REMOTE CONTROL SWITCH

Wireless Communication
Fire (Heat or Smoke) & CO Alarm

Model Ei412

- **Designed for use with the *RadioLINK* enabled Fire & CO alarms**
- **Indicates if source alarm is CO or Fire**
- **3 Red Led indicators for fire alarm, CO alarm and RF activity.**
- **Remote Testing of Alarm System**
- **Remote Hushing of Nuisance Alarms**
- **Remote Locating of alarm source**
- **Indicates alarm source type – Fire or CO**
- **Unique House-Coding feature**
- **Visual RF transmission indicator**
- **Built-in Lithium battery - designed to last 10 years**
- **RF performance to EN300220-3**
- **EMC performance to EMC 301489-3**
- **5 year guarantee**

Product Description

The Ei412 Remote Control switch is designed for use with *RadioLINK* enabled smoke/heat & CO alarms.

It will indicate if the source of the alarm is a fire (smoke/heat) or Carbon Monoxide (CO).

It increases the flexibility and user friendliness of the alarms by allowing the user to remotely "Locate", "Hush" and "Test" the alarms in the system.

- **Locate** the source of alarm
- **Hush** any nuisance alarms
- **Test** alarm system
- **Alarm Memory** identifies units that have previously alarmed (useful for troubleshooting)

The Ei412 Remote Control switch is powered by tamper-proof Lithium cells designed to last the life of the product.

The Ei412 Remote Control uses advanced radio transmitter technology with unique software coding to transmit the radio signals, ensuring robust signal integrity.

Operation

- When an alarm in the system is activated, a red Led will flash twice per second to indicate a fire or CO Alarm

- When any button is pressed the RF Red indicator lights to indicate transmission of an RF signal

- In House-Code mode, the RF red indicator flashes to indicate the unit is transmitting its House Code signal

- When the alarm system is sounding, the "Locate" switch will audibly identify the alarm that has triggered the system by causing all other alarms to stop sounding for approximately 10 minutes

- Pressing the "Hush" switch will silence any nuisance alarms in the system for approximately 10 minutes

- Pressing the "Test" switch will cause all the alarms in the system to sound and is the equivalent of pressing the test buttons on all alarms simultaneously

- In standby mode pressing the "Locate" switch will activate the memory function. If a previous and/or CO alarm has been recorded the Fire and/or CO Led will flash.

- Pressing the "Locate" & "Hush" button simultaneously for 5 seconds will erase the memory.

Ei Electronics®
fire + gas detection

Technical Specification

Control Switches: Locate, Test & Hush

Power Supply: 10 Year Lithium Cells

RF Range[1]: 150 metres in free space

RF Visual Indicator: The RF Red Led light flashes while transmitting an RF signal

Red Led Flashes to indicate a Fire alarm

Red Led flashes to indicate a CO Alarm.

RF Frequency: 868MHz band (1% duty cycle)

RF Power: +5dBm

Dimensions: 88mm x 88mm x 42mm

Weight: 212g

Low Battery Indicator: The RF Red Led light flashes every 40 seconds.

Temperature Range: 0^0 to 40^0 C

Humidity Range: 15% to 95% Relative Humidity

Interconnect: Up to 12 *RadioLINK* products

Guarantee: 5 year (limited)

Approvals: RF performance to EN300220-3 EMC performance to EMC 301489-3 CE certified

Specifications are subject to change

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 Ei412 Remote Control switch 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 Ei412 Remote Control in a location where it will be used to test and control the RadioLINK devices, possible in a communal area or on the exit routes.

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. Then switch on the device and screw the switch cover onto the base with the screws provided.

The Ei412 Remote Control should be house coded with the other RadioLINK devices 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.

5. Remove all devices from house code

6. Button test each alarm to check your system

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