Ei100MRF - RadioLINK⁺ Module

RF Wireless Interconnection
Powered from the Alarm

Key Features

- RF Upgrade for Mains Powered "e" 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
- 5 Year Guarantee

Technical Specification

Supply Voltage:	Powered from Alarm
RF Frequency:	868MHz band (1% duty Cycle)
RF Power:	+10dBm
RF Range:	> 100 Metres in free air [1]
Protocol type:	Mesh architecture
RF Protocol:	RadioLINK
System size:	Up to 12 RF devices [2]
Indicators:	3 colour LED : **Blue, Green** and **Red**
Data Download:	Via EiUSB1

Normal Operating and Storage Temperature Range:
-10°C to 40°C [3]

Normal Operating and Storage Humidity Range
15 % to 95 % Relative Humidity [3] (non-condensing)

Plastic material:	UL94VO flame retardant
Dimensions:	Product - 80mm x 18mm x 16mm
Weight:	10g.
Warranty:	5 year (limited) warranty
Approvals:	

CE Compliant with Radio Equipment Directive 2014/53/EU

Manufactured to ISO 9001 quality standards
Specifications are subject to change

1. Obstructions of any sort will result in a reduction in range from the free space specification. The range may vary depending on installation.

2. Please contact us for further advice if additional RF devices are required.

3. Temperature and Humidity conditions are for normal operation and storage. Units will function outside these ranges as required by the specific product Standards. Extended exposure to conditions outside these ranges can reduce product life. For advice on prolonged operation outside these ranges consult the manufacturer.

Product Description

The Ei100MRF is an optional add-on **RadioLINK⁺** module for the Ei160e and Ei2110e series Alarms. It enables the Alarm to communicate wirelessly with other Ei Electronics RF devices. Up to 12 devices can be interconnected[2]. It also facilitates a hybrid communication of hardwired and wireless connections.
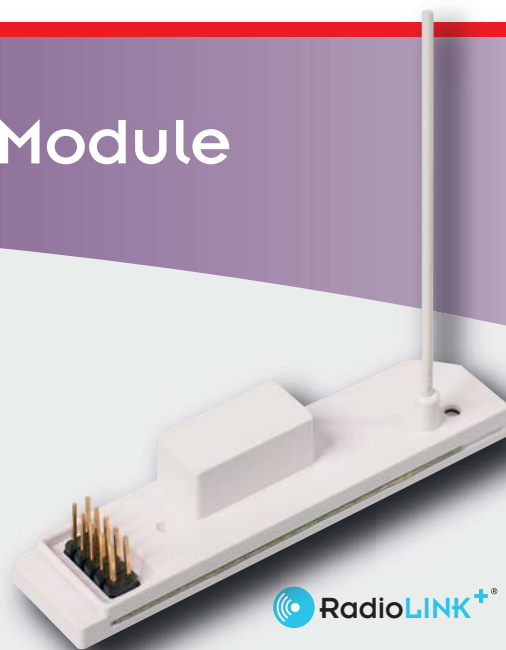
The module simply plugs into the designated slot in the base of the Alarm head. On powering up the Alarm, the RF LED on the side of the Alarm will flash red, blue and green to indicate that the module has been fitted correctly.

The Ei100MRF 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 RF devices only, thereby avoiding the inadvertent activation of neighbouring Alarm RF systems.
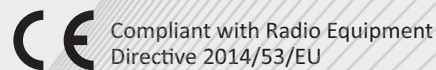
The Remote Alarm Learn entry feature allows the installer to re-activate the entire RF system house coding from one device. Additional devices can then be added and house coded accordingly.

The Ei100MRF 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.

Shannon Free Zone, Shannon, Co. Clare, Ireland
Tel: +353 61 471277 Fax: +353 61 471053
email: sales@eielectronics.ie
web: www.eielectronics.com