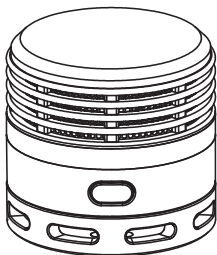




OM509-LS **User Manual**

10-YEAR BATTERY **MICRO SMOKE ALARM**



Read the instruction manual before usage.



RoHS

0086-CPR-550646

EN14604: 2005 + AC1: 2008

CONTENTS

1. Alarm Specifications.....2	6. Mounting the Alarm5
2. General Information2	7. Alarm Operation9
3. Package Contents3	8. Maintenance13
4. Alarm Features3	9. Troubleshooting16
5. How to Power On4	

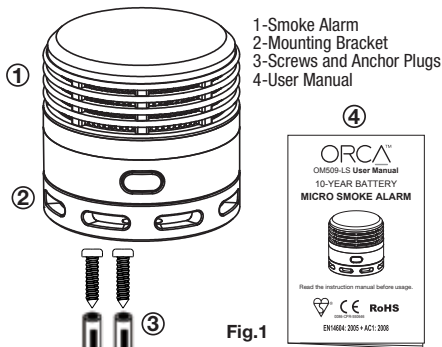
1. Alarm Specifications

Dimension:	Φ45x42 mm
Weight:	50g
Operational Temperature:	5°C-50°C
Working Voltage:	3V
Standby Current:	≤7uA
Humidity:	10%-90%
Service Environment:	Residential dwelling
Designed Life:	10 years (with normal use)

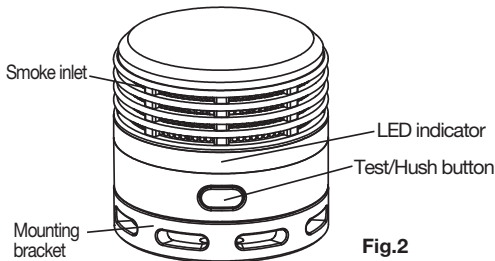
2. General Information

This smoke alarm uses the photoelectric principle. It's designed for detecting smoke particles in the air. If the smoke alarm is properly mounted and maintained, it will be activated at the very start of smoke buildup. The alarm is designed to detect smoke, it cannot prevent a fire. Please read the instruction manual carefully before you use this smoke alarm.

3. Package Contents

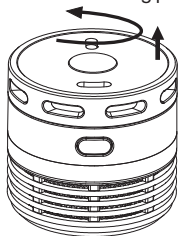


4. Alarm Features



5. How to Power On

Remove mounting plate



Magnet

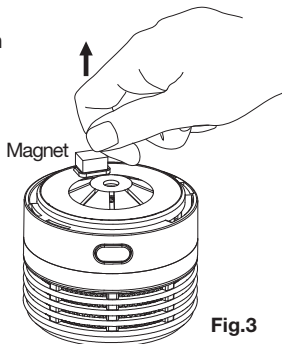


Fig.3

Unscrew the mounting plate, remove the small magnet, the power is automatically switched on (Fig.3). Note: Do not dispose of the small magnet - see page 8.

CAUTION: built-in Lithium battery cannot be replaced. Standby time is 10 years in normal use conditions.

The alarm is energised and working if the LED indicator is flashing and the alarm siren is activated by pressing the Test/Hush button.

Note: In the event of a product malfunction, to silence the alarm, put the small magnet back in place to switch into power off mode.

6. Mounting the Alarm

Smoke alarms should be situated in the following places:

- at least one in each room
- at least one on each floor level
- in the hallway, in the staircase (if the hallway is too long, there should be two or more smoke alarms mounted)
- in the living room
- in all bedrooms and sleeping areas
- in storage rooms or spaces with electrical equipment

The alarm should not be situated in the following places:

- a room in which the temperature can drop below 5°C or rise above 50°C
- in damp rooms such as the laundry or bathroom
- in front of doors or windows
- near a ventilator or radiator
- in an enclosed kitchen
- within 3m of cooking appliances or rangehoods
- within 30cm of standard light fittings or within 1.5m of fluorescent light fittings
- in areas likely to be infested with insects

1. Bedroom
2. Bedroom
3. Staircase
4. Bedroom
5. Livingroom
6. Kitchen
7. Entrance
8. Hobby area
9. Guest bathroom
10. Bathroom
11. Storage
12. Garage

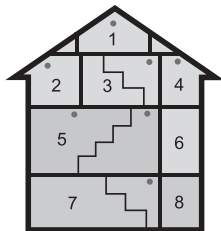


Fig.4

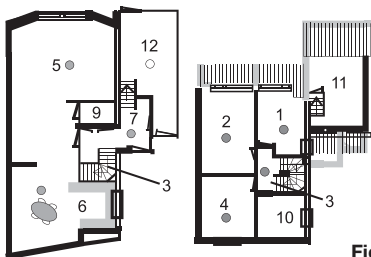
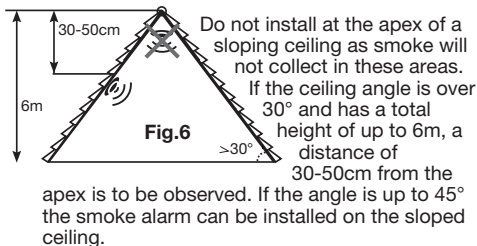
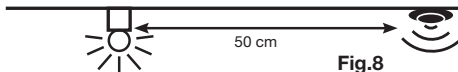


Fig.5

- Smoke alarm for minimal protection
- Smoke alarm for extra protection



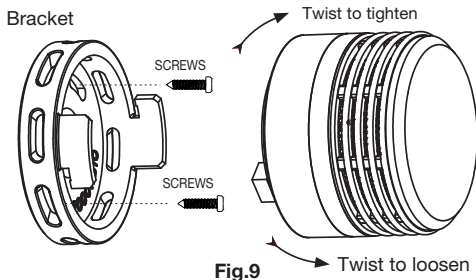
The install distance should be 61cm at least from the corner of the wall



Install at a distance of at least 50cm from fluorescent light sources.

To mount the smoke alarm, proceed as follows:

- Position mounting plate on the ceiling and mark screw positions with pencil. Pay attention to Fig.4 to Fig.8 for correct alarm locations.
- Drill holes at the marked positions with a 5mm drill.
- Insert the anchor plugs and gently tap with a hammer until flush with ceiling.
- Screw the mounting plate to the ceiling - do not overtighten.
- Remove the small magnet from the designated position and reposition elsewhere within the cavity for later use (see Fig.3).
- Gently screw the alarm onto the mounting bracket making sure the small magnet is retained inside.
- *Please Note: NEVER paint the smoke alarm.*



7. Alarm Operation

7.1 This alarm is designed to self-calibrate its photoelectric chamber to ensure long-term stability.

7.2 Standby Mode

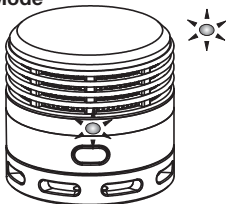
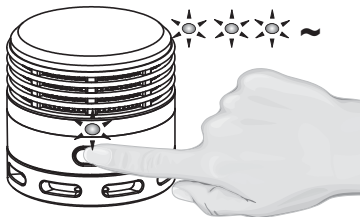


Fig.10

The alarm goes into Standby Mode once powered on, with the LED blinking every 5-6 minutes.

7.3 Test



Beep Beep Beep Beep ...

Fig.11

To check operation, the “Test/Hush” button should be depressed until the alarm siren sounds and the red strobe light flashes. When the “Test/Hush” button is released, the audible and visible alarm stops, and the alarm goes into Hush Mode. Repeat the above steps to exit Hush Mode.

7.4 Hush Mode

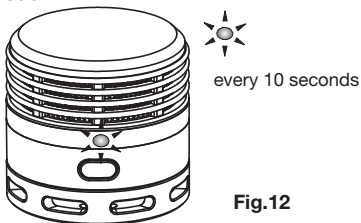


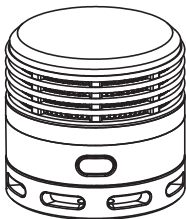
Fig.12

1. In Standby Mode, press the “Test/Hush” button to put the alarm into Hush Mode.
2. If the alarm is activating, press the “Test/Hush” button to put the alarm into Hush Mode.
3. The Hush Mode lasts for 9 minutes.
4. In the Hush Mode, hold the “Test/Hush” button until acoustic alarm signal sounds, the alarm will then exit the Hush Mode and return to Standby Mode.

Attention:

1. Whether the alarm is in Standby or Alarm Mode, if the "Test/Hush" button is depressed, the alarm enters Hush Mode. LED indicator light flashes once every 10 seconds. Hold the "Test/Hush" button until acoustic alarm signal sounds, the alarm then exits the Hush Mode.
2. If the Test/Hush button is depressed long enough to make the alarm emit sound, then the alarm won't enter into Hush Mode. The alarm will only enter into Hush Mode if the Test/Hush button is depressed and released quickly.
3. When the alarm is in Standby Mode or Hush Mode, please pay close attention to the LED flashing time interval. If the LED flashes once every 10 seconds, it's in Hush Mode, while if LED flashes once every 5-6 minutes, it's in Standby Mode.
4. In Hush Mode, the alarm will again activate if the smoke concentration in the air is more than 4 times that of the normal activation level.

7.5 Low Battery

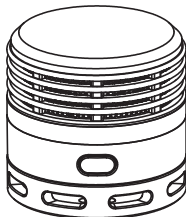


BEEP

Fig.13

When the alarm is in low-battery condition ($2.4v \pm 0.1v$), it sounds one “beep” every 43 seconds.

7.6 Malfunction or End-of-Life



BEEP

BEEP

BEEP

Fig.14

When the alarm malfunctions or has reached End-of-Life status, it sounds a regular “beep” every 43 seconds. Note: reposition the small magnet (see page 3) to power off the alarm before disposal.

Please replace the alarm if it malfunctions or reaches the end of its life.

8. Maintenance

- Test the alarm weekly.
- Detach the alarm monthly and clean with a vacuum cleaner brush attachment, particularly underneath the alarm and around the grill (see Fig.15)
- Do not paint the alarm.
- Do not locate the alarm in dusty, steamy or smoky areas of the dwelling.
- Both designed alarm 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.
- Smoke alarms have limitations. This smoke alarm is not foolproof and is not warranted to protect lives or property from fire. Smoke alarms are not a substitute for insurance. Homeowners and renters are responsible to insure their own lives and property. In addition, it is possible for the smoke alarm to fail at any time. For this reason, you must test the smoke alarm weekly and replace every 10 years.



Fig.15

- Smoke 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 smoke alarm may not alert a household member, install and maintain specialty smoke 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 smoke alarms with lights or vibrating alarms to alert occupants.

IMPORTANT

Newfield Group NZ warrants to the original purchaser each new smoke 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 SMOKE 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**



9. Troubleshooting Guide

PROBLEM	SOLUTION
Smoke alarm does not respond when Test button depressed.	Check that small magnet on back of alarm has been removed (see page 3 & 4).
Red LED flashes and the alarm sounds one beep every 43 seconds.	Battery is low - REPLACE ALARM IMMEDIATELY!
Smoke alarm sounds unwanted alarms intermittently or when you are cooking, taking a shower etc.	1. Some dust or a small insect has entered the alarm - see cleaning instructions on page 13. 2. Move smoke alarm to a new location. See Wrong Locations page 5.

360° Strobe Warning Light

Visible from any angle when alarm is activated

Photoelectric Sensor

Good at detecting both slow smouldering & fast flaming fires

Hush/Test Button

To quieten false alarms or check alarm functioning

Low Battery Warning

Indicates alarm end-of-life or alarm malfunction

Extra Loud Warning Tone

85db at 3 metres industry standard

Sealed Long Life Battery

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