TECHNICAL SPECIFICATION
Ei428 RadioLINK Remote Relay Module with rechargeable Lithium cell back-up
For use with140/160 Series smoke and heat alarms fitted to Ei168 RadioLink bases

1) A relay module with cover to allow flexibility in siting. For use with EI Professional Mains Easi–Fit alarms (Models Ei141, Ei144, Ei146, Ei161, Ei161R, Ei164, Ei166, Ei166R) when mounted on an Ei168 RadioLink base. Note: the Ei428 will not fit under the smoke/heat alarm.
2) Eliminates the need for any cabling between the Ei428 and the smoke/heat alarms used in the system.
3) Requires 230V AC Mains Power Supply – Green LED to indicate mains power is present.
4) Features built-in tamper proof Rechargeable Vanadium Pentoxide Lithium standby cells, capable of lasting at least 10 years and powering the base initially for at least 2 months in the event of mains power failure.
5) The cell manufacturer endorses a minimum 10-year life expectation for the rechargeable cells, which are activated by operating the battery switch inside the base.
6) The product is CE marked to indicate conformance to BS EN 60065:1998 (Electrical Safety), EN300220-1 V1.3.1 (2000-09) (RF Performance), EN301489 V1.4.1 (2002-08) (EMC) and has been 3rd party tested for electrical safety in accordance with Annex K of BS 5446: Pt.1: 2000.
7) Radio frequency: 868.499 MHz 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.
8) 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) Up to 12 RadioLink units can be used in one system. For larger systems contact our Technical Service Department for guidance.
10) Low back-up warning signal – LED indicator flashes RED every 10 seconds to indicate that the lithium cells are depleted.
11) Ambient Temperature Range: 4°C to 40°C. Humidity Range: 0 to 90 % relative humidity.
12) 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.
13) 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 Green LED on the cover of the Ei428 will change to Red and flash slowly: this indicates that it will receive the unique serial numbers being sent by all other RadioLink units in ‘House Code’. The number of flashes of the LED indicates the number of units in the system. The Ei428 will return to normal standby mode automatically after 15 minutes. Pressing the ‘House Code’ switch again will return it to normal standby immediately.
14) Testing the system: Fit all smoke/heat alarms to their Ei168 bases. Press and hold the test button on each alarm in turn – at least until the Amber LED on the side of the base turns on to send the RF signal to other units in the system. All alarms in the system will operate and at the same time the Ei428 relay contacts will switch. All alarms in the system should be similarly tested.
15) A RadioLink Manual Call Point, Ei407 and an Ei411 Remote Control Switch are also available for use in the system. See separate specification sheets for further information.
16) Dimensions: 140 diameter x 27mm depth. Weight inclusive of packaging: 209g.
17) 5 year guarantee.

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