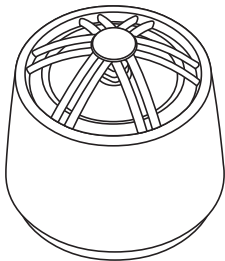




OM403-LS User Manual
10-YEAR BATTERY
MICRO HEAT ALARM



Read this User Manual before installation

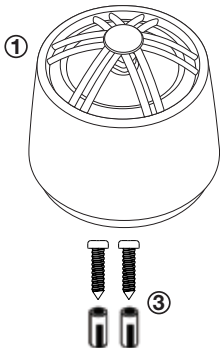


BS 5446-2:2003

1. General Information

This is a heat alarm device that is activated when it reaches a preset minimum heat warning level (around 59°C). It is not a smoke detector. If the heat alarm is properly located and maintained, it will detect dangerous heat levels caused by the emergence of a fast flaming fire. Please note – although this heat alarm is designed to detect dangerous heat levels, it cannot prevent a fire. Please read the User Manual carefully before you install this heat alarm.

2. Alarm & Mounting Hardware



- 1 - Main unit
- 2 - User Manual
- 3 - Screws and anchor plugs (2 sets)

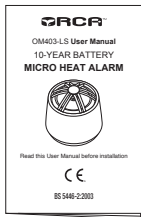
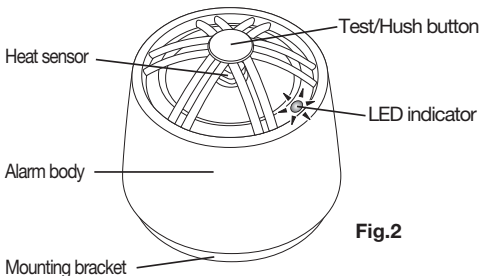


Fig.1

3. Heat Alarm Features



4. Heat Alarm Specifications

Dimensions: $\Phi 50 \times 43$ mm

Weight: 40g

Operating Temperature: 4°C - 38°C

Power: Built-in 3V Lithium battery (not replaceable)

Operating Current: $<5\mu\text{A}$ (standby), $<160\text{mA}$ (alarm)

Alarm Volume: $>85\text{dB}$ at 3 meters

Heat Sensitivity Range: 54 - 70°C

Complies with: BS5446-2:2003

Service Environment: Residential dwelling

Designed Life: 10 years

5. Where to locate your alarm?

A heat alarm should be mounted on the ceiling in the following rooms in your dwelling:

- Kitchen
- Living Room with solid fuel burner or radiant heater
- Garage
- Laundry
- Attic Area
- Any other room that has a heat source such as a boiler room

1. Attic space
2. Bedroom
3. Staircase
4. Bathroom
5. Living room
6. Kitchen
7. Entrance
8. Laundry
9. Garage

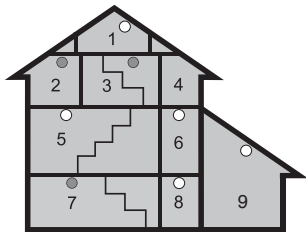
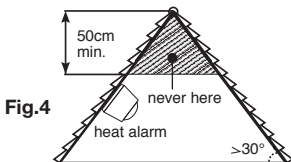


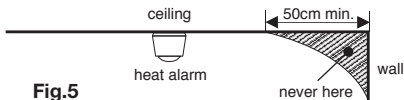
Fig.3

- Heat alarm for minimum protection
- Heat alarm for extra protection

6. Locations to avoid



Do not install heat alarm within 50cm of the peak of a sloping ceiling, if the angle of the ceiling is greater than 30° .



Do not install heat alarms within 50cm the corner of a ceiling.

NB. Do not locate the heat alarm directly above a stove or solid fuel burner.

7. Mounting the heat alarm

To mount the heat alarm, proceed as follows:

- Choose a location for the alarm on the ceiling near the centre of the room.
- Use the mounting bracket to mark the screw hole positions on the ceiling.
- Drill the screw holes with a 5mm drill bit and insert the plastic plugs, gently tapping them flush with the ceiling with a hammer.
- Screw the mounting bracket to the ceiling, inserting the screws into the plastic plugs.
- Gently screw the alarm body clockwise onto the mounting bracket. The alarm will immediately power on.
- Lastly, check the heat alarm is operational by depressing and holding the Test/Hush button until the alarm sounds.

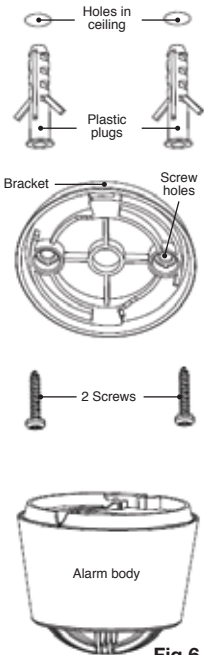


Fig.6

8. Functionality

8.1 Signal - The heat alarm has both a visible LED and acoustic alarm signal.

8.2 Standby Mode - The alarm goes to standby mode once powered on, with the LED flashing every 32 seconds to indicate normal operation.

8.3 Testing - Test the heat alarm once a week to ensure correct operation by depressing and holding the test button down until the alarm sounds. This can be performed from the floor using a broom handle.

8.4 Alarm Mode - In alarm mode, the heat alarm will emit a loud sweeping sound pattern of 3 beeps followed by a pause and then repeating. This is designed to alert occupants. The LED will flash simultaneously.

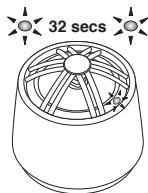


Fig.7

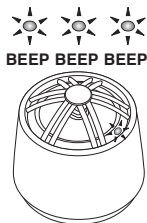


Fig.8

8.5 Alarm Hush Mode -

If alarm activates when there is no fire or dangerous situation present, the alarm siren can be hushed by depressing the Test/Hush button. This will pause the unit for approximately 10 minutes. During this time, the LED will flash every 8 seconds indicating Hush Mode. The heat alarm will automatically reset after 10 minutes providing the air temperature has reduced to normal. However, if the air temperature is still in the heat sensitivity range (see page 3), the alarm will reactivate.

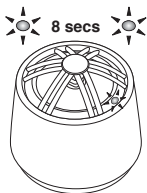


Fig.9

8.6 Fault Mode - If the alarm has developed a fault, the battery level is low, or the alarm has reached the end-of-life status, the alarm will chirp every 32 seconds.

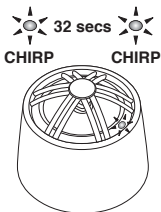


Fig.10

Please replace heat alarm under conditions of malfunction, end of life or low-battery warning.

9. Precautions for use

- Test weekly.
- Do not paint the heat alarm.
- Both the heat alarm designed lifetime and battery standby time (including weekly test) is 10 years. The battery service time decreases if the alarm is frequently activated for longer periods. Please note - the battery is not replaceable.
- Heat alarms have limitations. This heat alarm is not foolproof and is not warranted to protect lives or property from fire. Heat alarms are not a substitute for insurance. Homeowners and renters should insure their lives and property. In addition, it is possible for the heat alarm to fail at any time. For this reason, you must test the heat alarm weekly and replace it every 10 years.
- Heat alarms may not alert every household member every time. The alarm siren is loud in order to alert individuals to a potential danger. However, there may be limiting circumstances where a household member may not hear the alarm (i.e., outdoor or indoor noise, sound sleepers, drug or alcohol usage, the hard of

hearing, etc.). If you suspect that this heat alarm may not alert a household member, install and maintain specialty alarms. Household members must hear the alarm's warning sound and quickly respond to it to reduce the risk of damage, injury, or death that may result from fire. If a household member is hard of hearing, install special heat and smoke alarms with lights or vibrating devices to alert occupants.

10. What to do in case of fire

1. Do not panic - stay calm!
2. Leave the building as quickly as possible. Touch doors to feel if they are hot before opening them. Use an alternate exit if necessary. Crawl along the floor and do not stop to collect anything.
3. Meet at a pre-arranged meeting place outside the building.
4. Call the fire department from outside the building.
5. Do not go back inside a burning building. Wait for the fire department to arrive.

Note: These guidelines will assist you in the event of a fire, however, to reduce the chance that fires will start, practice fire safety rules and prevent hazardous situations.

IMPORTANT

Newfield Group, NZ warrants to the original purchaser each new heat alarm to be free from defects in material and workmanship under normal use and service for a period of seven years from the date of purchase.

This warranty does not cover damage resulting from accident, misuse or abuse or lack of reasonable care of the product. This warranty is in lieu of all other express warranties, obligations or liabilities.

THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO A PERIOD OF SEVEN YEARS FOR THE HEAT ALARM FROM PURCHASE DATE.

IN NO CASE SHALL WE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY ITS NEGLIGENCE OR FAULT.



Distributed in New Zealand by
Newfield Group
www.newfield.co.nz



Heat Sensor

Detects dangerous increase in room temperature

Large Hush/Test Button

To quieten false alarms or check alarm functioning

Flashing Warning Light

Visible when alarm is activated

Extra Loud Warning Tone

85db at 3 metres industry standard

Low Battery Warning

Indicates alarm end-of-life or alarm malfunction

Sealed Long Life Battery

Tamper-proof & designed to last the life of the alarm