Ei Electronics®
fire + gas detection

Ei450 - Alarm Controller



RF Wireless Interconnection
10 Year Lithium Battery

RadioLINK Connect™

Key Features

- For **Fire & CO** systems
- Multifunction button
  - Test: Test alarms
  - Locate: Identify triggered alarms
  - Silence: Silence Alarms
- Alarm and Fault Indicators (icons)
  - Fire (smoke or heat detected)
  - Fault (low battery, system fault, End of Life)
  - CO (Carbon Monoxide detected)
- Unique House Coding feature
- Bluetooth connection to SmartLINK app
- 5 Year Guarantee

Product Description

The Ei450 is an intuitive remote controller for use with Fire and CO (Carbon Monoxide) Alarm systems. It is powered by a 10 year lithium battery.

Its single button decides depending on the situation what function to perform:

In Standby mode, pressing the button will **test** all the interconnected Alarms at once from a convenient point rather than having to press the test button on each Alarm.

In Alarm mode, the **locate** segment will be lit to indicate that this function is now available, pressing the button will silence all but the originating Alarm.

Once the locate function has been used, the **silence** segment will light to indicate that this function is now available, pressing the button will now silence the originating Alarm for 10 minutes (if smoke/heat Alarm) or 4 minutes (if CO Alarm).

In addition, when the Ei450 receives an alarm signal, it indicates by flashing the relevant icon whether it came from a Fire (smoke or heat) or CO Alarm enabling the occupant to quickly take appropriate action.

The house coding feature confines the RF communication to designated RF devices only, thereby avoiding the inadvertent activation of neighbouring Alarm RF systems.

The amber LED will flash to indicate that the Ei450 has a fault or has reached the end of its useful life (>10 Years) and needs to be replaced.

Technical Specification

Product life:	10 years
Supply Voltage:	3V Lithium Battery (non replaceable)
BLE Standard:	Bluetooth 5.4
RF Protocol:	RadioLINK Connect with RadioLINK fallback
RF Frequency:	868.2 MHz (0.1% duty Cycle) / 868.5MHz (1% duty cycle) / 2.4 GHz
RF Encryption:	AES-128 (Key required if installed with an Ei1000G)
RF Range:	> 100 m in free air [1] (868MHz) / < 5 m (2.4GHz)
Max RF Power:	< 14dBm (868 MHz) / < 2dBm (2.4GHz)
Max RF system size:	32 RF devices for RadioLINK Connect only systems or 12 RF devices for RadioLINK systems [2]
Receiver category:	2
Visual indicators:	Fire Icon (Red LED) - Fire Alarm Fault Indicator (Amber LED) - Low battery, System fault or End of Life CO Icon (Red LED) - CO Alarm Central button (multi-colour LED) - See U&C
Memory:	Identifies previously triggered alarms
Normal Operating and Storage Temperature Range:	-10°C to 40°C [3]
Normal Operating and Storage Humidity Range	15 % to 95 % RH [3] (non-condensing)
Plastic material:	PC, HIPS and ABS. UL94 HB rated.
Fixing:	Screw fixings and mounting base supplied
Dimensions:	Product - 90mm x 90mm x 30mm Package - 153mm x 180mm x 40mm
Weight:	110g (Pack + 16)
Warranty:	5 year (limited) warranty
Approvals:	CE Compliant with Radio Equipment Directive 2014/53/EU

Manufactured to ISO 9001 quality standards
Specifications are subject to change

1. Obstructions of any sort will result in a reduction in range from the free space specification. The range may vary depending on installation.

2. Please contact us for further advice if additional RF devices are required.

3. Temperature and Humidity conditions are for normal operation and storage. Units will function outside these ranges as required by the specific product Standards. Extended exposure to conditions outside these ranges can reduce product life. For advice on prolonged operation outside these ranges consult the manufacturer.

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E & OE As our policy is one of continuous product development, we reserve the right to alter product details without prior notice.