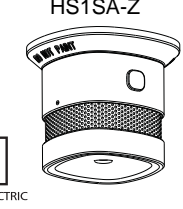


Smart Smoke Sensor
User Manual
HS1SA-Z

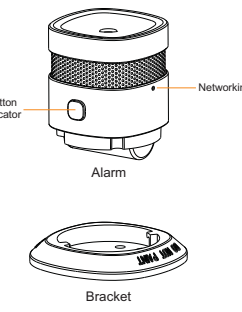


PHOTOLLECTRIC

*Please read the user's manual carefully before operation. The buttons in the manual are only for your reference, please in real product.

This product is a smart photoelectric smoke sensor, with ultra-low-power Z-Wave wireless network technology design. It is an warning alarm, cannot sense gas, heat, or flame, cannot prevent or put out fire. Real-time detecting the presence of smoke, detector of visible particles (considering fine laser than ionization smoke alarm). Red LED flashes rapidly and detectors sound alarm once detecting smoke fire danger, it can alert you and your family timely. Smoke alarm should be installed in all rooms, living room, storage areas, basements and elsewhere that fire may happen.

Product Details



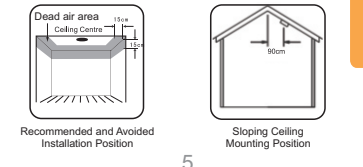
1. Working Voltage: DC3V(CR123A lithium battery)
2. Standby Current: $\leq 10\mu A$
3. Alarm Current: $\leq 80mA$
4. Networking: Z-Wave Ad-Hoc Networking
5. Sound Level: $\leq 85dB(A)$
6. Distance Of Networking: 370m (open area)
7. Working Temperature: -10°C ~ +50°C
8. Working Humidity: $\leq 95\% RH$
9. Dimension: 60×60×49.2mm

Installation

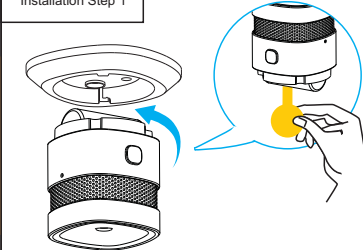
- The sensor is designed specifically for home use, may not able to provide sufficient fire alert for public areas.
- Please avoid installation in bathrooms and other very humid places, dusty or greasy areas, or very airy place with air conditioner, ceiling fans, etc.
- Please keep sensor clean, and do not let dust accumulated. It is recommended to be cleaned every 6 months with a household cleaner and a soft brush.
- The effective lifespan is 10 years. Replacement every 10 years, regardless of sensor's breakdown or not (battery lifespan 3 years).
- Please pay attention if it alarms. Besides proper use of sensor, we should also strengthen the consciousness of fire safety.

Flat ceiling mounting
The preferred location to install smoke sensor is in the center of the ceiling, because smoke, heat and combustible products rise to ceiling and will naturally spread itself at least 30cm distance from lights or decorations, and at least 15 cm away from walls and corners.

Staple ceiling mounting
If ceiling is sloping, please install the smoke sensor at horizontal distance 90cm away from the ceiling top.

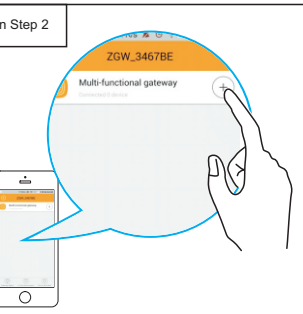


Installation Step 1



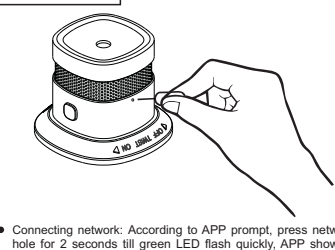
• Rotate the sensor anticlockwise to separate from bracket, then remove battery insulating strip to electrify the sensor.

Installation Step 2



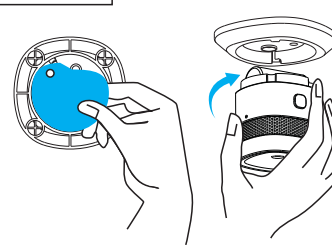
• Detector will enter the network mode by clicking "ON" in the APP.

Installation Step 3



- Connecting network: According to APP prompt, press networking key for 2 seconds till green LED flash quickly, APP shows step, green LED keep on for 3 seconds, networking succeed.
- Disconnecting network: Press the networking button for 5 seconds to disconnect the network, after the green light flashes slowly for 3 seconds, which indicates network is disconnected successfully.

Installation Step 4



- Attach the sensor to the mounting bracket, and turn clockwise to lock into place. Remove the membrane of double sided adhesive tape on the mounting bracket.

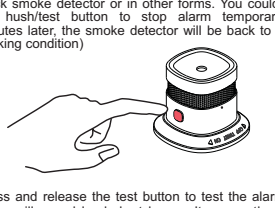
Return the Product

Status	Light	Alarm Sound
Normal	Red LED flashes every 63 seconds	NO
Testing	Red LED flashes quickly	Flashes twice
Alarm	Red LED flashes quickly	Flashes twice
Hush mode	Red LED flashes one time every 15 seconds	NO
Low Power	Red LED flashes one time every 10 seconds	NO (keep away 10m distance)
Fault	Red LED flashes ten times every 10 seconds	Flashes every 10 seconds

please refer to the following situations, if the sensor can not work normally:
1. Battery recheck service life (status refer to Form 1). Please replace the battery.
2. Fault affected by air with dust or oil, etc (status refer to Form 1). Please clean the alarm cordily.
3. Whether the alarm is properly rotated into the mounting bracket.

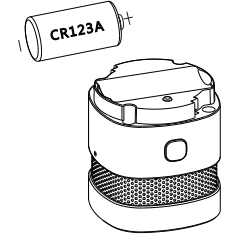
Hush Function

Please make sure there is no real fire danger when using hush function. If non-emergency smoke (or steam) detected, please alarm, please do not stop alarm by the hush/test button to stop alarm temporarily (ten minutes later the smoke detector will be back to normal working condition).



Press and release the test button to test the alarm. The alarm will sound loud short tones. It means the smoke detector can work normally. The alarm may stop sounding once releasing the test button. It is suggested to test the smoke alarm at least one time every week. Do not use an open flame to test this smoke alarm.

CR123A



- Please replace battery correctly according to the positive and negative electrode. Dispose of used battery in right way. Pay attention to environmental protection.

Statement

*Instruction is for reference only, please prevail in kind.
*Because of the updating of the technology, the final interpretation right owned by factory, if there are any inconformities when using this products under this instruction.

FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.