User Manual

Photoelectric Smoke Alarm

GT10

1. Important Safeguards and Warnings

The manual will help you to use the device properly.
Read the manual carefully before using the device, and retain it for future reference.

Operation Requirements

⚠ **WARNING**
Never ignore any alarm. Failure to respond may lead to serious injury or death.

⚠ **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 designed to detect and indicate 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.
• Make sure the application scenario conforms to installation requirements. Contact your local retailer or customer service centre if there is any problem.
• All installation and operations shall conform to your local electrical safety requirements, fire protection regulations, and other relevant regulations.
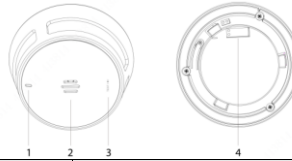
Maintenance Requirements

• 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

The smoke alarm (hereinafter referred to as the device) is designed to continuously monitor smoke concentration. Using an advanced split-spectrum photoelectric chamber and a built-in high-volume buzzer, it is sensitive, responds quickly and offers stable performance with few false alarms. Once the surrounding smoke concentration reaches the alarm value, it will promptly send out visual and audible alarm signals to warn the user to take immediate action. This product is designed for residential applications such as family homes, townhouses or apartments, for locations such as living rooms, studies, bedrooms and corridors/hallways.

2.2 Product Profile

No	Name	Introduction
1	Buzzer	Alarm Sound: 85 d8 (A) at 3 m (9.84 ft) ISO 7731
2	LED Indicator	• Standby: Green LED flashes once per minute • Alarm: Red LED flashes once per second • Fault: Red LED flashes once per minute
3	TEST / ◀× Test/Silence Button	• Verify normal operation • Stop the alarm sound
4	Battery Compartment	Built-in battery

3. Technical Information

Specification	Introduction
Sensor Type	Photoelectric
Supply Voltage	3 V DC
Battery life	10 years
Alarm Method	Visual and audible alarm
Operating Current	• Monitoring current: ≤ 15 µA • Alarm current: ≤ 35 mA
Operating Temperature	-10 °C to +55 °C (+ 14 °F to + 131 °F)
Operating Humidity	< 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 m²-40 m²
Dimensions	< Ø98 mm x H 43.l mm (Ø3.85" x H1.70")
Weight (with battery)	136 q (0.30 lb)
Certification	AS 3786:2014 + A1:2015 + A2:2018, RCM, ActivFire®

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4. Device Installation
4.1 Packing List

Check the package according to the following checklist. If you find device damage or anything missing, please contact the supplier. service.
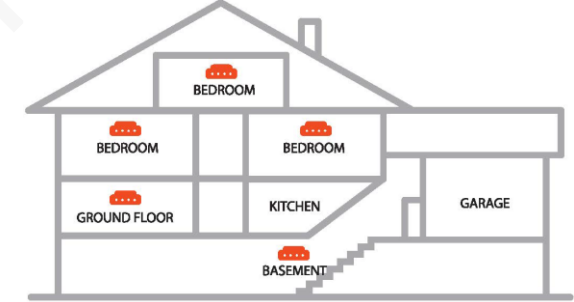
Name	Quantity
Smoke Alarm	1
Self-tapping screw	2
Expansion Bolt	2
Mounting Plate	1
User's Manual	1

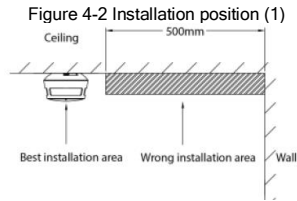### 4.2 Installation Position

⚠ 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

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- Installed on the ceiling.
If the device is installed on the ceiling, install at a distance of 300 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 500 mm (20 inches).
When the slope is more than 45°, a suitable wooden mounting block should be installed.

Figure4-3 Installation position (2)

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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 (<D6 mm [0.24"]) on the ceiling, and then align the screw holes on the ceiling with the expansion bolts.
Step 3 Fix the mounting plate with self-tapping screws.
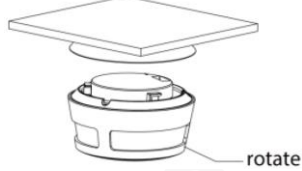
Figure 4-4 Installation step (1)

Step 4 Install the Device.
1) Remove the battery insulating film from the battery compartment.
2) 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)

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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. If any device defects are detected during the testing process, please refer to the "Frequently Asked Questions" and "Maintenance" section and retest the device. If it fails to complete the test successfully, please send the device to the manufacturer for repair.

Device self-test
Press the **Test/Silence** button, the indicator light flashes quickly and the buzzer beeps.
Silence/Pause the alarm
When the smoke concentration reaches a predetermined threshold, the indicator light flashes, and the buzzer beeps (85 dB). If a false alarm is triggered, you can silence it by pressing the **Test/Silence** button on the device to stop the alarm sound.

⚠️**CAUTION**
You can silence this device with an infrared remote controller by pressing any button on it and the device will pause the alarm. The alarm will automatically exit silence mode after 12 minutes.

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

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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 the **Test/Silence** button 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 detect smoke.

6. Frequently Asked Questions

Problem	Solution
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 push the test button firmly.
Your smoke alarm chirps intermittently	- Check to 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.

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8. Warranty and Contact
If you need after-sales service, please contact your place of purchase, or scan the QR code below.

Australian Importer: Smoke Alarms Australasia Pty Ltd
Address: Po Box 545 Bulimba Qld 4171

1308-CPR-NC E9296046 0002
CE-HX3022080001
EN 14604:2006
EN 14604:2005/AC:2008

For more information, please scan the QR code or visit
https://www.gtsmokealarms.com.au

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