

# Remote Control Switch

10 YEAR BATTERY POWERED



Wireless Interconnection

## Model Ei412

- Designed for use with the RadioLINK enabled Fire & Carbon Monoxide (CO) alarms
- Indicates if source of alarm is a fire or CO alarm
- Three functions:
  - Test: to test alarms
  - Locate: to identify triggered alarm
  - Silence: to silence alarms
- 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 EN301489-3
- 5 year guarantee



## Product Description

- The Ei412 Remote Control Switch is designed for use with 2100 and 160RC series smoke and heat alarms on RadioLINK bases and also 260 series RadioLINK CO alarms
- It will indicate if the source of alarm is smoke/heat or CO alarm
- It increases the flexibility and user friendliness of the alarms by allowing the user to remotely 'Locate', 'Silence' and 'Test' the alarms in the system:
  - **Locate** the source of the alarm
  - **Silence** any nuisance alarms
  - **Test** the alarm system
  - **Alarm Memory** identifies units that have previously alarmed (useful for troubleshooting)
- The Switch is powered by tamper-proof Lithium cells designed to last at least 10 years (the life of the product)
- The Switch uses advanced radio transmitter technology with unique 'House Code' feature to ensure robust signal transmission

## Operation

- If the alarm system is triggered, the relevant indicating light on the front of the switch will start to flash - twice per second for a period of 2 minutes after the alarm has stopped. After the 2 minute period the indicating light will flash once every 40 seconds for 24 hours and will then automatically reset
- The switch also has a memory function - the alarm that had previously triggered is held in the switches memory. Pressing the 'Locate Alarm' switch will cause the relevant indicating light to flash to indicate if it was a Fire or CO alarm, and the actual alarm/s that previously triggered will sound briefly.
- When House Coding the switch with alarms, a separate red indicating light will flash under the 'Test Alarm' switch to indicate the number of alarms the switch is coded with
- Upon a switch being pressed, a red indicating light will illuminate under the 'Test Alarm' switch to indicate that a radio frequency signal is being sent
- **'Locate Alarm' Switch**  
Audibly identifies the alarm that has triggered by silencing all other alarms for approximately 10 minutes
- **'Silence Alarm' Switch**  
Silences any nuisance alarms for approximately 10 minutes
- **'Test Alarm' Switch**  
Causes all alarms in the system to sound. It is equivalent to pressing the test button on each alarm



Mile End Business Park, Oswestry, Shropshire SY10 8NN Tel. 0870 758 4000

Fax. 0870 758 4010

www.aico.co.uk

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Ei412 DataSht Rev0 04.03.10

## Technical Specification

1. For use with Ei Professional alarms models Ei161RC, Ei164RC, Ei166RC, 2100 Series when mounted on Ei168RC RadioLINK bases, and Ei405 and Ei405TY model battery RadioLINK alarms, and Ei262 RadioLINK Carbon Monoxide alarms.
2. Powered by an FDK Lithium battery capable of exceeding 10 years in normal use. Operating the battery switch on the rear of the unit activates the battery.
3. Red LED on the unit will fail to illuminate (and alarms will fail to respond) when any of the buttons are pressed to indicate that the battery is depleted. The complete unit should be replaced.
4. Radio frequency: 868 MHz Band in accordance with R&TTE Directive 1999/5/EC.
5. If the alarm system is triggered, the relevant indicating LED on the front of the switch will start to flash (twice per second for a period of 2 minutes after the alarm has stopped). After the 2 minute period the indicating LED will flash once every 40 seconds for 24 hours and will then automatically reset.
6. The unit incorporates 3 switches marked Locate Alarm, Test Alarm & Silence Alarm. These offer control features as at points 7, 8, 9 & 10 below.
7. **Locate Alarm** (units in alarm): This feature allows the user to identify which unit is causing the alarm when all the units in the property are sounding. Press the 'Locate Alarm' switch and the alarms will stop sounding except for the one that has initiated the signal.
8. **Locate Alarm Memory** (unit previously in alarm): the alarm/s that had previously triggered is held in the switches memory. Pressing the 'Locate Alarm' switch will cause the relevant indicating light to flash to indicate if it was a Fire or CO alarm and the actual alarm/s that previously triggered will sound briefly.
9. **Test Alarm**: Pressing the 'Test Alarm' switch causes all alarms in the system to operate. This allows testing of the entire system without having to reach up to the alarm/s and is a full and complete test of the alarm/s ability to operate in a fire or CO situation.
10. **Silence Alarm**: Momentarily pressing the 'Silence Alarm' switch allows remote silencing of false alarms. The feature will automatically reset after 10 minutes.
11. Units are supplied in factory code when received (they will communicate with all other RadioLINK models also in factory code). They must be 'House Coded' so that they will then only communicate with other units House Coded at the same time.
12. 'House coding': With the Ei412 fitted in its final position, press the 'House Code' switch on the back of the unit and watch for the red LED to illuminate through the outer cover (under the 'Test Alarm' switch) then release the switch. The red LED will then flash to indicate the number of units it is coded with.
13. Put each alarm in the system into 'House Code' mode by following the instructions supplied with the product. The Ei412 will transmit its own code to all the other units in range and will return to standby automatically after 15 minutes. Alternatively, press the 'House Code' switch to return it to standby immediately. Note: the red light flashes on the Ei412 indicate the number of alarms in the system.
14. A RadioLINK Manual Call Point, Ei407, Repeater Base, Ei420, Switched Input Module, Ei408 and a Remote Relay Module, Ei428 are also available for use in the system. See separate specification sheets for further information.
15. Overall dimensions: 88mm x 88mm x 42mm deep – including mounting box, supplied.
16. Weight inclusive of packaging: 224g.
17. 5 year guarantee.
18. Made in Ireland.



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Europe's Leader in Residential Fire + Gas Detection  
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