

# Alarm Controller

10 YEAR BATTERY POWERED



Wireless Interconnection

## Model Ei450

- Designed for use with the RadioLINK enabled Fire & Carbon Monoxide (CO) alarms
- Indicates if source of alarm is a fire or CO alarm
- Four functions:
  - **Test Alarm:** to test alarms
  - **Locate Alarm:** to identify triggered alarm
  - **Silence Alarm:** to silence alarms
  - **Memory:** to identify a previous alarm state
- 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 Ei450 Alarm Controller is designed for use with RadiolINK enabled Smoke, Heat and Carbon Monoxide (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 alarm system by allowing the user to remotely 'Test', 'Locate' and 'Silence' them:
  - **Test** the alarm system
  - **Locate** the source of the alarm
  - **Silence** any nuisance alarms
  - **Alarm Memory** identifies units that have previously alarmed (useful for troubleshooting)
- The Controller is powered by tamper-proof Lithium cells designed to last at least 10 years (the life of the product)
- The Controller 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 cover will illuminate
- The Controller also has a memory function - the alarm that had previously triggered is held in the memory. Pressing the button on the front cover will cause the relevant indicating light to show, indicating if it was a Fire or CO alarm, and the actual alarm/s that previously triggered will sound briefly.
- When House Coding to the alarms, an indicating light will flash blue on the front cover to indicate the number of alarms the Controller is coded with
- **'Test' Function**  
Causes all alarms in the system to sound. It is equivalent to pressing the test button on each alarm
- **'Locate' Function**  
Audibly identifies the alarm that has triggered by silencing all other alarms for approximately 10 minutes
- **'Silence' Function**  
Silences any nuisance alarms for approximately 10 minutes



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Ei450 DataSht Rev0 10.07.12

## Technical Specification

1. For use with Ei Professional alarms models Ei161RC, Ei164RC, Ei166RC, 2100 Series when mounted on Ei168RC RadioLINK bases, Ei405, Ei405TY, Ei605TYWRF and Ei603TYCRF battery RadioLINK alarms, and Ei262, Ei208WRF, Ei208CRF and Ei208DWRF 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. Radio frequency: 868 MHz Band in accordance with R&TTE Directive 1999/5/EC.
4. If the alarm system is triggered, the relevant indicating LED on the front of the Controller 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.
5. The unit incorporates 4 functions marked Test, Locate, Silence & Memory. These offer control features as at points 6, 7, 8 & 9 below.
6. **Test Function:** Pressing the button on the cover 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.
7. **Locate Function** (only operates when units are 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 button on the cover when the "Locate" quadrant is flashing and the alarms will stop sounding except for the one that has initiated the signal.
8. **Silence Function** (only operates after Locate function is activated): Momentarily pressing the button on the cover when the "Silence" quadrant is flashing allows remote silencing of false alarms.
9. **Memory Function** (unit previously in alarm): the alarm that had previously triggered is held in the memory. Pressing the button on the front cover when the "Memory" Light is flashing will cause the relevant indicating light to flash to indicate if it was a Fire or CO alarm and the actual alarm that previously triggered will sound briefly.
10. 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.
11. 'House coding': With the Ei450 fitted in its final position, press the 'House Code' switch on the back of the unit and watch for the blue indicating light then release the switch. The blue light will then flash to indicate the number of units it is coded with.
12. Put each alarm in the system into 'House Code' mode by following the instructions supplied with the product. The Ei450 will transmit its own code to all the other units in range and will return to standby automatically after 30 minutes. Alternatively, press the 'House Code' switch to return it to standby immediately. Note: the number of blue light flashes on the Ei450 indicate the number of alarms (and other RF devices, if fitted) in the system.
13. 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.
14. 5 year guarantee.
15. Made in Ireland.



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