: 100 meters in free air
30 meters in standard property

Temperature: Operating - 0°C to 40°C

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

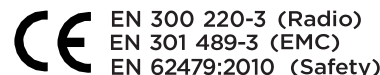
Plastic material: HIP UL 94 V0 Flame Retardant

Dimensions: Product - 80mm x 18mm x 16mm
Package - 120mm x 110mm x 35mm

Weight: 10g (Boxed 46g)

Warranty: 5 year (limited) warranty

Approvals:



Specifications are subject to change

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