

Ei428 - RadioLINK Relay

Hardwire & Wireless Interconnection Powered by 230VAC

Key Features

- ▶ One volt free contact output (NO/NC)
- ▶ Continuous or pulse mode
- ▶ Visual RF transmission indicator
- ▶ Unique house coding feature
- ▶ Tamper proof rechargeable lithium battery back up
- ▶ Low power battery indicator
- ▶ 5 year guarantee

Product Description

The Ei428 Relay switches upon receipt of an alarm signal from a compatible Ei devices. The electrically isolated contacts can be used for many applications such as signaling, turning on lights, strobes etc.

It is powered by 230VAC mains and has a rechargeable battery backup. The battery backup provides power supply for up to 2 months in case of mains failure.

The Ei428 relay is primarily designed to work with RF devices, but for additional flexibility it can also be used with hard wired interconnect systems.

It uses advanced radio transceiver technology with unique software coding to transmit, receive and repeat the RadioLINK RF 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

As supplied the relay operates continuously but can be easily adjusted to pulse condition. In **continuous** mode, the relay switches until it receives an alarm cancel signal. In **pulse** mode, the relay switches for 5 seconds only.

The Ei428 has built in circuitry to aid suppression of voltage transients and RF interference.


Unlike a smoke detector, the relay does not need to detect smoke and is therefore quite flexible in terms of positioning. However, it is convenient to place it near the device it is controlling as well as its power supply.

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.




Technical Specification

Product life:	10 years
Supply Voltage:	230V AC
Battery back-up:	Rechargeable lithium battery (non-replaceable)
Contact rating:	250V AC, 5A resistive
RF Frequency:	868MHz (1% duty cycle)
RF Power:	+5dBm
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:	2 colour LED: Green - Power Flashing Red - depleted battery Red & Green alternating: house code mode
Normal Operating and Storage Temperature:	Range -10°C to 40°C ³
Normal Operating and Storage Humidity Range	15 % to 95 % Relative Humidity (non-condensing)
Plastic material:	UL94V0 flame retardant
Fixing:	Screw fixing supplied
Dimensions:	Product - 141mm x 26mm Package - 145mm x 30mm x 145mm
Weight:	180g (Pack +30g)
Warranty:	5 year (limited) warranty
Approvals:	


 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 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.

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