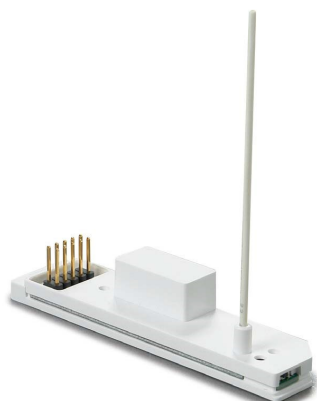# RadioLINK+ - Module—Ei100MRF

- Add this to an Ei160e series alarm to allow for RadioLINK+ interconnection and data extraction
- Compatible with other Aico wireless interconnection products
- Eliminates tricky wiring runs
- Saves time, mess and money at installation
- Makes it easier to add in new alarms and accessories
- Data extraction capabilities
- Alarm-self monitoring function

Fits in:

E SERIES

Contains:

RadioLINK+

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 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:	

C E

EN 300 220-3 (Radio)
EN 301 489-3 (EMC)
EN 62479:2010 (Safety)

Specifications are subject to change

bsi. ISO 9001 Quality Management | ISO 14001 Environmental Management | OHSAS 18001 Occupational Health & Safety Management

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