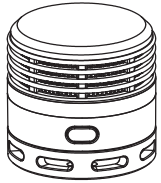




RM10 mini User Manual 10-YEAR BATTERY SMOKE ALARM



Read the instruction manual before usage.



EN14604: 2005 + AC1: 2008

1. General

This is a smoke alarm device using the photoelectric principle. It's designed for detecting smoke in the air, while not for sensing heat, gas or flame. If the smoke alarm is properly mounted and maintained, it will be activated at the very start. The smoke alarm is designed to detect smoke, it can not prevent a fire. Please read the instruction manual carefully before you use this smoke alarm.

The "device" hereinafter stands for "smoke alarm device".

2. Device & Spare parts

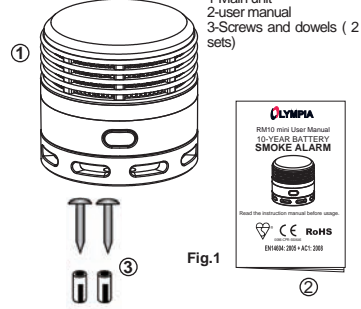


Fig.1

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3. General figure

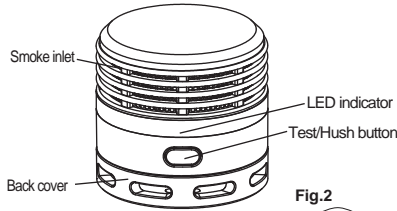


Fig.2

4. Power on

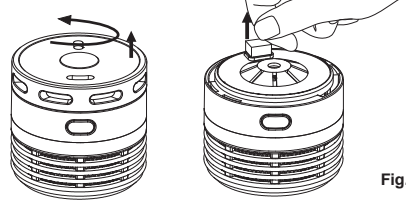


Fig.3

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Unscrew the bottom cover, remove the small magnet, the power is switched on(Fig3).

CAUTION: built-in Lithium battery of product can not be replaced. Standby time is 10 years at normal use condition.

The device is energized and working if it's with LED indicator flashing and continuous Beep alarm sound by pressing the Test/Hush button.

Note: If the product is energized, put the small magnet back in place to switch into power off. (If there is no LED lights flashing and successive "Beep" alarm signal given when long press the Test/Hush button, it indicates the device is power off.)

5. Device specifications:

Dimension: $\Phi 45 \times 42$ mm
Weight: 50g
Operate Temperature: $0^{\circ}\text{C} - 50^{\circ}\text{C}$
Working voltage: 3V
Standby current: $\leq 7\mu\text{A}$
Humidity: 10%-90%
Service environment: house supply
Designed life: 10 year

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6. Mounting

The smoke alarm should be mounted in the following places:

- at least one in each room
- one on each floor, if the floor is too long, there shall be mounted two or more smoke alarms
- in the hallway, in the staircase
- in the living room
- in each bedroom
- in the storage room or spaces with electric equipment

The alarm may not be mounted in the following places:

- a room in which the temperature can drop below 0°C or rise above 50°C
- in damp rooms
- in front of doors or windows
- near a ventilator or radiator.

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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

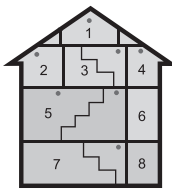


Fig.4

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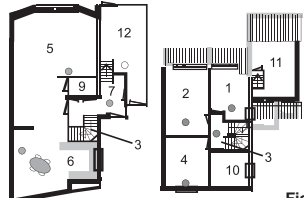


Fig.5

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

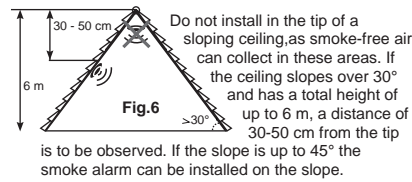


Fig.6

Do not install in the tip of a sloping ceiling, as smoke-free air can collect in these areas. If the ceiling slopes over 30° and has a total height of up to 6 m, a distance of 30-50 cm from the tip is to be observed. If the slope is up to 45° the smoke alarm can be installed on the slope.

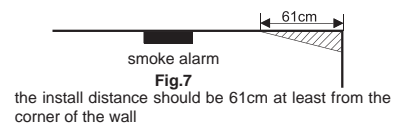


Fig.7

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

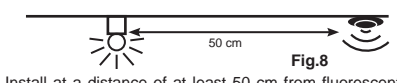


Fig.8

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

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To mount the smoke alarm, proceed as follows:

- Use the screws to fix the base plate in the place chosen. Pay attention to the figure above(Fig.4-Fig.8).
- Gently tighten the alarm onto the base plate.
- Mount the alarm in the centre of the ceiling of the room.
- Do not mount the alarm in a place which is difficult to reach.
- The smoke alarm may not be painted.

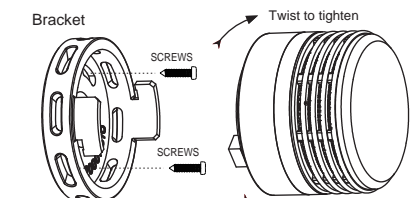


Fig.9

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7. Functionality

7.1 This device is capable of self-regulating to long term drift of photoelectric chamber to ensure long-time stability of device

7.2 Standby mode

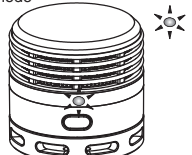


Fig.10

The device goes to standby mode once powered on, with once LED blinking every 344 second

7.3 Test



Fig.11

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The "Test/Hush" button is long pressed till the device gives audible alarm continuously "beep" and visible alarm LED blinking when the test is going on. When the "Test/Hush" button is released, the audible and visible alarm stops, meanwhile the device goes to hush mode. Repeat the above steps to exit Hush mode.

7.4 Hush mode

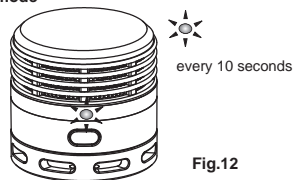


Fig.12

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1. In the standby mode, press the "Test/Hush" button, the device enters hush mode.
2. In the state of alarm, press the "Test/Hush" button, the device enters hush mode.
3. The whole process of the hush mode lasts for 9 minutes.
4. In the hush mode, hold the "Test/Hush" button until

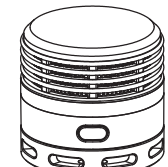
acoustic alarm signal is emitted, the device exits the hush mode and returns to standby mode.

Attention:

1. No matter mode of standby or alarm, press the "Test/Hush" button, the device enters hush mode. LED indicator light flashes once every 10 seconds. Hold the "Test/Hush" button until acoustic alarm signal is emitted, the device exits the hush mode.
2. If long press the Test/Hush button to make the device emit alarm sound signal, then the device won't enter into hush mode. The device will enter into hush mode only if press the Test/Hush button shortly.
3. When the device is in standby mode or hush mode, please pay close attention to the LED flashing time interval, if LED flashing once every 10 seconds, it's in hush mode, while if LED flashing once every 344 seconds, it's in standby mode.
4. On hush mode, the device gives normal alarm when the smoke concentration in the ambience is more than 4 times of alarming value.

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7.5 Low battery

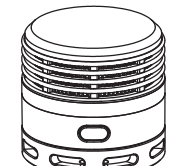


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Fig.13

When the device is on low-battery condition ($2.4\text{V} \pm 0.1\text{V}$), it sounds once "beep" every 43 seconds.

7.6 Malfunction or end-of-life



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Fig.14

When the device malfunctions or is to be end of life, it sounds continuously "beep" every 43 seconds.

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

8. Precautions for use

- Test weekly
- Do not paint
- Not use this device in dusty or smoky ambience.
- Both designed device lifetime and battery standby time (including test weekly) is 10 years. The battery service time decreases if frequent alarm or long time alarm.
- This device is not a device for fire rescue or fire prevention, but an alarm to warn escape or notify fireman when there is a fire accident with smoke arisen. Hence it's necessary to take precautions against fire, allocating like extinguisher, emergency ladders and fire blanket.
- The user with hearing disorder can't make aware of audible alarm when this device is used, so we recommend this kind of users wireless or wired interconnected smoke alarm with flash light indication.
- WE can never be made liable for loss and / or

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damage of whatever nature, including incidental and / or didn't use it according to the instruction and/ or consequential loss, arising from the fact that the signal from the smoke alarm did not sound during smoke or fire.

IMPORTANT

When the device is alarming or on standby, pressing the "Test/Hush" button once, it goes to hush mode; pressing the "Test/Hush" button once again, it exits hush mode.

Placing a smoke alarm is a part of your fire protection, just as fire extinguishers, emergency ladders, ropes, but also your choice in the use of building materials for renovation. Always ensure that there is an evacuation plan, discuss this with your children. Ensure that each room can be left without opening the door, e.g. by the window. 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 evacuated immediately.

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Guarantee

Dear Customer, we are pleased that you have chosen this equipment. In the case of a defect, please return the device together with the receipt and original packing material to the point of sale.



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