



Smoke Alarm

User's Manual



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1.Important Safeguards and Warnings

This manual will help you to use the Device properly. Read the manual carefully before using the Device, and keep it well for future reference.

Operation Requirements



WARNING

- Never ignore any alarm. Failure to respond may lead to serious injury or death.
- Constant exposure to high or low temperature or high humidity may reduce battery life.



CAUTION

- Make sure that the power supply of the device works properly before use.
- Use the device according to the operating environment.
- Only use the device within the rated power range.
- Transport, use and store the device under allowed humidity and temperature conditions.
- Prevent liquids from splashing or dripping on the device. Make sure that there are no objects filled with liquid on top of the device to avoid liquids flowing into it.
- The smoke alarm is only designed for indicating the presence of smoke, but it cannot detect gas, heat or flames.

Installation Requirements



WARNING

Failure to properly install and operate this device will prevent proper operation of the Device and will prevent its response to fire hazards.



CAUTION

- Observe all safety procedures and wear required protective equipment provided for your use while working at heights.
- Do not expose the device to direct sunlight or heat sources.
- Keep the original packing material well because you might need it to pack the device and send it back for repair.
- Make sure the application scenario conforms to installation requirements. Contact your local retailer or customer service center if there is any problem.
- All installation and operations shall conform to your local electrical safety requirements, fire protection regulations, and other relevant regulations.

Maintenance Requirements

- Do not clean the device with any cleaning products.

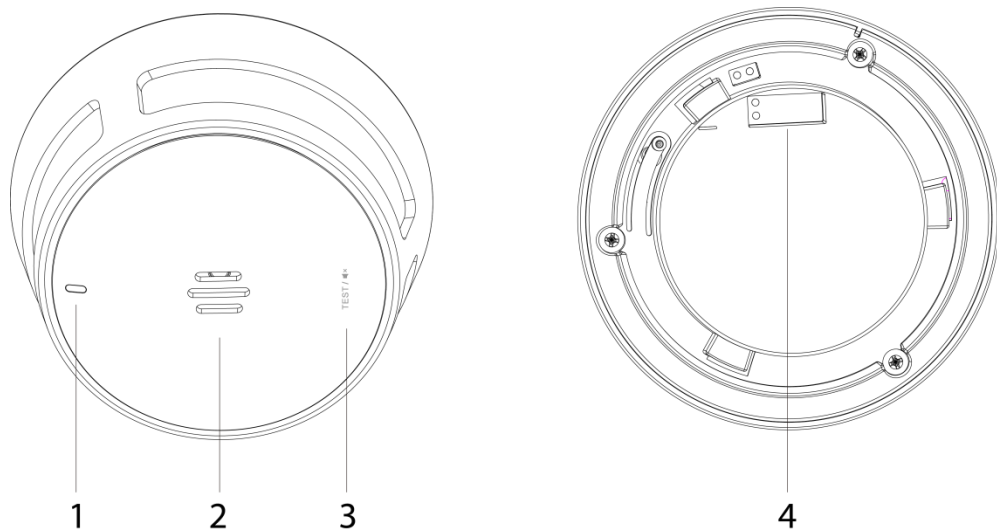
- Do not paint the device. Paint will seal the vents and interfere with the sensor's ability to detect smoke.

2.Introduction

2.1 Product information

Smoke Alarm (hereinafter referred to as the device) is designed to continuously monitor smoke concentration. Adopting advanced split-spectrum photoelectric chamber and a built-in high-volume buzzer, it responds quickly and becomes highly sensitive with stable performance and low false alarm. Once the surrounding smoke concentration reaches the alarm value, it will promptly send out visual and audible alarm signal to remind the user to take immediate measures. This product is designed for household or similar residential application such as family home or apartment.

2.2 Product profile



No.	Name	Introduction
1	Indicator	- Standby: Green indicator flashes once per minute - Alarm: Red indicator flashes once per second - Fault: Red indicator flashes twice per minute
2	Buzzer	Alarm Sound: 85dB (A) at 3 m (9.84 ft)
3	TEST / 	- Verify the normal working - Stop the alarm sound
4	Battery Compartment	Built-in battery, not replaceable by user

3. Technical Information

Specification	Introduction
Sensor Type	Photoelectric
Power Source	3V CR123A lithium battery (non-replaceable)
Battery Life	10 years
Alarm Method	Visual and audible alarm
Pre-Set Alarm Value	0.2dB/m-0.3dB/m
Operating Current	- Monitoring current: $\leq 15\mu\text{A}$ (avg) - Alarm current: $\leq 35\text{mA}$ (avg)
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Operating Humidity	$\leq 95\%$ RH (non condensing)
Detecting Area	When the height of the space is less than 8 m (26.25 ft), the protection area of a device is 20 m ² –40 m ²
Dimensions	Φ81.5mm × H51.6mm (φ3.21" × H2.03")
Weight (with battery)	110 g (0.24 lb)
Certification	EN 14604:2005+AC: 2008

4. Device Installation

4.1 Packing List

Check the package according to the following checklist. If you find device damage or any loss, contact the after-sales service.

Table 4-1 Checklist

Name	Quantity
Smoke Alarm	1
Self-tapping Screw	2
Expansion Bolt	2
Mounting Plate	1
User's Manual	1

4.2 Installation Position



CAUTION

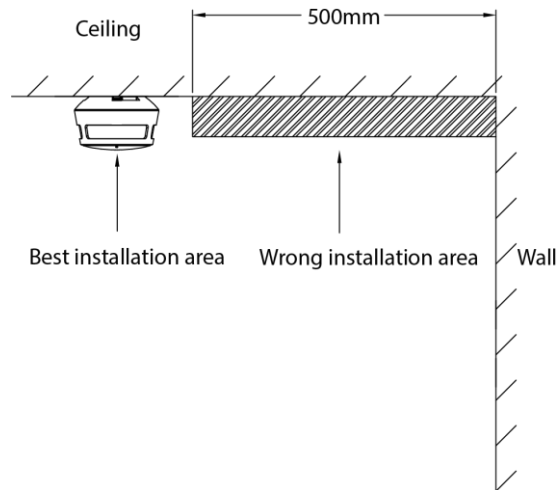
This device is intended for use in ordinary indoor locations of family living units. Construction and layout of individual dwellings will vary, so this should be regarded as a reference only. For further guidance, please check with your local fire station.

Figure 4-1 Overall layout



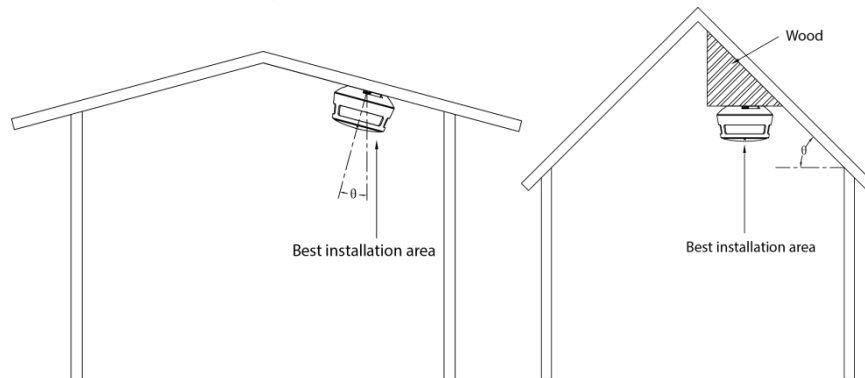
- Installed on the ceiling.
If the device is installed on the ceiling, install at a distance of 20 inches (500 mm) away from the corners of the room.

Figure 4-2 Installation position (1)



- Installed on the sloping roof.
When the slope is less than 45°, the appropriate distance is 20 inches (500 mm). When the slope is more than 45°, a wood should be installed.

Figure 4-3 Installation position (2)

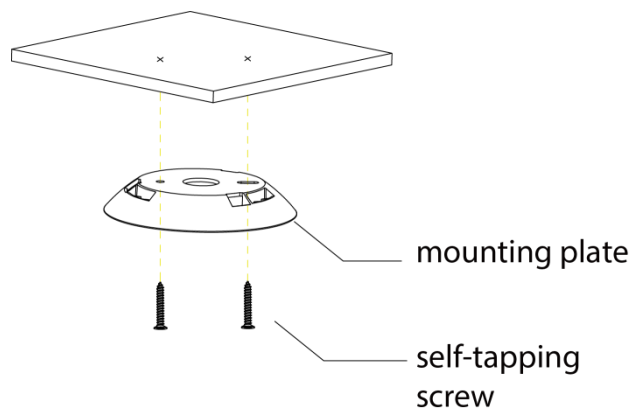


4.3 Installation Steps

Follow below steps to install the device properly.

- Step 1** Choose suitable place to install your smoke alarm.
- Step 2** Drill holes (Φ6 mm [0.24"]) on the wall, and then align the screw holes on the wall with the expansion bolts.
- Step 3** Fix the mounting plate with self-tapping screws.

Figure 4-4 Installation step (1)



Step 4 Install the Device.

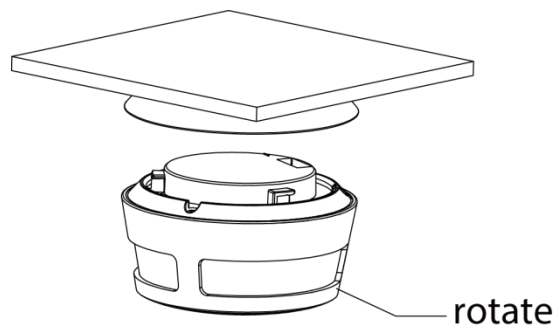
Rotate the device according to the corresponding position and direction as shown in the figure.



WARNING

The device will automatically power up after rotating. Please lock the alarm firmly to activate the device.

Figure 4-5 Installation step (2)



5. Test and Maintenance

5.1 Test

After the installation of the device or regular maintenance, a test must be carried out to confirm that the Device is operating properly.

During the testing process, the defective device should be addressed according to "FAQ" and "Maintenance", and then tested again. If it fails to complete the test successfully, please send the device to the manufacturer for repair.

Device self-test

Press **TEST / 🔔**, the red LED indicator will flash once with a short beep. Then the buzzer will beep 3 times continuously together with the red LED indicator flashing 3 times for two cycles.

Silence/Pause the alarm

When the smoke concentration reaches a predetermined threshold, the indicator light flashes, and the buzzer beeps (85dB). If a false alarm is triggered, you can silence it by pressing **TEST / 🔔** on the device to stop the alarm sound.



CAUTION

You can silence this device with an infrared remote controller by pressing the button on it and the device will pause the alarm. The alarm will automatically exit silence mode after 9 minutes.

Low voltage

When the battery voltage is lower than a certain threshold, indicator flashes and the buzzer beeps every minute until the battery is depleted. Please replace the device immediately or contact technical support for advice.

5.2 Maintenance

To keep your device in good working condition, please follow these requirements.

- Simulate fire alarm test: Test the device once a week.
Under normal working conditions, press **TEST / 🔔** to ensure that the device can work normally. If there is a malfunction, please repair it in time. After cleaning, please install the device and test again.
- Clean the shell: Clean the device at least once per year (recommended).

Keep the device free of dust or inserts by gently vacuuming the shell with a soft brush attachment when required. Avoid cleaning solutions on the device to prevent the possibility of contaminating the sensor.

- Do not paint the device. Paint will seal the vents and interfere with the sensor's ability to work normally.

6.Frequently Asked Questions

Problem	Solutions
Your smoke alarm does not sound during testing	● If testing immediately after first activating the alarm, you should allow a few seconds for the alarm to settle before testing. ● Make sure you press TEST / 🔔 firmly.
Your smoke alarm chirps intermittently	● Check the location of your smoke alarm (see "Installation Position"). ● Clean the smoke alarm (see "Test and Maintenance").
The LED indicator flashes red and the alarm sounds one beep every 60 seconds	● The device is under low battery condition, please replace the device immediately. ● Please contact technical support for advice.

7. Disposal



Waste electrical products should not be disposed of your other household waste. Please dispose in an environmentally friendly manner, and strictly follow the local regulations regarding the disposal or recycling of the electrical device.



WARNING

Do not burn or dispose of in fire.

8. Warranty and Contact

If you need after-sales service, please contact your local dealer or retailer.

Western EU Importer: Dahua Europe B.V.

Address: Houtsingel 19, 2719EA Zoetermeer, The Netherlands

Email address for service purposes: support@wisualarm.com

CEE & Nordic Importer: Dahua Technology Poland Sp. z o.o.

Address: ul. Salsy 2, 02-823 Warszawa

Email address for service purposes: support@wisualarm.com

UK Importer: Dahua Technology UK Ltd.

Address: 3rd Floor, Quantum House, 60 Norden Road, Maidenhead, SL6 4AY

Email address for service purposes: support@wisualarm.com

Germany Importer: Dahua Technology GmbH

Address: Niederkasseler Lohweg 185, 40547 Düsseldorf

Email address for service purpose: support@wisualarm.com

9.Documents

The batteries contained in the product, if any, have been tested in compliance with Regulation (EU) 2023/1542.

The full text of the EU declarations of conformity and EU declarations of performance is available at the following internet address: <https://www.wisualarm.com/en/ServiceSupport/DownloadCenter>

For more information, please scan the QR code below or visit <https://www.wisualarm.com/en/Products/ALL>.

