

# Relay Module

## 230V~ Mains Powered with Rechargeable Back-up

### Model Ei128RBU

- For use with 2100, 160RC and 140 series alarms (and 260 series Carbon Monoxide Alarms when using Ei128COV - cover)
- Rechargeable Lithium battery back-up
- Volt free contacts as supplied for multiple use
- Can be configured to switch a 230V or 24V device
- Trunking knock-outs for easy and neat wiring
- Additional connectors for ease of wiring
- Continuous or Pulse operation
- Fits discreetly behind any smoke/heat alarm
- 5 Year Guarantee



### Product Description

The Ei128RBU is a Relay module that runs on 230V AC mains power, and has built in tamper proof Lithium cells that act as a battery back up in the event of mains failure. These rechargeable Lithium cells are designed to have a ten-year life and outlast the life of the module itself, whilst providing up to 2 months of operation without mains power.

The module has a set of Volt Free contacts (Normally Open and Normally Closed) as standard but can be configured to give a 230V output or a 24V output using an external 24V supply.

Any combination of 2100, 160RC, 140 or 260 series alarms can be used (up to 12 including the relay).

The module is designed to fit underneath any smoke or heat alarm. However a cover (Ei128COV) is available as an option if there is a need for siting the unit remotely.

The module has additional trunking knock outs for ease of wiring.

The module can give a Continuous or Pulse output. The pulse output will switch back the relay contacts to their original state after 5 seconds operation.

### Operation

- On receiving a signal from the alarm system, the relay contacts will be operated causing a signal to be sent to the device to which it is connected
- The Ei128RBU can be used to switch into a range of devices, ranging from Warden Call systems to Panel systems.
- When modified for a 230V or 24V output, they can operate a range of different devices
- The module can be switched to give a Pulse output, or Continuous output for different applications



## Model Ei128RBU

### Technical Specification

1. The relay is designed to operate whilst the alarm system is sounding, to signal devices such as panels, warden call systems, nurse call systems etc. When any of the interconnected alarms sound the signal will cause the relay contacts to switch.
2. The relay runs on 230V AC mains power, and has built in tamper proof Lithium cells that act as a battery back up in the event of mains failure. These rechargeable Lithium cells are designed to have a ten-year life and outlast the life of the module itself, whilst providing up to 2 months of operation without mains power. It operates on receipt of a signal from the interconnect line of a smoke, heat or CO alarm.
3. Volt free contacts - (Normally Open or Normally Closed) rated up to 240V AC / 5 Amps, making it suitable for use with a wide range of AC or DC voltages.
4. Any combination of 2100, 160RC, 140 or 260 series smoke, heat or CO alarms can be interconnected to a maximum of 12 units in total (1 x Ei128R counts as one unit).
5. The Ei128RBU is designed for siting under one of the smoke/heat alarms listed at point 4 above. However, a cover, Ei128COV, is required if wiring with 260 series CO alarms and is also available as an optional extra if there is a need for siting the unit remotely.
6. More than one relay can be used in a set of interconnected alarms on the condition that no more than 12 units are used in the system (1 x Ei128RBU counts as one unit).
7. Fitted with a 4 way connector block for ease of wiring.
8. The relay can be set for Continuous or Pulse operation by operation of a manual switch – when in Pulse operation mode, the relay contacts will automatically switch back to their original state after 5 seconds.
9. Features 3 x 25mm trunking knockouts for surface wiring and centre knockout for recess wiring.
10. Dimensions of unit - 135mm dia x 20mm depth.
11. Weight inclusive of packaging: 180g.
12. Manufactured in Ireland.



Mile End Business Park, Oswestry, Shropshire SY10 8NN Tel. 0870 758 4000

Fax. 0870 758 4010

[www.aico.co.uk](http://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.

Ei128RBU DataSht Rev0 03.03.10

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