

# Radio Frequency **Accessory**

**TEN YEAR BATTERY POWERED 9V**  
RF Communication

## Model **Ei411 RF Remote Control**

- 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 and receiver in each unit
- Tamper proof lithium battery supply
- RF performance to EN300220-3
- EMC performance to EMC 301489-3
- 5 year guarantee



### Product Description

The Ei411 Remote Control is designed for use with the RadioLINK range of products. It increases the flexibility and user friendliness of the RadioLINK range of alarms by allowing the user to remotely “test” and “locate” the RF alarms in the system.

The “test” switch when activated will cause the Ei405/405TY alarms to undergo a full button test, while the alarms attached to an Ei168 Base will sound the alarm and check the electronics.

The “locate” switch will identify the alarm sensing fire and cause all other interconnected alarms to stop sounding.

The Ei411 Remote Control is powered by tamperproof lithium cells designed to last the life of the product.

The Ei411 Remote Control 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 Ei411 has built in circuitry to aid suppression of voltage transients and RF interference.

### Operation

- In code mode, the amber indicator will flash to indicate that the device will transmit house code signals
- When activated (either switch pressed) the amber light will come on continuously for 3 seconds and then continue to flash every 5 seconds for the next 5 minutes
- The end of life will be signaled by either the amber light appearing dim or if the test switch fails to operate the alarms
- Pressing the “locate” button will also briefly activate the alarms that have previously sensed smoke – this memory feature is a useful diagnostic tool



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## Model Ei411 RF Remote Control

### Technical Specification

<b>Sensor</b>	None	<b>Low Battery Indicator:</b>	Amber light dims and alarms fail to respond to test signal
<b>Supply Voltage:</b>	9V Lithium cells	<b>Temperature Range:</b>	0° to 40° C
<b>RF Range:</b>	150 meters (min) free space	<b>Humidity Range:</b>	15% to 95% Relative Humidity
<b>RF Visual Indicator:</b>	Amber light flashes on transmission of RF signal	<b>Interconnect:</b>	Up to 12 RadioLINK products
<b>RF Transmission:</b>	On activation, an initial burst of 3 seconds followed by a repeat every 5 seconds for 5 minutes	<b>Warranty:</b>	5 year (limited) warranty
<b>RF Frequency:</b>	868.499MHZ (1% duty cycle)	<b>Approvals:</b>	RF performance to EN300220-3 EMC performance to EMC 301489-3
<b>RF Power:</b>	+5dBm		
<b>Dimensions:</b>	88mm x 88mm x 42mm		
<b>Weight:</b>	212g		

Specifications are subject to change

### Installation & Placement

Unlike a smoke alarm, the Ei411 Remote Control does not need to sense smoke and so is not restricted in its location on the ceiling/wall. Instead, it is desirable to place the Ei411 Remote Control on an exit route or similar where it can be activated easily .

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 Ei411 Remote Control 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 amber 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 amber flashes on the Ei411 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



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