





## RadioLINK<sup>®</sup> Relay Module — Ei428




- Triggers external devices if Alarms activate, such as a strobe light or a remote sounder
- Mains powered with battery back-up lithium cells
- Uses  RadioLINK<sup>®</sup> wireless technology to interconnect to the rest of the Alarm System
- Up to 12  RadioLINK<sup>®</sup>  &  SmartLINK<sup>®</sup> Alarms and Devices can be interconnected
- Easy to install with additional trunking knock outs
- Continuous or Pulse operation
- Volt free relay contacts
- Clear LED indicator




### Contains:




### Product Description

The Ei428 is a  RadioLINK<sup>®</sup> Relay Module that switches a relay to activate external devices when an Alarm in the system is triggered. The electrically isolated contacts can be used for many applications such as signalling, turning on lights, strobes etc. It has volt free contacts (Normally Open & Normally Closed) as standard but can be wired to give a 230V output or 24V output using an external 24V supply.

The Ei428 is mains powered and has back-up rechargeable lithium cells in the event of mains power failure. The lithium cells have a 10yr life and are designed to last for the working life of the relay. They will provide up to 2 months operation in the event of mains power failure.

The Ei428 is primarily designed to work with other  RadioLINK<sup>®</sup>  RadioLINK<sup>+</sup> &  SmartLINK<sup>®</sup> enabled Alarms & Devices. For additional flexibility the Ei428 can also be used with conventional hard wires interconnect system. As supplied the relay operates continuously but can be easily adjusted to pulse condition.

The Ei428 uses advanced transceiver and signal coding technology to ensure robust and reliable RF signalling. It also has a House Code feature that allows a system of  RadioLINK<sup>®</sup> Alarms and Devices to be coded together to prevent interference with neighbouring systems.

The Relay Module is designed to be remotely sited at a convenient point and is supplied complete with its own cover plate and fixings.

### TECHNICAL SPECIFICATION

<b>Supply Voltage:</b>	230V AC, 40mA, 50Hz, 0.8W
<b>Battery backup:</b>	Rechargeable lithium cells
<b>Relay Contacts:</b>	250V AC, 5 amps resistive
<b>RF Frequency:</b>	868.499Mhz RadioLINK protocol
<b>RF Power:</b>	+5dBm
<b>RF Protocol:</b>	Proprietary RadioLINK using multi-path, multi-repeater mesh architecture.
<b>RF Range:</b>	100 meters in free air 30 meters in standard property
<b>Temperature:</b>	Operating - 0°C to 40°C Storage - 0°C to 35°C (in a dry area)
<b>Humidity Range:</b>	15% to 95% Relative Humidity
<b>Indicator LED's:</b>	<b>Green</b> — Power <b>Red Flash</b> — RF Transmission <b>Red Flash</b> every 10 seconds — Low Battery
<b>Plastic material:</b>	HIP UL 94 V0 Flame Retardant
<b>Dimensions:</b>	Product - 141mm x 26mm Package - 145mm x 145mm x 30mm
<b>Weight:</b>	180g (Boxed 220g)
<b>Warranty:</b>	5 year (limited) warranty

### Approvals:



Rev2 20/03/19 KTS

Company Registration No. 2544399  
WEEE Registration No. WEE/AE0109WY  
Battery Producer Registration No. 2544399w

