RadioLINK Base

MAINS POWERED 230V~

Radio Frequency Communication

Model Ei168RC Base

- Designed for use with 'RC' alarms
- Allows control of alarm (when using Ei411H/Ei410)
- · RF wireless interconnect
- Unique house-coding feature
- 'Smart' System Coding Check
- Multiple signal repeater
- Visual RF transmission indicator
- Advanced suppression and calibration technology
- Radio transmitter and receiver in each base
- Easi-fit design construction
- Tamper-proof rechargeable Lithium battery back-up
- Low power cell warning
- RF performance to EN300220-3
- EMC performance to EMC 301489-3
- 5 year guarantee



Product Description

The Ei168RC RadioLINK Base transmits a radio frequency (RF) alarm signal when the unit attached to it senses fire. When it receives an RF signal from another Ei168RC Base, the attached alarm will sound. It therefore eliminates the need to install long interconnect wires between all the alarms on different floors in different rooms.

The Ei168RC RadioLINK Base is designed for use with the 'RC' range of Easi-fit mains powered alarms. This allows system control when used with the optional Ei411H3 RadioLINK Remote Control Switch. System Test, Hush and Alarm Locate functions are all easily performed from floor level.

The Ei168RC itself is also mains powered and has rechargeable Lithium cells for back-up in the event of mains failure.

The unit also has "multiple repeater" transmission - . This provides multiple signal paths for a stronger RF system and can also increase the system range. The RF range can also be improved by adjusting the wire antenna.

The Ei168RC has built in circuitry to aid suppression of voltage transients and interference.

Operation

- In normal standby mode the amber indicator will light to indicate transmission of an RF signal
- In house-code mode, the amber indicator will flash to indicate the number of RF units with which it will communicate¹
- After house-coding all units together, the amber indicator will continue to flash (to indicate the number of units "house-coded") until the house code switch is activated on one of the units. The units that have successfully coded will then stop flashing the amber indicator, allowing easily visual checking of correct system set-up.
- The red indicator on the alarm attached to the Ei168RC Base will flash rapidly to show an alarm condition for the smoke/heat alarm
- The amber light will flash every 10 seconds if the battery back up is depleted
- Please contact us if you are intending to install a system of more than twelve units.



Shannon Free Zone, Shannon, Co. Clare, Ireland. Ph.+353 61 471277 Fx.+353 61 471053

Email. eielectronics@eiltd.ie Web: www.eielectronics.com

Model Ei168RC Base

Technical Specification

Sensor N/A

Supply Voltage: 230V AC, 50Hz

Battery back-up: 10Yr+ Rechargeable Lithium cells

RF Range²: 150 metres in free space

Range Improvement: Adjustable antenna

RF Visual Indicator: Amber light flashes continuously

for 1.5 to 3.5 seconds while transmitting RF signal

RF Frequency: 868.499MHz (1% duty cycle)

RF Power: +5dBm

Dimensions: 150mm diameter x 19mm depth

Weight: 172g

2. Any obstructions of any sort will result in a reduction in range from the free space specification. As such, the actual range will vary depending on installation.

Power-On Indicator: Continuous green LED on the

attached mains powered alarm

Alarm characteristics: Available in the attached alarm

Temperature Range: 0° to 40° C

Humidity Range: 15% to 95% Relative Humidity

Interconnect: Up to 12 RadioLINK bases

Optional Controls: - Ei407 Manual Call Point

Ei410 Remote Control Key fobEi411H3 Remote Control Switch

Plastic material: UL94VO flame retardant

Guarantee: 5 year (limited)

Approvals: RF performance to EN300220-3

EMC performance to EMC 301489-3

Specifications are subject to change



Web: www.eielectronics.com