Heat Alarm

10 Year Lithium Battery Powered

RadioLINK® PROFESSIONAL **Communication**

Model Ei603TYCRF

- **Fixed temperature fast response thermistor sensor, trigger temperature 58°C ± 4°C**
- **Suitable for kitchens & areas where smoke alarms may be subjected to false alarms**
- **10 year Lithium battery powered – designed to outlast the useful life of the alarm**
- **RadioLINK wireless interconnection**
- **Aesthetically pleasing, compact design**
- **Large, easy to use Test button**
- **Easy to fit twist-on base**
- **Kitemarked to BS5446 Pt2:2003**
- **5 year Guarantee**

Product Description

- The Ei603TYCRF is a RadioLINK Heat Alarm, powered by a built-in 10 year Lithium battery. This battery is designed to outlast the usable life of the alarm

- The alarm gives a fire warning when the temperature at the unit reaches 58°C. Heat Alarms are for use in Kitchens and Garages where the use of Optical or Ionisation alarms would lead to unwanted nuisance alarms

- The alarm will interconnect wirelessly to other RadioLINK alarms in the property when activated

- Up to 12 alarms can be interconnected on one system

- RadioLINK enabled Smoke and/or Heat alarms can be "House Coded" together to prevent cross communication with other nearby RadioLINK systems

Operation

- The red indicating light will flash once every 40 seconds to show that the alarm has performed an automatic self test

- The red indicator will flash rapidly to show an alarm condition on the alarm that has triggered

- Pressing and holding the "Test" button will check the sensor, electronics and sound the horn

- The alarm is not powered until it is twisted on the mounting base, thus avoiding battery power consumption during storage and prior to installation

- When RadioLINK interconnected to other smoke/heat alarms, if one alarm is triggered, it will trigger all other interconnected alarms (only the triggered alarm will flash the red indicator)

- The alarm will emit a beep every 40 seconds to indicate that the battery is depleted and the alarm needs replacing

Technical Specification

1. The Heat Alarm carries the BSI Kitemark to indicate type testing to BS 5446: Pt. 2: 2003, Class A1. It will meet the requirements of Grade F as defined in BS 5839: Pt.6: 2004. It carries the CE mark to indicate conformance to Low Voltage and Electromagnetic Compatibility Directives.

2. Fixed temperature thermistor type sensor, temperature range 58°C ± 4°C. Automatic reset facility in that when heat clears from the alarm sensor the unit will reset automatically.

3. The Alarm is powered by a built in 10 Year Lithium battery, designed to outlast the usable life of the Alarm.

4. Radio frequency: 868 MHz band 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.

5. 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 in the system.

6. Up to 12 units can communicate on one system – the range may be a limiting factor.

7. Low battery warning signal, bleeps every 40 seconds for 30 days to indicate when replacement of the alarm is required.

8. Built in sounder giving a minimum sound output of 85dB (A) at 3m. The sounders contacts are soldered directly on to the piezo disc for additional security.

9. Manual integral Test button to simulate the effect of heat and tests sensor, electronics and horn.

10. Automatic Self-Test: Heat sensor is tested every 40 seconds and unit bleeps if a fault is detected.

11. External alarm RF signal: turns on sounder (without red LED flash) until it receives an 'Alarm Cancel' RF signal. Receiver remains on for an additional 11 seconds to check for further alarm signals. This ensures integrity of the interconnect function.

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 units coded at the same time.

13. House Code: operate the "House Code" button on the under side of the alarm, then place and twist alarm on to the base plate. Repeat this with all alarms in the system. A blue LED will flash through the front cover. Each alarm will "Learn" the serial numbers of all units in the system. The units will return to normal stand by mode after 30 minutes. Separate zones can be created within blocks of flats and other large buildings. These zones will not communicate with other "House Coded" zones in the same building, eliminating problems of nuisance alarm affecting all dwellings. If interconnection is required between dwellings, the need to cross boundaries with mains/interconnect cables is eliminated.

14. Repeater function: where distance or obstructions cause range restrictions, the Ei603TYCRF has a built-in multi-level repeater. On receiving an RF signal from another alarm, the unit will automatically re-transmit the signal to other alarms in the system. This provides multiple signal paths to give a strong and robust signal.

15. The Ei603TYCRF can be used with the Ei411H and Ei412 RadioLINK Remote Control Switches to allow remote Test, Silence and Locate features. An Ei407 RadioLINK Manual Call Point is also available. See separate specification sheets for details.

16. Ambient Temperature Range: 4°C to 40°C. Humidity Range: 0 to 90 % relative humidity.

17. Dimensions: 110 x50mm. Weight inclusive of packaging: 300g.

18. 5 year guarantee.

19. Manufactured in Ireland.

Europe's Leader in Residential Fire + Gas Detection
Ei Electronics, Shannon, Ireland

Made in Ireland