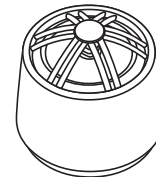


ORCA™

Micro Heat Alarm User Manual

OM403-LS

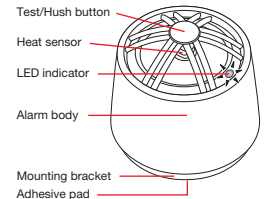


Please read this User Manual carefully before operation.
The illustrations in the manual are for reference purposes only.

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.

Product Introduction

Product Details



Screw Anchor plug

Alarm

Fastening
pack

SPECIFICATIONS

Dimensions	Φ50x43mm
Weight	40g
Operating Temperature	4°C-38°C
Power	Built-in 3V Lithium battery (not replaceable)
Operating Current	<5uA(standby) <160mA (alarm)
Alarm Volume	>85dB at 3 meters
Heat Sensitivity Range	54-70°C
Complies with	BS5446-2:2003
Service Environment	Residential dwelling
Designed Life	10 years

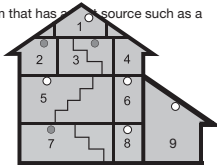
Technical Data

Where to Locate

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

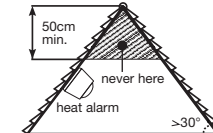
- Kitchen
- Living Room with solid fuel burner or radiant heater
- Garage
- Laundry
- Attic Area
- Any other room that has a heat source such as a boiler room

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

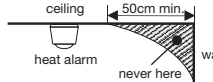


- Heat alarm for minimum protection
- Heat alarm for extra protection

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.

Mounting Using the Adhesive Pad

This mounting method works only on smooth even surfaces.

- Ensure the desired ceiling location is free of dust, dirt or flaking paint.
- Remove the mounting plate from the alarm.
- Remove the protective membrane from the adhesive pad on the mounting bracket.
- Press the bracket firmly against the ceiling for 10 seconds, allowing the self adhesive pad to stick securely to the ceiling.
- Attach the alarm to the mounting bracket and turn clockwise to lock into place. This will activate the alarm.
- Lastly, check the heat alarm is operational by depressing and holding the Test/Hush button until the alarm sounds.

Mounting Using Screws

This mounting method works on any surface.

- Remove the mounting bracket from the alarm.
- Choose a location for the alarm on the ceiling.
- Using the mounting bracket, mark the screw hole positions on the ceiling.
- Drill the screw holes with a 5mm drill bit
- Insert the plastic plugs into the holes and gently tap them flush with the ceiling with a hammer.
- Place the mounting bracket into position and insert the screws into the plastic plugs.
- Screw the mounting bracket to the ceiling.
- Attach the alarm to the mounting bracket and turn clockwise to lock into place. This will activate the alarm.
- Lastly, check the heat alarm is operational by depressing and holding the Test/Hush button until the alarm sounds.

Precautions

- Test weekly.
- Do not paint the heat alarm.
- The heat alarm has a lifetime of 10 years. This can decrease if the alarm is frequently activated. 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. If a household member is hard of hearing, install specialty alarms.

Status	Red LED Light	Alarm Sound
Normal	LED flashes every 32 seconds	No
Testing	LED flashes while button pressed	Beeps while button pressed
Alarm	LED flashes 3 times, pauses & repeats	Beeps 3 times pauses & repeats
Hush Mode	LED flashes every 8 seconds	No
Low Power	LED flashes every 32 seconds	Chirps every 32 seconds
Fault	LED flashes every 32 seconds	Chirps every 32 seconds

TROUBLESHOOTING GUIDE

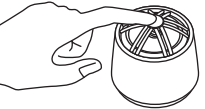
- If the alarm does not operate correctly, please follow the procedures below to troubleshoot.
1. If the alarm starts chirping regularly, the battery could be low or a fault exists (see table above). Please replace the alarm.
 2. If the alarm does not sound and it is properly attached to the mounting bracket, it will need replacing.

Status and Troubleshooting

Hush and Test

Hush Function

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.



Press and hold the test button to test the alarm. This can be performed from the floor using a broom handle. The alarm siren will sound. This means the detector is working normally. The alarm will stop sounding after releasing the test button. It is recommended to test the alarm weekly. Do not use an open flame to test the alarm.

TIPS FOR FIRE SAFETY

1. Combustible liquids such as fuel should be stored in safe places.
2. Please do not smoke in bed or leave unattended cooking.
3. If plugs, switches, sockets or electric wires etc. are broken, frayed or cracked, please replace them immediately .
4. If using electric home appliances such as heaters, do not overload the circuit. Regularly inspect appliances to prevent occurrence of fires.
5. Keep portable heaters and open fire such as candles away from flammable materials.
6. Keep matches and lighters away from children.
7. Make sure there is at least one working fire extinguisher on every floor and an additional one in the kitchen.
9. For multi-level homes, make sure fire escape ladders or other reliable means of escape are available in case stairs are blocked.
8. Create a Household Evacuation Plan. Make sure all family members know what to do when a fire alarm occurs.

9. Install alarms correctly (see page 5). Keep alarms clean and do not let dust accumulate on them. Test alarms at least once every month to make sure they are working properly. If not please replace them immediately.

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.



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Note
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