FHB1 (27-7-11) User Manual:Layout 1 27/7/11 08:21 Page 1

OWNERS MANUAL

Fire Hawk

Battery Powered Optical Smoke Alarm



FHB1

FHB1 Product Description

All FireHawk Photoelectric type smoke alarms are approved to EN14604-2005, the most recent and rigorous European Smoke Alarm Standard. The Photoelectric sensing chamber is particularly sensitive to slow smouldering fires typically originating in living rooms, bedrooms and hallways whilst being highly resistant to nuisance alarms.

The life of the product can be significantly reduced by adverse environments, incorrect location and a failure to regularly clean and maintain it according to the following instructions. Incorrect location and a lack of reasonable care may also cause it to malfunction and will invalidate the warranty.

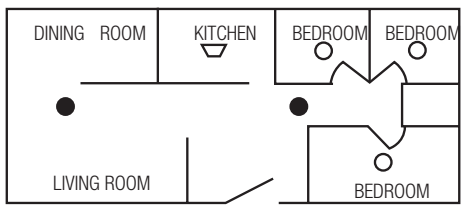
Product Features

- 9 volt PP3 type battery.
- Approved to EN14604:2005, Smoke alarm devices.
- Red LED flashes approximately every 40 seconds confirming unit is receiving power and ready to detect fire conditions. (Quiescent Mode)
- Low Battery Warning – Alarm gives one beep every 40 seconds.
- Test Button tests for sensitivity, circuitry, battery and alarm sounder.
- Loud 85 Decibel Piezo Electric Alarm – Automatically resets when hazardous condition has passed and chamber is clear.

Choice and Location of Alarms

Ionisation type smoke alarms are best at detecting fast flaming fire such as loose burning paper, however, their operation can be significantly delayed the farther they are from the source of the fire and smoke according to recommendations in the British Standard 5839-pt6. Unless there is a significant risk of fast, clean burning fires in a particular area, photoelectric smoke alarms are recommended by that Standard for living accommodation where most fires originate in electrical equipment and smoundering material such as furniture, clothing, curtains and carpets.
Optical Smoke Alarms are best for sensing smouldering fires and are therefore best suited for rooms containing furniture, bedding and clothes such as escape routes, lounges, bedrooms and other living rooms.
Heat Alarms are most suitable for kitchens, boiler rooms, workshops and garages where dust, dirt and moisture would contribute to nuisance alarms. NOTE – Heat alarms should not be used in escape routes and should always be interlinked to smoke alarms.
For minimum protection, install at least one smoke alarm on each level of your home. They should be installed in hallways, corridors and all escape routes from the building and within 3 meters of all bedroom doors. All alarms should be interconnected if supplied with the interlink function.

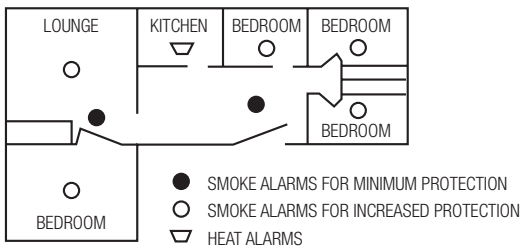
Recommended siting of smoke alarms in ***single storey home with one sleeping area.***



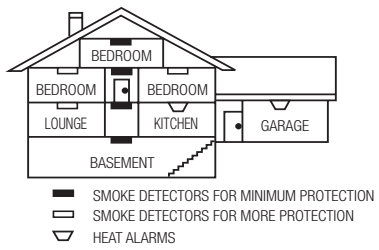
● SMOKE ALARMS FOR MINIMUM PROTECTION
○ SMOKE ALARMS FOR INCREASED PROTECTION
▽ HEAT ALARMS

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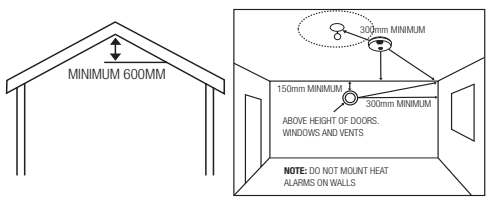
Recommend siting of smoke alarms in ***single storey home with two sleeping areas***



Recommend siting of smoke alarms in ***multi storey homes***



Recommend position of alarms in a room, corridor or escape route.



Do Not Install Smoke Alarms

The life of this alarm can be significantly reduced by adverse environments, incorrect location and a failure to regularly clean and maintain it according to the following instructions. Incorrect location and a lack of reasonable care may also cause it to malfunction and will invalidate the warranty.

1. Do not locate near fans or extractors. These can pull smoke and heat away from the alarms.
2. Do not install in or near high humidity areas such as showers, bathrooms or kitchens where humidity levels exceed 85% or the room temperature exceeds 40^0 of falls below 0^0C. These may cause nuisance alarms and damage the detector.
3. Do not install in the peak of an "A" frame or sloping ceiling. This may delay smoke and heat reaching them due to the presence of still air.
4. Do not install less than 300mm from walls and light fittings when mounted on the ceiling where heat and still air may prevent smoke reaching the alarm.
5. Do not install in insect infected areas.
6. Do not install in areas subjected to heavy concentrations of cigarette smoke that will cause nuisance alarms and the alarm to become contaminated.
7. Do not install smoke alarms in kitchens, boiler rooms and garages where fumes and dust may cause nuisance alarms.
8. Do not install heat alarms in sleeping areas; for example, bedrooms, nurseries, playrooms or areas where the elderly and disabled may spend long periods of time.
9. Do not install on poorly insulated walls and ceilings where cold air boundary layers could prevent smoke reaching the alarm.
10. Do not install near objects that could prevent smoke and heat reaching the alarm.
11. Do not install within 1500mm of fluorescent light fitting that could trigger nuisance alarms.
12. Do not paint the alarm.

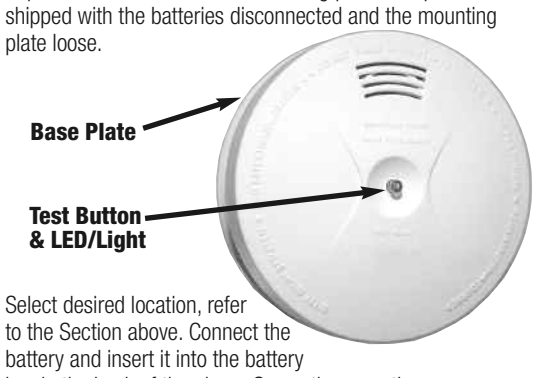
The location of the alarms must be in accordance with applicable building regulations, in particular Part B. Further help and guidance can also be found in BS5839 part 6.

Further Detailed Information on Alarm Location

1. At least one smoke alarm should be installed in the escape route on all floors of the building.
2. The detection element of smoke alarms should be in between 25mm and 600mm below the ceiling, or in the case of heat alarms between 25mm and 150mm.
3. Smoke and heat alarms should be at least 300mm from any wall or light fitting.
4. If ceiling mounting is impractical smoke alarms may be installed on walls provided that the area is no longer or wider than 10 metres and the total area does not exceed $50m^2$ and that:-
   a. The detection element is between 150mm and 300mm below the ceiling.
   b. The bottom of the detection element is above openings such as vents, doors and opening windows.
   c. They are not mounted close to or above heaters or air-conditioning vents.
5. Where smoke alarms are located in a hallway, corridor or landing, the alarm should be no further than three metres from any bedroom door to assist audibility behind closed doors
6. No point on the ceiling in any room, hallway or corridor should be further than 7.5 metres from any smoke alarm.
7. Heat alarms should not be used in escape routes from the building. Where used in other areas, heat alarms should be no more than 5.3 metres from other heat or smoke alarms.
8. Do not install heat alarms in sleeping areas; for example, bedrooms, nurseries, playrooms or areas where the elderly and disabled may spend long periods of time.
9. Do not install heat alarms on walls.
10. To give the earliest warning of a developing fire, smoke alarms should be installed in all the rooms of your home (other than those in point 2 of Choice and Location of Alarms above).

Installation Procedure

Separate the alarm from the mounting plate. The product is shipped with the batteries disconnected and the mounting plate loose.



Select desired location, refer to the Section above. Connect the battery and insert it into the battery bay in the back of the alarm. Screw the mounting base to ceiling using the fixings provided. Line up the slots on the back of the alarm with the two catches inside the mounting plate and mount the alarm.

Once the alarm is on the mounting plate twist it clockwise to lock it into place. The alarm will not twist unless the battery is fitted into its bay.

Testing the Alarm

Press the test button for at least 10 seconds to test the alarm. The alarm should sound with a flashing red light then stop.

After testing check that the red light flashes approximately every 40 seconds.

Test the alarm once a week to ensure correct operation.

WARNING – The electronic test button provides a full test of the alarms functionality. Do not try to test the alarm using either heat, smoke, or naked flame as damage will occur.

User Information

Protect your Home Against Fire

Contact your local Fire Brigade for a home safety check. This information is free and will identify potential fire hazards in and around your home.

Make sure all occupants of the home know what a fire alarm sounds like. Prove and practise and fire escape plan and arrange a suitable and safe assembly point.

Ensure everyone leaves the building as soon as possible.

- Do not run.
- Do not stop to collect belongings.
- If it is safe to do so, close all windows and doors as you escape to prevent the spread of fire.
- Smoke is the main cause of death from fire. If trapped inside the building, cover your mouth, conserve breath, and crawl to safety.

Do not silence a fire alarm until you know the cause of the alarm and when all occupants are safely outside the building.

Alarm Maintenance

WARNING – Do not store alarms in temperatures below 5 degrees and above 30 degrees, and in low humidity; this may cause beeping and nuisance alarms when first installed. These will clear after a short time when the alarm has become acclimatised. Extended periods under these conditions will reduce the life of the alarms and invalidate the warranty.

A regular program of fire alarm maintenance will help to keep your alarm in good working order.

- Test the alarms weekly making sure that all alarms in the system sound within 10 seconds.
- Vacuum the alarms every six months and wipe them with a damp cloth.
- Do not paint the alarm.

A smoke alarm is a sensitive life-saving device. The life of this alarm can be significantly reduced by adverse environments, incorrect location and a failure to regularly clean and maintain it according to the instructions. Incorrect location and a lack of reasonable care may also cause it to malfunction and will invalidate the warranty.

Troubleshooting

The battery will last approximately one year. At the end of the battery's life the alarm will beep once every minute for a minimum of one month.

To replace the battery, twist the alarm anticlockwise to remove from the baseplate. Disconnect battery from the alarm and replace with Duracell MN1604 or GP1604A. Fit the battery into its bay and refit the alarm to the baseplate. Test the alarm for correct operation using the test facility whenever the battery is replaced.

The life of the battery can be significantly shortened by periods of storage or use in temperatures below 5 degrees C or above 30 degrees C. It will also be shortened by frequent or extended periods in full alarm often caused by conditions such as cigarette smoke, steam, aerosol spray and condensation.

Problems are indicated in four ways:

1. The battery beeps once every 40 seconds indicating a low battery.
2. The full alarm sounds for no reason. (A repeating series of three beeps with flashing light).
3. The alarm does not sound when pressing the test button.
4. The test button light remains steadily on or off (i.e. does not flash approximately once every minute, when the unit is not in alarm).

Inspect for obvious damage. Check that the alarm has been installed in accordance with the instructions. In the case of repeated nuisance alarms, check that it is free from dust, cobwebs and external contamination from such things as cigarette smoke, drying paint, spray from household aerosols and steam that will ultimately shorten the life of the battery and invalidate the warranty.

If this does not correct the problem, do NOT attempt to repair. There are no user serviceable parts internally. If the smoke alarm is within the warranty period and terms, indicate the nature of the problem and return the unit with proof of purchase to the address at the end of this manual. Units beyond warranty cannot be economically repaired.

Warranty

Fireblitz guarantees to you, as the purchaser, that the enclosed fire alarm will be free from defects in material, workmanship or design under normal use and service for a period of 5 years.

This Guarantee is not assignable. Our liability to you under this guarantee is limited to repairing or replacing any part which we find to be defective in material, workmanship or design, free of charge to the customer, upon sending the alarm with proof of date of purchase, postage paid to Fireblitz Extinguisher Ltd, Units 15/17 Manford Industrial Estate, Manor Road, Erith, Kent DA8 2AJ.

The terms of this guarantee will not apply in the following circumstances: If the alarm has been modified, dismantled, contaminated, damaged, neglected or otherwise abused or altered following the date of purchase, or if it fails to operate due to incorrect siting, installation, maintenance or flat battery, or damage caused by failure to abide by the instructions supplied. It is specifically drawn to the users attention that substantial periods in alarm will shorten battery life, during which time the fire alarm will have provided valuable protection; no Claim under the guarantee will be entertained.

The liability of Fireblitz Ltd, arising from the sale of this alarm or under the terms of this guarantee shall not in any case exceed the cost of replacement of the alarm. In no case, shall Fireblitz Ltd be liable for consequential loss or damage resulting from the failure of the alarm or the breach of this or any other guarantee, express or implied or for damage caused by failure to abide by the instructions supplied.

This guarantee does not affect your statutory rights.

Fire Hawk

Contact Information for FireHawk

If you require any further help or information please contact FireBlitz at the following address:-

Fireblitz Extinguisher Ltd
Units 15/17 Manford Industrial Estate
Manor Road, Erith, Kent DA8 2AJ
Email: sales@fireblitz.co.uk
www.fireblitz.co.uk
Tel: +44 (0)1322 342238 Fax: +44 (0)1322 331532

PLEASE KEEP THIS HANDBOOK IN A SAFE PLACE

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Fireblitz Extinguisher Ltd
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????-CPD-???? (Model FHB1)
EN 14604:2005 Smoke Alarm Devices
Technical Data: See Product Handbook.