

Switched Input Module

10 year Battery Powered

 Wireless Communication

Model Ei408

- Stand alone unit designed for use with RadioLINK bases & accessories
- Accepts a hardwired switched input (e.g. from sprinkler system)
- Visual RF transmission and power indicator
- Powered by built-in Lithium cells
- Unique "House Coding"
- Low battery power warning
- RF performance to EN 300220-1
- EMC performance to EN 301489-3
- 5 year guarantee



Product Description

The Ei408 is a RadioLINK Switched Input Module that accepts a Volt-free switched input from a hardwired set of contacts (e.g. flow switch contacts on a sprinkler system) and sends out a corresponding RadioLINK alarm signal

The module is powered by built in tamper-proof Lithium cells which are designed to last the life of the module. The cells are monitored and an end of life indication is given when the cells are depleted

The module uses advanced transceiver and signal coding technology to ensure robust and reliable RF signaling. It also has a "House Code" feature that allows a system of RadioLINK units to be coded together to prevent interference with neighboring systems

It is designed to be remotely sited and comes complete in its own enclosure

Operation

- On receiving a Volt-free switched hardwired signal, the unit will transmit a RadioLINK alarm signal
- When the switched hardwired signal ceases and switches back to its normal standby position, the unit will cease sending out a RadioLINK alarm signal
- The unit can be "House Coded" by activating the House Code switch. The indicator will flash red to indicate that the unit is sending out its unique House Code
- The indicator will flash green every 40 seconds to indicate that the Lithium cell power supply is healthy
- If the Lithium cells are depleted, the indicator will flash amber every 10 seconds and the unit needs replacing



Mile End Business Park, Oswestry, Shropshire SY10 8NN

Tel. 0870 758 4000

Fax. 0870 758 4010

www.aico.co.uk

E & OE Our policy is one of continuous improvement.

We reserve the right to amend designs and specifications without prior notice.

Ei408 DataSht Rev 0 19.07.10

Model Ei408

Technical Specification

1. For use with Ei Professional 2100,160RC and 140 Series Smoke and Heat alarms (when mounted on an Ei168RC RadioLINK base) and Ei262 RadioLINK Carbon Monoxide (CO) Alarms.
2. Eliminates the need for any cabling between the Ei408 and the Smoke/Heat/CO alarms used in the system.
3. Features built-in tamper proof FDK Lithium cells, capable of lasting at least 10 years under normal usage. Operating the yellow "on/off" switch sited on the back of the unit activates the cells. The LED on the front cover will flash red, amber, green on power up; after this it will flash green every 40 seconds to indicate a healthy power supply.
4. Low battery warning signal – LED indicator flashes amber every 10 seconds to indicate depleted battery. If this occurs the complete unit should be replaced.
5. The unit has built-in wiring terminals for connection to an external set of Volt-free switched contacts. On the contacts closing, the Ei408 will send out a RadioLINK alarm signal to trigger all other RadioLINK devices within the system.
6. Radio frequency: 868MHz band in accordance with R&TTE Directive 1999/5/EC – this band has been designated for use with security products and only allows a 1% duty cycle, so continuous transmission and interference from external sources is extremely remote, and would be illegal.
7. Up to 20 RadioLINK units can be used in one system. Range may be a limiting factor (see point 8).
8. RF Range: the type of building will be the major limiting factor e.g. the number and type of walls/ceilings that the radio signal has to pass through. As a guide, 30m should be the maximum distance between any of the RadioLINK units in the system.
9. Units are in factory code when received (they will all communicate with each other). They must be 'House Coded' to eliminate the risk of adjacent properties communicating with each other. After House Coding they will only communicate with other RadioLINK units coded at the same time.
10. House Code: operate the 'House Code' switch on all RadioLINK units in the system – see the instructions supplied with the other RadioLINK units being used. The LED indicator on the front cover of the Ei408 will flash red slowly; this indicates that it is transmitting its unique serial number to all other RadioLINK units in 'House Code'. Note: the number of red flashes does not relate to the number of units in the system. The Ei408 will return to normal standby mode automatically after 15 minutes. Pressing the 'House Code' switch again will return it to normal standby immediately.
11. The Ei408 is conformant to EN300220-1 (2000-09) (RF Performance) and EN301489-3 (2002-08) (EMC).
12. Designed for surface mounting.
13. Dimensions: 90mm x 90mm x 43mm. Weight inclusive of packaging: 240g.
14. Ambient Temperature Range: 4°C to 40°C. Humidity Range: 0 to 90% relative humidity.
15. 5 year guarantee.
16. Manufactured in Ireland.



Mile End Business Park, Oswestry, Shropshire SY10 8NN

Tel. 0870 758 4000

Fax. 0870 758 4010

www.aico.co.uk

E & OE Our policy is one of continuous improvement.

We reserve the right to amend designs and specifications without prior notice.

Ei408 DataSht Rev 0 19.07.10

Aico Ltd is a wholly owned subsidiary of Ei Electronics



Europe's Leader in Residential Fire + Gas Detection
Ei Electronics, Shannon, Ireland



Made in
Ireland