

# Ei408 - Switched Input Module

## RF Wireless Interconnection 10 Year Lithium Battery

### Key Features

- ▶ One volt free input (NO)
- ▶ Transmits RF alarm signal
- ▶ Visual power, low battery and RF transmission indicator
- ▶ Unique house coding feature
- ▶ 5 year guarantee



### Product Description

The Ei408 is designed to transmit a RF alarm signal that will sound all the Alarms in the RF system on receipt of a volt-free switched hardwired signal from an external device (such as a sprinkler system).

It is powered by a 10 year tamper proof lithium battery.

The Ei408 uses advanced radio transceiver technology with unique software coding to transmit the proprietary RadioLINK protocol. This ensures a robust "mesh" of RF signals and reliable paths of communication. The house coding feature confines the RF communication to designated devices only, thereby avoiding the inadvertent activation of neighbouring alarm RF systems.

A RF system consists of Ei Electronics Smoke, Heat, CO Alarms and accessory devices that are linked using a proprietary RF protocol. The Ei408 must be House coded to the other RF devices in the system.

Note: the Ei408 cannot be recess mounted or fitted to a metal back-box.

### Technical Specification

<b>Product life:</b>	10 years
<b>Supply Voltage:</b>	Lithium battery (non-replaceable)
<b>Input:</b>	Volt Free contact (NO)
<b>RF Frequency:</b>	868MHz (1% duty cycle)
<b>RF Power:</b>	+4dBm
<b>RF Range:</b>	> 100Metres in free air <sup>1</sup>
<b>Protocol type:</b>	Mesh architecture
<b>RF Protocol:</b>	RadioLINK
<b>System size:</b>	Up to 12 RF devices <sup>2</sup>
<b>Visual indicators:</b>	3 colour LED:

- Flashing Green** – Power
- Red** - RF Communication
- Flashing Yellow** - Low battery

#### Normal Operating and Storage Temperature:

Range -10°C to 40°C <sup>3</sup>

#### Normal Operating and Storage Humidity Range

15 % to 95 % Relative Humidity (non-condensing)

#### Plastic material:

UL94VO Flame retardant

#### Fixing:

Screw fixings and surface mount box supplied

#### Dimensions:

Product - 88mm x 88mm x 42mm  
Package - 90mm x 90mm x 50mm

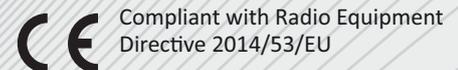
#### Weight:

165g (Pack +27g)

#### Warranty:

5 year (limited) warranty

#### Approvals:



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.

**Important:** Ei Electronics devices are not designed to fulfil a critical component of a BS5839-1 system's requirements such as sound pressure level in a property, or to form a necessary component of an evacuation or other life safety procedure.