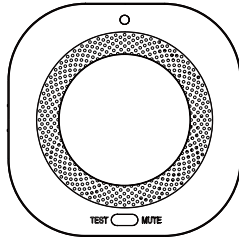


Smoke Alarm User Manual

Model Type: PG-S11



Please Read The Instructions
Carefully Before use

I.Product overview

photoelectric smoke fire detection alarm (hereinafter referred to as alarm) adopts special structure design of infrared photoelectric sensor, reliable MCU, and SMT patch processing process production, has the characteristics of high sensitivity, stable and reliable, small power consumption, beautiful and durable, easy to use and so on. This product is suitable for smoke detection and alarm in workshop,household, store, machine room, warehouse and other places.

The product is not suitable for use in the following places:

- Under normal circumstances, there are smoke stranded places.
- There are large dust, water mist, steam, oil mist pollution, corrosion of gas places.
- Places where the relative humidity is greater than 95%.
- Places with a ventilation speed greater than 5m / s.

II.operational principle

The alarm adopts the photoelectric sensor designed with special structure combined with the reliable MCU, which can effectively detect the smoke produced in the initial smoldering stage or after the generation of fire. When the smoke enters the alarm, light scattering, the light intensity, the light intensity and smoke concentration, the alarm to field parameters constantly collect, analysis and judgment, when the field data light intensity reaches the predetermined threshold, the alarm red LED light, and start the buzzer

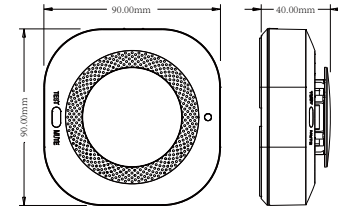
alarm, at the same time, it will send a wireless signal to the alarm host to notify the user to deal with the alarm immediately; when the smoke in the alarm working environment disappears, the alarm automatically returns to normal working state.

III.Technical parameter

Rated voltage: DC3V
Static current: <15 uA
Alarm current: <60 mA
Low-voltage threshold: 2.5V±0.1V
Sound pressure level: > 80dB (A) (3 m in front)
Smoke sensing indicator light: normal, alarm, underpressure, etc
indicator light: red indicator
RF Frequency: 433.92MHz/330K/1527(optional)
Installation hole distance: 60mm
Operating temperature: -10 °C ~ + 50 °C
Relative humidity: 95% RH (40 °C ± 2 °C)
Output form: Able and light alarm
Product weight: approximately 120g (with battery)
Overall dimensions: 90° 40mm (including mounting plate)

Note: The independent photoelectric smoke detector does not support RF433 function

IV.outline dimension



V Installation and debugging

Installation environment: For general locations, when the space height is below 6m, the protection area of the alarm is 20m². The alarm should be installed on the ceiling.

Installation method:

Drill two installation holes 60mm apart on the ceiling, and fix the base of the alarm with expansion plugs and self tapping screws (as shown in Figure 1).

Rotate the alarm counterclockwise, remove the base, and then place the battery into the battery compartment at the bottom of the alarm. Press the battery tightly in the direction of the battery buckle.

Attention: If the direction of the battery is reversed and the alarm is not working properly, it may damage the alarm.

Press and hold the test button, the alarm indicator light will light up and emit an alarm sound, indicating that the alarm is working properly. If it is not normal, check if the battery is installed correctly or if the voltage is too low (below 2.6V). After the alarm is tested, rotate it clockwise and fasten it in place.

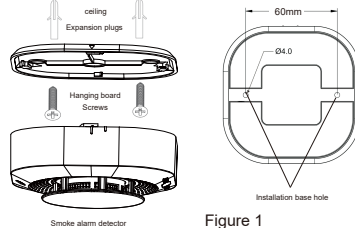


Figure 1

VI Instructions for use

- 1). Standby indication: The red LED indicator light flashes approximately once every 60 seconds, indicating that the alarm is in normal standby mode.
- 2). Smoke alarm: When the smoke alarm detects that the smoke particles generated by combustion have reached the alarm threshold, the alarm enters the alarm state, the buzzer emits a "beep beep" sound, and the red LED indicator light flashes. At the same time, it will send a wireless signal to the alarm host to notify the user to deal with the alarm immediately. When the alarm detects that the

smoke is below its alarm threshold, the alarm will exit the alarm state

- 3). Silencing function: In the alarm state, press the test button, and the alarm will enter the silencing state. In the silent state, the alarm sound stops and the red indicator light quickly flashes. After maintaining the silent state for about 50 seconds, the alarm will automatically exit the silent state. If there is still smoke present at this time, the alarm will activate again.

Reminder: The noise reduction function is a temporary measure taken when a customer needs to smoke or perform other operations that may trigger an alarm.

Warning: Always use the noise reduction function while ensuring safety

- 4). Low battery warning: The red LED indicator light flashes once for approximately 55 seconds, and at the same time, the buzzer emits a "beep" sound, indicating that the product's battery is low. When the battery is low, the detector will send a wireless signal to the alarm host to notify the user of the battery low battery, please replace it with a new one within 7 days.

- 5). Test mode: The alarm should be self-checked regularly. When the test button is pressed, the red indicator light flashes and an alarm sound is emitted; After releasing the button, the alarm will automatically return to normal working mode. The alarm will send out a wireless signal when testing the alarm, which is convenient for users to test the wireless function of the alarm.

VII Failure analysis and troubleshooting

- Call once every 55s: if the battery power is low, please replace the battery.
- Frequent false alarm: too much ash in the sensor, clean the maze (the outside black plastic part).

VIII. maintenance

- In the process of use, if there is a fault, please contact the supplier as soon as possible, do not remove and repair, so as to avoid accidents.
- If it is not used for a long time, the alarm must be removed and the battery, put into the box, and stored in a ventilated and dry place.

IX. Transportation and storage

- In the process of transportation and storage, the original packaging and seal of the manufacturer must be kept intact, and ensure the products from severe impact.
- The environmental temperature should avoid drastic changes.
- The packing and stacking height shall not exceed 6 layers, and the stacking height of a single piece shall not exceed 5 layers after unpacking.

X. Factory list

Inside the packaging box: 1
Tap screws: 2
Instructions for use: 1

Base: 1
Expansion plug: 2
Battery: 2

FCC caution :

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 minimum distance between 20cm the radiator your body : Use only the supplied antenna.

FCC ID:2A1T9-PG-S11