

TECHNICAL SPECIFICATION
Ei407 RadioLink Remote Manual Call Point

For use with Ei168 RadioLink bases using 140/160 Series smoke and heat alarms

- 1) For use with EI Professional Mains Easi-Fit alarms (Models Ei141, Ei144, Ei146, Ei161, Ei161R, Ei164, Ei166, Ei166R) when mounted on Ei168 RadioLink bases.
- 2) Eliminates the need for any cabling between the Ei407 and the smoke/heat alarms 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 very 40 seconds to indicate a healthy power supply. If the LED flashes amber every 40 seconds, this indicates a depleted battery and the complete unit must be replaced.
- 4) 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.
- 5) 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.
- 6) Up to 12 RadioLink units can be used in one system. For larger systems contact our Technical Service Department for guidance. Also see section 7 .
- 7) 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 alarms and the Ei407 in the system. See section 13
- 8) Low battery warning signal – LED indicator flashes Amber every 40 seconds to indicate depleted battery. If this occurs the complete unit should be replaced.
- 9) Ambient Temperature Range: 4°C to 40°C. Humidity Range: 0 to 90 % relative humidity.
- 10) External alarm RF signal: operates sounder on any smoke alarm (with an Ei168 base) in the system.
- 11) 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 units coded at the same time.
- 12) House code: operate the red 'House Code' switch on the back of the unit. At the same time put all other RadioLink units in the system into 'House Code' – see relevant instruction leaflets. The red LED on the front cover will flash rapidly to indicate that it is in 'House Code'. Each Ei168 base will 'learn' the serial numbers of all units in the system (Ei168's, Ei407's and any other RadioLink units). The number of flashes of the amber light on the Ei168 base indicates the number of alarms in the system e.g. 3 x Ei168 and 1 x Ei407; each base should flash 4 times – ignore the flashes on the Ei407, these only indicate that the unit is in 'House Code'. All units will return to normal standby mode automatically after 15 minutes. Pressing the 'House Code' switch again will return them to normal standby immediately.
- 13) Testing the system: Fit all smoke/heat alarms to their Ei168 bases and fix the Ei407 into its final position. 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 should be similarly tested. Test the Ei407 by pressing the black button on the resettable element until the yellow line shows. The red LED on the cover will come on twice for 3½ seconds and then continue to flash red. All alarms in the system should now operate. Reset the element and the system should reset back to standby.
- 14) The Ei407 can be incorporated into a system consisting of any of the additional RadioLink components: Ei411 Remote Test & Locate Switch and Ei428 Remote Relay Module. See separate specification sheets for further information on these.
- 15) Dimensions: 85mm x 85mm x 57mm deep including mounting box.
- 16) Weight: 88g including packaging.
- 17) 5 year guarantee.

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