HiSPEC

LIGHTING • FIRE & CO DETECTION

KM 672401
BS 5446-2:2003

UK CA CE

RF PRO

MODEL: HSA/BH/RF10-PRO

LONGLIFE BATTERY OPERATED HEAT ALARM WITH WIRELESS INTERCONNECT

MAIN FEATURES:

- Wireless Interconnection Using Radio Links (Self Learn pairing)
- 10 year Lithium Battery
- Hush Feature
- Power & Alarm Test Button
- Low Battery Warning
- Loud 85db alarm signal
- Supplied with wall plugs & screws
- Pre-warning fault signal
- Compatible with Control Unit HSSA/CU/RF10-PRO

This instruction leaflet contains important information on the correct installation and operation of your smoke alarm. Read this leaflet fully before attempting installation and retain for future reference.

SPECIFICATION

Power Source:	3V Lithium Battery
Battery Life:	10 Year (sealed)
Transmitting & receiving distance:	max. 80m (open space) max. 30m (indoor)
Max. Wireless interconnection:	20 units
Operation Temperature:	0°C-40°C
Ambient Humidity:	10%-90%
Alarm Sound Level:	85 Decibels at 3 metres
Approval:	Certified to BS EN5446-2:2003
Recommended Spacing:	7.5m
Activation Temperature:	60ºC
Transmit & Receive frequency:	868MHz

PRODUCT DESCRIPTION

HSA/BH/RF10-PRO is a heat alarm with built-in wireless interconnection and a 10 year sealed lithium battery.. It can transmit and receive with other RF10-PRO alarms.

LOCATING THE HEAT ALARM

Heat Alarms are intended to be supplementary to Smoke Alarms and should only be placed in areas where smoke alarms cannot be used.

This heat alarm has a built-in wireless interconnection. It can transmit and receive with other smoke alarms and heat alarms. This Heat alarm gives a fire warning when the temperature at the unit reaches 60ºC. It is ideal for kitchens, garages, cellars, boiler rooms, attics and other areas where there are normally high levels of fumes, smoke or dust which preclude the use of Smoke Alarms due to the risk of false alarms.

All the Heat Alarms and Smoke Alarms should be interconnected to ensure the early warning will be heard, particularly by somebody sleeping. A properly designed early warning fire system ensures the alarm is given before the escape routes become blocked with smoke. Therefore there must be Smoke Alarms along the escape routes as Heat Alarms would not give sufficient warning. However, a fire in a closed room (e.g. kitchen) adjoining the escape route, can eventually cause the corridor to become smoke-logged due to smoke leaking out from around the door before adequate warning can be given by detectors in the corridor. A heat alarm in the closed room may give early warning of fire in that room.

If your dwelling is on a single storey, for minimum protection you should fit a Smoke Alarm in a corridor or hallway between the sleeping and living areas. Place it as near to the living areas as possible and ensure the audible alarm can be heard when the bedrooms are occupied. See Figure 1 for examples.

If your dwelling is multi-storey, for minimum protection one Smoke Alarm should be fitted at the bottom of the staircase with further alarms fitted on each upstairs landing. This includes basements but excludes crawl spaces and unfinished attics. See Figure 2 for examples.

FIGURE 1 - SINGLE STORY DWELLING

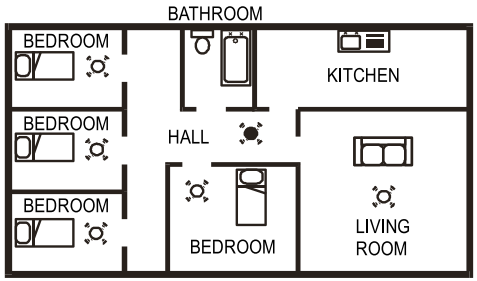
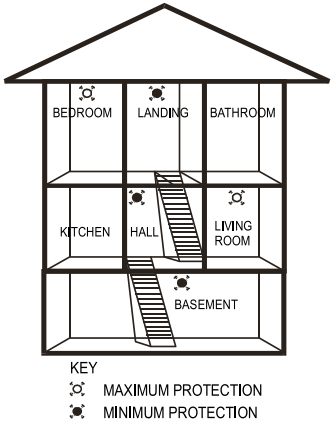


FIGURE 2 - 2/3 STORY DWELLING



NOTE: For maximum protection Smoke Alarms should be fitted in every room (except kitchen, bathroom and garage). Heat Alarms located in kitchens, garages, boiler rooms etc. within 5.3m (17ft) of potential fire sources. DO NOT FIT THE HEAT ALARM IN THE BATHROOM, SHOWER ROOMS or other room where the unit may be triggered by steam or condensation.

POSITIONING THE HEAT ALARM

Ceiling Mounting

As hot smoke rises and spreads, it is advisable to mount on a ceiling in a central position. Avoid areas where there is no air circulation. E.g. Corners of rooms and keep away from items which may prevent the free flow of air. Place the unit at least 300mm from any light fittings or decorative objects which might obstruct smoke entering the alarm. Keep at least 300mm away from walls. See **Figure 3i.**

Wall Mounting

Do not mount tight into the corners. Put the top edge of your alarm between 150 and 300mm below the ceiling. Keep at least 300mm from room corners. See **Figure 3i**

On a Sloping Ceiling

In areas with sloping or peaked ceilings install your Alarm in accordance with **Figure 3ii** because "dead air" at the apex may not allow smoke to adequately enter the alarm.

Figure 3i Positioning the smoke / heat detector

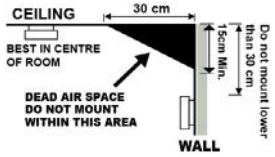


Figure 3ii

AREAS TO BE AVOIDED:

- Situations where the temperature may fall below 0˚C or rise above 40°C for extended periods
- Humid areas such as BATHROOMS, KITCHENS, SHOWER ROOMS where the relative humidity may exceed 90% as vapour will cause false alarms.
- Near a DECORATIVE OBJECT, DOOR, LIGHT FITTING, WINDOW MOULDING etc., that may prevent smoke from entering the alarm.
- Fume filled environments such as GARAGES. Exhaust gases may cause false alarms.
- Adjacent to or directly above hot components such as RADIATORS or WALL VENTS that can affect the direction of air currents.
- In VERY DUSTY OR DIRTY environments such as workshops.
- Locate unit at least 1.5m and route wiring at least 1m away for FLUORESCENT LIGHT FITTINGS as electrical “noise” and/or flickering may affect the unit. Do not wire into the same circuit as fluorescent lights or dimmers.
- Do not locate in INSECT INFESTED AREAS. Insects and contamination on the alarm sensor can increase its response time.

PAIRING THE SMOKE ALARM

This alarm is powered by battery and requires no additional wiring.

On First Alarm

1. **Attach the mounting plate to the alarm. (This is done by lining up the tab on the mounting plate with the arrow on the smoke alarm)**
2. **Turn clockwise to activate battery.**
3. **Press black button and hold for approx 5 seconds. (LED will go RED for 30 seconds) Alarm is now in paring mode.**

On all additional alarms

1. **Press black button twice (LED will FLASH RED 5 times**
2. **The alarms are now paired**

IMPORTANT!
The Wireless Pairing Button is only used for wireless interconnection.

INSTALLING THE HEAT ALARM

- Attach the upper Heat alarm unit firmly into the mounting plate
- Place the mounting plate on the ceiling, and use the screws to secure the mounting plate.
- Having established the mounting location ensure that there are no electrical wiring or pipe work in the area adjacent to the mounting surface.
- Take the mounting plate and mark the two mounting holes' locations.
- Drill holes in the positions marked.
- Insert wall plugs into the drilled holes.
- Screw mounting plate to mounting surface using a screwdriver not an impact driver. DO NOT OVER TIGHTEN.

Once mounting plate is secured to ceiling line up the alarm with mounting plate and twist clockwise to attach mounting plate to alarm. This should now be secured to the ceiling.

Lock in position by giving a clockwise quarter turn. This clockwise turn can switch on the sealed-in battery in same time. i.e. power on the device simultaneously

Test the alarm for correct operation by holding test button down for 20 seconds, once the alarm is integrated and installed.

OPERATING YOUR HEAT ALARM

Once the heat alarm has been installed a small indicator light (LED), positioned beside the test button, and should flash approximately once a minute in normal operation. If high temperature (60ºC) has been detected, the unit will emit a load pulsating alarm until the air is clear.

TESTING YOUR HEAT ALARM

It is recommended that you test your heat alarm once a week to ensure the detector is working correctly. Push and hold the test button for up to 20 seconds to trigger all interconnectable alarms. A pulsating alarm should sound to indicate the correct function. During the alarm condition the indicator light will flash quickly.

After installation and after reoccupation of the dwelling following a vacation etc, check all your alarms.

LOW BATTERY WARNING

If the heat alarm emits a short 'beep' once every 40 seconds the battery is at the end of its life and this detector should be replaced immediately. This low voltage warning will be given for at least 30 days. If the red indicator light (LED) does not flash every 40 seconds then replace the whole heat alarm unit.

In this case, the other interconnected units in the system which are not in low battery condition will chirps for a few seconds once an hour as long as the detector with the "dead" battery beeps.

BATTERY SEALED-IN NOT FOR REPLACEMENT

ACTION IN THE EVENT OF A FALSE ALARM

- If there is a false alarm, simply press the test / hush button on the cover to mute the unit for 10 minutes.
- Leave the building as quickly as possible. Check room doors for heat or smoke. Do not open a hot door. Use an alternate escape route. Crawl along the floor, if possible, through a wet cloth or hold your breath. Do not stop to collect anything.
- If there are frequent nuisance/ false alarms it may be necessary to re-locate the device. If for some reasons the alarm continues to give false alarm, clean the alarm unit, see Section - MAINTAINING YOUR SMOKE ALARM). If cleaning the alarm does not correct the problem it can be returned to the place where you bought it.

IN THE EVENT OF FIRE

- Leave the building as quickly as possible. Check room doors for heat or smoke. Do not open a hot door. Use an alternate escape route. Crawl along the floor, if possible, through a wet cloth or hold your breath. Do not stop to collect anything.
- Meet at a pre-arranged meeting place outside the dwelling and check everybody is there.
- Call the Fire Brigade from outside the building immediately. The brigade should be summoned regardless of the size of the fire and regardless of whether there is a facility for transmission of alarms to a remote manned centre.
- Do not go back inside a burning building and wait for the Fire Brigade to arrive.

MAINTAINING YOUR HEAT ALARM

Clean your heat alarm regularly to prevent dust build up. This can be done using a vacuum cleaner with the brush attachment. Clean gently around the front grilled section and sides. Never use water, cleaners or solvents since they may damage the smoke alarm.

When the battery is low, replace with a new heat alarm.

If the alarm fails to operate properly, please return to the wholesaler you purchased it from.

NOTE: THE APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING.

PRE-WARNING FAULT SIGNAL (YELLOW LED)

When there is no fire or smoke accident, if the LED on front cover light is on yellow, it means there may be dust inside or the unit cannot function properly. This is a pre-warning signal that the user should replace the unit with a new heat alarm.

IMPORTANT SAFEGUARDS

Installation of your heat alarm is only one step in your safety plan. Other important steps should be taken to further improve your safety:

- Install the heat alarm properly, following this instruction leaflet
- Test your heat alarm weekly
- Replace with a new heat alarm immediately once depleted
- Keep matches & lighters away from children
- Store flammable materials in a proper manner and never use them near naked flames or sparks
- Maintain emergency equipment such as Fire Extinguishers, escape ladders etc and ensure all occupants know how to use them correctly.
- Plan an escape route/s from your building in advance and ensure all occupants are aware of them. Re-enforce this awareness periodically through-out the year.
- Make sure escape routes remain free of any obstructions.
- A warning that batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

WARNING! If THERE IS ANY QUESTION AS TO THE CAUSE OF AN ALARM IT SHOULD BE ASSUMED THAT THE ALARM IS DUE TO AN ACTUAL FIRE AND THE DWELLING SHOULD BE EVACUATED IMMEDIATELY.

THIS PRODUCT IS A SEALED UNIT AND CANNOT BE REPAIRED – IF THE UNIT IS TAMPERED WITH IT WILL INVALIDATE THE WARRANTY. IF THE UNIT IS FAULTY PLEASE RETURN IT TO YOUR ORIGINAL SUPPLIER WITH YOUR PROOF OF PURCHASE.

LIMITATIONS OF THE HEAT ALARM

- Heat alarms are not designed to protect life safety against fire and smoke. In most fires, hazardous levels of toxics gases and smoke can build up before the Heat Alarm will operate. In cases where life safety is an issue, Heat Alarms should only be used to provide an added source of protection.
- Heat alarms cannot provide an alarm if heat does not reach the alarm. Therefore, Heat Alarms may not sense fires starting in chimneys, walls, on roofs, on the other side of a closed door or on a different floor. It should be installed in each sleeping area, on every level of a home and be interconnected with each other and the heat alarms.
- Home fires develop in different ways and are often unpredictable. No one type of alarm is always best, and a given alarm may not always provide warning of a fire.

ALARM LIMITED WARRANTY

This alarm is in warranty under normal use and service for a period of 5 years (excluding battery) from date of purchase. The company will not be obligated to repair or replace parts which are found to be in need of repair because of misuse, damage or alterations occur after the date of purchase. Send the alarm with proof of purchase, postage and return postage prepaid, to local distributor. The liability of the company arising from the sale of this alarm shall not in any case exceed the cost of replacement of alarm and in no case shall the company be liable for consequential loss or damages resulting from the failure of the alarm.

HISPEC ELECTRICAL PRODUCTS LTD. SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE, OR ANY SPECIAL INCIDENTAL, CONTINGENT OR CONSEQUENTIAL DAMAGE OF ANY KIND RESULTING FROM A FIRE. THE EXCLUSIVE REMEDY FOR BREACH OF THE LIMITED WARRANTY CONTAINED HEREIN IS THE REPAIR OR REPLACEMENT OF THE DETECTIVE PRODUCT AT HISPEC ELECTRICAL PRODUCTS LTD. OPTION. IN NO CASE SHALL HISPEC ELECTRICAL PRODUCTS LTD.'S LIABILITY UNDER ANY OTHER REMEDY PRESCRIBED BY LAW EXCEED THE PURCHASE PRICE. YOUR ALARM IS NOT A SUBSTITUTE FOR PROPERTY, DISABILITY, LIFE OR OTHER INSURANCE OF ANY KIND. APPROPRIATE COVERAGE IS YOUR RESPONSIBILITY. CONSULT YOUR INSURANCE AGENT.

This does not affect your statutory rights. This alarm is only suitable for residential dwellings and is not suitable for commercial or industrial use.

Waste electrical products should not be disposed of with normal household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. New regulation will encourage the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005).