

Model: DVM-HA30

Thank you for purchasing our heat detector. Take a few minutes to read the user manual thoroughly and familiarize yourself and your family with how the heat detector works. And save it for future reference.



KM 715769
BS 5446-2:2003

PRODUCT SPECIFICATIONS:

Warranty period: Lifetime = 10 years

After that, the heat detector must be replaced.

Look for the production date on the sticker of the detector.

Power supply: Fixed Lithium battery 3 VDC (CR17450), battery not interchangeable

Alarm Volume: >85dB (A) at 3 meters

Alarm Sensitivity: 54 °C to 70 °C

Alarm Pause: About 8 minutes

Complies with: BS 5446-2:2003

Sound Pattern: ISO8201 (Beep 0.5s – Pause 0.5s – Beep 0.5s – Pause 0.5s – Beep 0.5s – Pause 1.5s while the red LED flashes. This pattern is repeated over and over again.

Interconnectivity: wireless up to 40 detectors

Sound pattern of the wireless interconnection: Beep-Beep – Pause 1.2s. This pattern is repeated over and over again.

DESCRIPTION

This is a heat detector, which can be used in places where a smoke detector would cause false alarms, due to dust, fumes, moist. Examples of such places in your home are kitchen, garage, cellar, attic, etc. Other examples are places where fumes (e.g. from grinding), smoke (e.g. from welding) or moist (e.g. from steam cleaning), can be generated. Please note that this device does not detect flames, smoke, carbon monoxide or other dangerous gases. It detects temperatures above a certain level as well as rapidly rises in temperature.

It has a long life (guaranteed 10 years) and an expected battery life of 10 years, so there is no need to replace the battery during its lifetime.

RECOMMENDED LOCATIONS FOR HEAT DETECTORS

1. For best protection heat detectors should be installed as part of a complete fire protection system that also includes smoke detectors.

Heat detectors are best suited to areas such as boiler rooms, kitchens, laundry rooms and garages where dust, fumes and moisture can cause nuisance alarms in smoke detectors.

Heat detectors should not be installed in escape routes instead of smoke detectors. They should only be used in the above applications and where possible be interlinked to smoke detectors. (Smoke detectors should be installed in circulation areas forming part of escape routes and in every room in the home).

2. When heat detectors are installed in a room, they should be placed on the ceiling, ideally in the centre of the room. They should be at a distance no greater than 5.3 m from the farthest wall, no greater than 5.3 m from a door to any room in which a fire might start and no greater than 5.3 m from the next heat detector

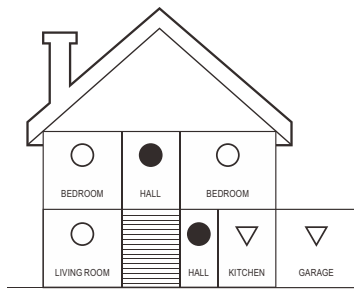
NOTE: Heat detectors should not be wall mounted.

3. Closed doors and other obstructions will interfere with the path of heat to a detector and may prevent occupants from hearing an alarm on the other side of a closed door. Install sufficient detectors to compensate for closed doors and obstacles.

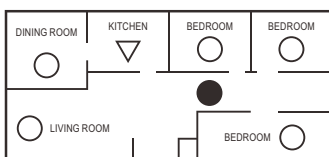
For further help and information on types and location of fire detection alarms refer to BS5839 pt 6 and the Fire Safety guidance given by the Department of Transport, Local Government and the Regions (DTLR).

CAUTION: Research indicates that substantial increases in warning time can be obtained with each properly installed additional detector. It is strongly recommended that the advice in item 1 above be followed to ensure maximum protection.

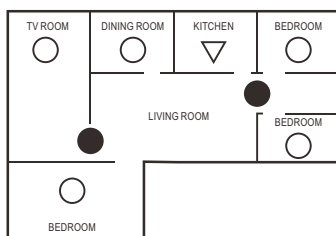
TWO Storey dwelling



Single storey, one sleeping



Single storey, two sleeping



- Smoke alarms for limited protection
- Additional smoke alarms for better coverage
- ▽ Heat alarms

①

②

IMPORTANT: These heat detectors are intended primarily for use in single occupancy private dwellings. For use in other applications the manufacturers advice should be sought.

LOCATIONS TO AVOID

DO NOT locate heat detectors :

1. In turbulent air from fans, heaters, doors, windows, etc.
2. In high humidity areas such as bathrooms and shower rooms or where the temperature exceeds 39 °C (100 °F) or falls below 5 °C (40 °F)
3. At the peak of an 'A' frame ceiling - dead air at the top may prevent smoke and heat from reaching the detector to provide an early warning.
4. Less than 30 cm (12 inches) from a wall when mounted on the ceiling.
5. In very dusty or dirty areas - dirt and excessive dust can impair the performance of the detector.
6. Within 30 cm (12 inches) of a light fitting or room corners.
7. In locations that would make routine testing or maintenance hazardous, (e.g. over a stairwell).
8. On poorly insulated ceilings.
9. Near objects such as ceiling decorations that might impede the path of heat to the detector.
10. Within 1,5 m (5 feet) of a fluorescent light fitting. Further help and information may be found in BS5839 Part 6.

ACTIVATION OF THE DETECTOR:

Press and hold the test button for about 3 seconds until LED lights up. Then release the test button within about 2 seconds. The heat detector gives a beep signal to indicate that it is activated and enters the working state.

INSTALLATION:

WARNING: To prevent injury, the heat detector must be securely attached to the ceiling, as described below.

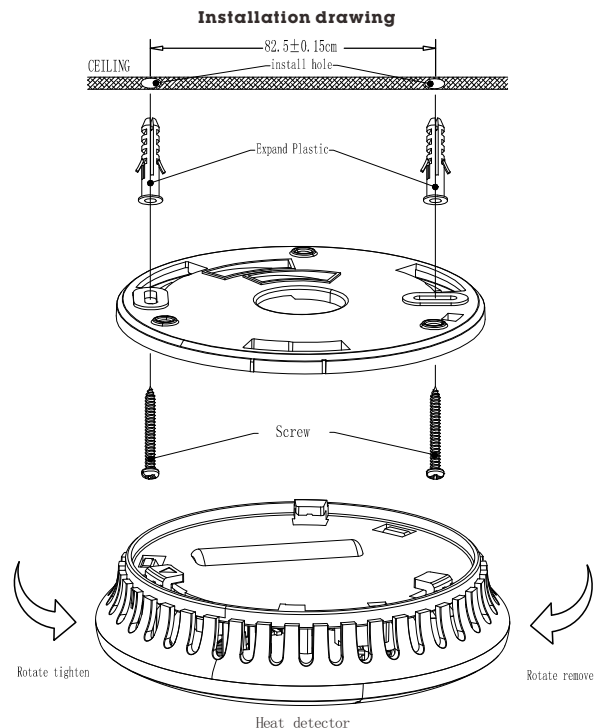


Figure 3

OPERATION AND TESTING:

Testing:

Press the test button. If the detector works correctly, the alarm will go off. If the alarm does not go off, the battery is empty or the heat detector is defective.

DO NOT use an open flame to test your detector, you could damage the detector or cause a fire.

NOTE: Test the heat detector every week!

Resting state:

The red LED flashes 1 time every 48 seconds to indicate that the heat detector is active.

Alarm state:

When the detector detects a high temperature level, it gives a sound alarm and the red LED flashes once every second. The sound alarm and the flashing LED continue until the temperature level is back to normal.

Low battery voltage:

IMPORTANT: For the heat detector to function correctly, the battery voltage must be sufficient. If the battery voltage becomes too low, the detector will sound a beep every 48 seconds, with the LED flashing 1x. When you hear this, you should immediately install a new heat detector. The heat detector will warn of a low battery voltage for at least 30 days.

If you do not install a new detector in time, the heat detector may not receive enough voltage to alert you in a real fire situation.

Fault indication

The detector beeps every 48 seconds.

Alarm pause

If the heat detector is in alarm you can press the test button, the alarm signal (beeps) is then silent for about 8 minutes. The red LED continues to flash every 8 seconds, as an indication that the heat detector is on Alarm pause.

If the heat detector generates the complete alarm signal (beeps plus flashing LED) and you are not testing the detector, the heat detector warns of a potentially dangerous situation that requires your immediate attention. Use the Alarm pause only after you have made sure that there is no persistent fire situation.

Do not block the heat detector vents or turn off the heat detector in any way, as this will lift your protection.

A rapid rise in temperature will override the Alarm pause and causes the detector to again sound the alarm. After 8 minutes the heat detector will revert to normal operation. If the heat detector still detects a dangerous situation the alarm will sound again.

If interconnected detectors are installed, the detector that detects the high temperature and sounds the alarm cannot be inadvertently silenced by the Test button of other units. In this case all the detectors will continue to sound for as long as a dangerous situation is detected or until the Test button of the initiating detector is pressed.

If the detector, after pressing the Test button, continues to sound its alarm, the heat in the area is still too high and a dangerous situation may exist - take emergency action.

WHAT TO DO IN CASE OF A FIRE IN YOUR HOME

1. Don't panic and stay calm.
2. Alert your roommates and especially small children.
3. All leave your home immediately. Every second counts, so don't waste time getting dressed or picking up valuables.
4. Do not open any interior door without first feeling the surface. If the door is hot, or if you see smoke coming through the cracks, don't open that door! Choose another escape route, if necessary through a window to the outside (take into account how high above the ground that window is).
- If the door is cool, place your shoulder against it, open the door a little, and be ready to slam the door shut if heat and smoke come in.
5. If the air is smoky, stay close to the floor. Breathe shallowly through a cloth, wetting it if possible.
6. If you are outside, go to a place that has been agreed in advance with your housemates. Make sure everyone is present.
7. Call the fire department with your mobile phone or with the neighbour's phone. Under no circumstances do you go back to get your phone or other things.
8. Do not go back into your home until the fire department gives permission.

REGULAR MAINTENANCE

In addition to performing a monthly test, the detector must be cleaned regularly to remove dust and stuck dirt.

Clean the detector at least once a month.

Use a vacuum cleaner with the soft brush, vacuum the entire outside of the heat detector.

This heat detector has a low-battery monitor that ensures that the detector beeps approximately every 48 seconds for at least 30 days and the red LED flashes at the same time when the battery is low.

If there is an empty or defective battery or other malfunctions, you can consult "TROUBLESHOOTING" for a solution. If there are still malfunctions and you are in the warranty period, you can send the heat detector to your supplier.

IMPORTANT: Do not try to open the case to clean the inside. This can damage the measuring chamber and you lose the right to warranty.

Warnings:

- ◆ Heat detectors can reduce the risk of disaster, but they cannot guarantee 100% safety.
- ◆ To ensure your maximum safety, you should install all heat detectors exactly according to this manual.
- ◆ Keep the heat detectors clean. Make sure no dust accumulates and test at least once a week.
- ◆ Replace the heat detectors immediately if they do not work properly.

TROUBLE SHOOTING

Problem	Solution
The Heat Detector does not give an alarm signal during testing. NOTE: Keep the test button pressed for at least five (5) seconds during testing!	<ol style="list-style-type: none"> 1. You must activate the detector before installation. 2. If faults continue to occur during the warranty, please contact your supplier. 3. If the detector is no longer under warranty, replace it with a new detector.
The heat detector beeps and the red LED flashes once every 48 seconds.	The battery has a low voltage status, replace the detector with a new one.
Heat detector sounds false alarms.	<ol style="list-style-type: none"> 1. Clean the heat detector. See "REGULAR MAINTENANCE". 2. Move the heat detector to another location (see "RECOMMENDED LOCATIONS") and press the test button.

WARRANTY INFORMATION

Guarantees from the producer to the end user (the consumer). The manufacturer guarantees that each new smoke detector under normal use and maintenance, for a period of 10 years from the date of manufacture, is free from defects in materials and workmanship. This warranty does not cover damage resulting from accident, misuse or misuse or lack of reasonable care for the product. The manufacturer is in no way liable for any incidental or consequential damages in the event of breach of this or any other warranty, express or implied, of any kind whatsoever. Defective products can be returned to the seller with a detailed description of the problem.



DVM International B.V.
Vlierlaan 5
3735 KT Bosch en Duin
Netherlands
Tel: +31 85 0602388
Email: info@dvm-i.com

Manufactured in China.