Ei Electronics®
fire + gas detection

Ei450 - Alarm Controller

RF Wireless Interconnection
10 Year Lithium Battery

Key Features

▼ For **Fire & CO** systems
▼ One button - three functions
   - Test: Test alarms
   - Locate: Identify triggered alarms
   - Silence: Silence Alarms
▼ Alarm and Fault Indicators (icons)
   - Fire (smoke or heat detected)
   - CO (Carbon Monoxide detected)
   - EOL (End of Life detected)
▼ Unique House Coding feature
▼ Diagnostics mode
▼ 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 diagnostic mode allows an extended two minute test to be selected. It also allows a previously triggered Alarm to be identified, this is also known as the memory feature.

The battery icon will flash to indicate that the Ei450 has reached the end of its useful life (>10 Years).

Technical Specification

Product life:	10 years
Supply Voltage:	3V Lithium Battery (non replaceable)
RF Frequency:	868MHz band (1% duty Cycle)
RF Power:	+7dBm
RF Range:	> 100 Metres in free air [1]
Protocol type:	Mesh architecture
RF Protocol:	RadioLINK
System size:	Up to 12 RF devices [2]
Visual indicators:	Blue LED segment - RF transmission
	Red LED segment - Function available
	Green LED all segments - in standby or Diagnostics mode
	Fire Icon - Fire Alarm
	CO Icon - CO Alarm
	Battery Icon - End of life
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 % Relative Humidity [3] (non-condensing)
Plastic material:	UL94HB
Fixing:	Screw fixings and mounting base supplied
Dimensions:	Product - 90mm x 90mm x 30mm
	Package - 153mm x 180mm x 40mm
Weight:	110g (Pack + 75)
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.

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