Separate Visual Warning Device for Deaf and Hard of Hearing Alarms

230V ~ Mains Powered with Rechargeable Battery Back-up
Alarm for the Deaf and Hard of Hearing

Model EIB171RF

- Stand-alone unit designed for use with RadioLINK bases, alarms & accessories
- Integral high intensity strobe
- Wireless interconnection to RadioLINK units
- Visual RF transmission and power indicators
- Unique “House Coding” feature
- Rechargeable battery back-up
- Low battery power warning
- Auxiliary sockets for connection of additional devices
- 5 year guarantee

Please note smoke alarms sold seperately

Product Description

The EIB171RF is a RadioLINK alarm designed to give warning to the deaf and hard of hearing. It consists of a strobe unit, and runs on 230V AC Mains power with a built in long-life sealed Lead-acid rechargeable battery
It is designed for daytime rooms as a visual indicator. If a bedroom is to be covered then the use of an EIB170RF alarm should be used which includes a vibrating pillow pad (see separate datasheet)
The unit has a built-in high intensity Xenon strobe with a specially designed lens that provides wide-angle light output
An integral ‘Test’ button is also present on the front of the unit, allowing an easy means of testing the strobe, vibration pad and the RadioLINK enabled alarms in the system
The unit has a “House Code” feature that allows a system of RadioLINK units to be coded together to prevent interference with neighboring systems
The unit uses advanced transceiver and signal coding technology to ensure robust and reliable RF signalling.

Operation

The green ‘Power’ indicator light on the front of the strobe unit will illuminate to show mains power is present
- If the mains power fails the green indicator will extinguish and change to an amber flash every 4 seconds to indicate that the unit is running on battery back-up. If the battery back-up becomes depleted, the amber ‘Fault’ indicator will flash once every 4 seconds
- In normal standby mode, the blue indicator will flash every 40 seconds if the battery in one of the RadioLINK alarms it is House Coded with becomes depleted
- In “House Code”, the blue indicator will flash to indicate the number of RF units that have been House Coded together as a system
- On receipt of a RadioLINK alarm or test signal, the strobe will flash. The red ‘Alarm’ indicator light will also flash
- Pressing the Test button will check and activate the strobe. The unit will also send out a RadioLINK alarm signal that will activate all RadioLINK units in the system. The blue indicator will illuminate for 3.5 seconds as the RF signal is being sent.

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Technical Specification

1. A strobe unit designed to give warning of fire to deaf and hard of hearing occupants. For use with BROOKS Professional EIB2110, EIB140 Series Smoke and Heat alarms (when mounted on an EIB168RF RadioLINK base) and RadioLINK Carbon Monoxide (CO) alarms. It can also be used with all other RadioLINK devices/ancillaries, including the 600 Series RadioLINK Smoke & Heat alarms.
2. Eliminates the need for any cabling between the EIB170RF and the Smoke/Heat/CO alarms used in the system.
3. Requires 230V AC, 50Hz Mains Power Supply.
4. The unit has a built in high-intensity Xenon strobe (flash rate 0.8Hz) with a wide light output angle.
5. Built-in long life sealed lead acid rechargeable battery to provide back-up power in the event of mains failure. Standby capacity 7 days (followed by 15 minutes alarm), lifespan 5 years in normal use. The battery is connected by plugging it into the socket in the bottom of the battery box.
6. Comprehensive indicating lights on front of the unit:
Power – constant green to indicate mains is present, flashes amber every 4 seconds with mains absent.
Alarm (red) – flashes every second when unit has been triggered.
Fault (amber) – flashes every 4 seconds if fault is detected with panel/vibration pad.
– flashes every 4 seconds if rechargeable back-up battery is depleted or faulty.
RF status (blue) – illuminates when RF signal is being sent, flashes in House Code mode to indicate the number of
units 'learned' (see point 16), flashes every 40 seconds if RadioLINK smoke alarms have a low
battery
7. Mains transformer is mounted in separate box and hard-wired to the strobe unit with 4m of low Voltage cable. Supplied with 2m of mains cable and pre-wired 13 Amp plug (with a 3 Amp fuse).
8. Integrated Test button on the front of the unit. Pressing this checks strobe and control circuitry and also sends out a RadioLINK alarm signal to other units in the system.
9. Connecting sockets on rear of unit as follows:
Auxiliary sockets – Two auxiliary sockets are available on the rear of the unit to allow connection of additional
Strobes etc. Locking socket (JST type VHR-2N). Each provides 12V/200mA when unit is in alarm. Can be
used for any of the following: auxiliary strobe EI178, or for triggering a radio pager.
10. Radio frequency is 926MHZ
11. RF 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.
12. Up to 12 RadioLINK units can be used in one system. For larger systems contact our Customer Services Department for guidance.
13. 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.
14. House Code: operate the House Code switch by inserting a small screwdriver through the hole on the cover. Also place all other RadioLINK units into House Code mode – see instructions supplied with the units being used. The blue light on the cover of the EIB170RF will flash slowly: this indicates it is receiving the unique serial numbers being sent by all other RadioLINK units in House Code mode. The number of flashes of the blue light indicates the number of units in the system. The EIB170RF will return to normal standby mode automatically after 30 minutes. Pressing the House Code switch again will return it to normal standby immediately.
15. An optional additional strobe (EI178) is available for providing warning in additional rooms. The EI178 is supplied with 10m of pre-wired cable and plug for connection to one of the Auxiliary sockets.
16. Complies with AS/NZ 4268:2003
17. Designed for wall or surface mounting.
18. Dimensions: Control Box - 195mm x 125mm x 75mm Mains Adapter - 60mm x 50mm x 90mm
19. Weight: Control Box - 770g Mains Adapter - 600g
20. Ambient Temperature Range: 4°C to 40°C. Humidity Range: 0 to 90% relative humidity.
21. 5 year guarantee.
22. Manufactured in Ireland.

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