Radio Frequency
Accessory

TEN YEAR BATTERY POWERED 9V
RF Communication

Model Ei407 RF Manual Call Point

- **Designed for use with RadioLINK range of alarms**
- **RF wireless interconnect**
- **Unique house coding feature**
- **Visual RF transmission indicator**
- **Advanced suppression and calibration technology**
- **Radio transmitter in each unit**
- **Tamper proof lithium battery supply**
- **Low power cell warning**
- **RF performance to EN300220-3**
- **EMC performance to EMC 301489-3**
- **5 year guarantee**

Product Description

The Ei407 Manual Call Point is an emergency device that when activated transmits a radio frequency (RF) alarm signal. This alarm signal will cause all RadioLINK alarms (in the system) to sound and thereby warn occupants of the immediate danger.

The Ei407 Manual Call Point is powered by tamperproof lithium cells designed to last the life of the product. The cell power is monitored and an end of life signal is given when the batteries are depleted.

The Ei407 Manual Call Point uses advanced radio transceiver technology with unique software coding to transmit the radio signals. The transmissions are frequency modulated (FM) and use Manchester coding to ensure robust signal integrity and avoid signal noise interference

The Ei407 has built in circuitry to aid suppression of voltage transients and RF interference.

Operation

- The green indicator will flash every 40 seconds to indicate that the batteries are ok

- In code mode, the red indicator will flash to indicate that the device will transmit house code signals

- When activated (black spot pressed) the red indicator will flash every 20 seconds for 5 minutes and then stop

- The amber light will flash every 9 seconds to indicate that the batteries are depleted

Ei Electronics®
fire + gas detection

Model **Ei407 RF Manual Call Point**

Technical Specification

Sensor	None		**Power-On Indicator:**	Green light flashes every 40 seconds
Supply Voltage:	9V Lithium cells		**Low Battery Indicator:**	Amber light flashes every 9 seconds
RF Range[1]**:**	150 meters (min) free space		**Temperature Range:**	0^0 to 40^0 C
RF Visual Indicator:	Red light flashes on transmission of RF signal		**Humidity Range:**	15% to 95% Relative Humidity
			Interconnect:	Up to 12 RadioLINK products
RF Transmission:	On alarm, an initial burst of 3 seconds followed by a repeat every 20 seconds for 5 minutes		**Warranty:**	5 year (limited) warranty
			Approvals:	RF performance to EN300220-3 EMC performance to EMC 301489-3
RF Frequency:	868.499MHZ (1% duty cycle)			
RF Power:	+5dBM			
Dimensions:	85mm x 85mm x 58mm		Specifications are subject to change	
Weight:	191g			

1. **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.**

Installation & Placement

Unlike a smoke alarm, the EI407 Manual Call Point does not need to sense smoke and so is not restricted in it's location on the ceiling/wall. Instead, it is desirable to place the Ei407 Manual Call Point on an exit route where it can be activated easily in case of emergency.

When a suitable location has been selected, mark the screw holes. Drill with a suitable drill bit, insert the screw plugs, and screw the base into position.

The EI407 Manual Call Point should be house coded to prevent possible interference from neighbouring installations – see instructions for more details.

House Code Procedure
1. Slide switch on to connect the batteries.
2. Hold the house code switch until the red light turns on and then release
3. Similarly, place other RadioLINK products into house code mode
4. Check that the number of flashes from the units corresponds to the number of bases/alarms in your system. Note: The red flashes on the EI407 do not correspond to the number of devices in the system.
5. Remove all devices from house code
6. Button test each alarm to check your system