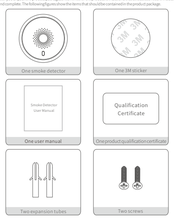
Wireless Smoke Detector

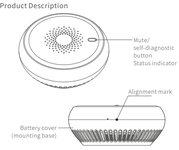
Independent Photoelectric Smoke Detector User Manual

Packing List

After you unpack the product package, check whether the product is intact and that all accessories are included and complete. The following figure shows the items that should be contained in the product package.



Product Description

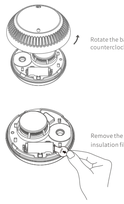


Indicator and Buzzer States

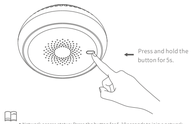
The status indicator blinks red and indicator flashes once every 48 seconds.	The buzzer beeps.	The product generates an alarm.
The status indicator blinks yellow once every 48 seconds.	The buzzer beeps.	The product is working properly.
The status indicator blinks.	The buzzer beeps 4 times.	The product has low power.
The status indicator rapidly blinks green.	The buzzer beeps 4 times.	The product is in network configuration mode.
	The buzzer does not make a sound.	The product is in network configuration mode.

Entering the Network Configuration Mode

1. Power on the product.



2. Press and hold the button for 5s to restore the product to factory settings.
The status indicator will rapidly blink green, and the product will automatically enter the network configuration mode once the factory settings have been restored.

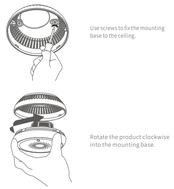


- Network access status: Press the button for 5 -10 seconds to join a network. After pressed, the red indicator is steady on, after 5 seconds release the button, the green indicator flashes rapidly to start distribution of the network. If the network access is successful, the green LED remains on for 5 seconds, the green light is always on, and the alarm enters the normal monitoring state.
- If the product fails to enter the network configuration mode within 60s, the status indicator will be steady yellow for 5s and then off.

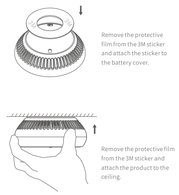
Installation Instructions

1. Installation methods

(1) Using screws

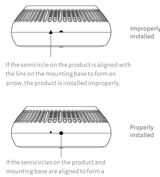


(2) Using a 3M sticker



(3) Verifying installation

Verify that the product is installed properly.



2. Precautions

(1) Mount the product only on indoor ceilings.
(2) Install the product at least 50 cm away from lighting products.
(3) Do not install the product in bathrooms or other moist environments.
(4) Do not install the product in places with non-fire smoke or steam.
(5) Ensure that the temperature of the installation environment is within the range of –10°C to +55°C.
(6) If a cupboard is near the ceiling, install the product at least 60 cm away from the cupboard.
(7) Install the product at least 150 cm away from ventilators, air conditioners, and air vents.
(8) You are advised to use screws to install the product. If you use a 3M sticker to install it, any product damage or safety accidents incurred therefrom will be your responsibility.
(9) If you choose to use a 3M sticker, affix the product to a smooth, even, dry, and clean surface.
(10) Regularly check whether the product is attached to the surface securely to prevent it from falling down.
(11) The product cannot be mounted to the mounting base unless the battery is installed.
(12) If you affix the product to a painted surface, peeling of the paint may cause the product to fall down. If this occurs, you are liable for any problems incurred therefrom.

Fire Alarm Function

1. When the product detects smoke, it immediately sends audible and visual alarm signals.

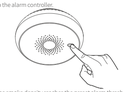
2. In case of fire, take proper measures immediately. For example, call the fire emergency number, or use a fire extinguisher to put out the fire.

3. If there is no fire, press the mute/self-diagnostic button to mute the product.
★ The product will be mute for 90s. During this period, the product will not generate any audible or visual alarm. After 90s, the product will be restored to the detection state.

4. The product will generate a fire alarm when the following items contact it directly:
(1) Mist sprayed from pesticides or cosmetics
(2) Smoke generated by cigarettes and incense sticks
(3) Smoke-type or thermal evaporation-type pesticides
(4) Cooking smoke or steam
(5) Condensation

Alarm and Test

1. Detection state: The status indicator blinks red at 50s intervals.
2. Self-diagnostic state: When you press the mute/self-diagnostic button, the status indicator will turn red. If you press and hold the mute/self-diagnostic button for less than 5s, the product will enter the self-diagnostic state, the status indicator will blink red, and the buzzer will generate a sound (same as that in alarm state).
3. The product sends a heartbeat message every 4 hours to report its status to the alarm controller.



(1) When the smoke density reaches the preset alarm threshold, the product generates an alarm.
(2) Test the product at least once every week.
(3) During a test, keep away from the speaker because the loud alarm sound may damage your hearing.

(4) If the product generate an alarm when it is monitoring, potential risks may exist. Do not ignore the alarm and try to locate the cause.

IMPORTANT

Ignoring the alarm could result in property damage, personal injury, or even death. If the product fails a test, see "Troubleshooting" to rectify the fault. If the fault persists, replace the product immediately.

Mute Function

⚠ If the product generates an alarm, potential risks may exist. Before you mute the product, ensure that there is no fire. Do not block the product or disable it in any way. If you do so, the product can no longer provide you with protection.
If the product generates an alarm because it detects smoke in the kitchen but not a fire (for example, bacon frying), press the mute/self-diagnostic button on the panel to mute the product.
When the product is muted, the status indicator will rapidly blink red.
The product sensitivity will be restored automatically within 90s.

Note: If the smoke density surrounding the product is still high, the product will generate an alarm again. Open the door and window to let out the smoke.

⚠ If you do not know the cause for the alarm, try to locate the source of the smoke, as ignoring the alarm could result in property damage, personal injury, or even death.

Routine Maintenance

The product has a maintenance-free design. You only need to perform the following routine operations to ensure that the product works properly.

1. Test the product at least once every week. For details on how to test the product, see "Alarm and Test".
2. Keep the product clean and remove dust from it with a vacuum cleaner and soft brush at least once every year.

⚠ Use a cotton cloth or sponge to clean the product. Do not use solvents or detergents, which may enter the product and cause damage to the sensor or circuit.
Note: Do not paint your product. The paint may block smoke intake vents of the product, causing the product to malfunction.

Troubleshooting

If the product malfunctions, its battery may have reached its valid lifespan or the product may be affected by dust, smoke residue, or other dirt. If this is the case, refer to "Routine Maintenance" for instructions on cleaning the product. If the fault persists, perform the following operations:

1. If the product does not respond, check whether the product is correctly mounted to the mounting base.
2. If the product intermittently beeps (at about 40s intervals), the battery level is low. Replace the battery within one week.
3. If you often encounter non-fire alarm, please try to relocate your smoke alarm.
4. If the product generates alarms frequently when there is no fire or smoke, clean the product or reinstall the product in another position.

IMPORTANT

If the fault persists after you perform the preceding operations, contact the local vendor. Do not disassemble the product yourself, or the warranty service for the product will become invalid.

Technical Parameters

Wireless Technology	ZigBee
Transmission Frequency	2.4 GHz
Working Voltage	3 V
Undervoltage Alarm	Supported
Working Temperature	-10°C to +55°C
Detector Type	Independent smoke detector
Alarm Sound Pressure	≥ 80 dB (3 m in front of the smoke detector)
Installation Position	Ceiling
Battery Lifespan	More than one year (20 times per day)
Dimensions	Φ90 mm x 37 mm

Toxic or Hazardous Substances or Elements of this Product

Component Name	Toxic or Hazardous Substances or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyls (PBBs)	Polybrominated diphenyl ethers (PBDEs)
LED	O	O	O	O	O	O
PCB	×	O	O	O	O	O
Cover and other components	×	O	O	O	O	O

This table complies with SJ/T 11364.
O: indicates that the toxic or hazardous substance amount contained in all homogeneous materials of a component does not exceed that stipulated in GB/T 26572.
X: indicates that the toxic or hazardous substance amount contained in at least one of the homogeneous materials of a component exceeds that stipulated in GB/T 26572.

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Warranty Certificate

Warranty policy

1. If the product has quality problems within 15 days of the payment date, you can apply to replace the product with one of the same model.
2. If the product has quality problems within 12 months of the payment date, you can apply to have the product repaired.

What is not covered under this warranty:

1. The product owner has no warranty certificate or the warranty service has expired.
2. Damage caused by improper use, maintenance, or storage
3. Damage caused by disassembly and repair without Tuya's authorization
4. Damage caused by force majeure
5. Normal discoloration and wear after the product has been used

User Form

User information (Specify real information. Tuya promises to use the information only for after-sales services.)

Name _____
Phone number _____
Email _____
Zip code _____
Address _____
Product information
Name _____ Model _____
Color _____ Product SN _____
Service ○ Return ○ Replace ○ Repair
Fault symptoms _____
Handling date _____
Maintenance personnel signature _____

Vendor Form

User information (Specify real information. Tuya promises to use the information only for after-sales services.)

Name _____
Phone number _____
Email _____
Zip code _____
Address _____
Product information
Name _____ Model _____
Color _____ Product SN _____
Service ○ Return ○ Replace ○ Repair
Fault symptoms _____
Handling date _____
Maintenance personnel signature _____

Independent Photoelectric Smoke Detector

Read this manual before use.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

The device has been evaluated to meet general RF exposure requirement.
This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna(s) must not be co-located or conjunction with any other antenna or transmitter.