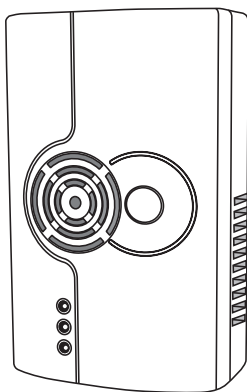

Specification of **Wireless Gas Sensor**



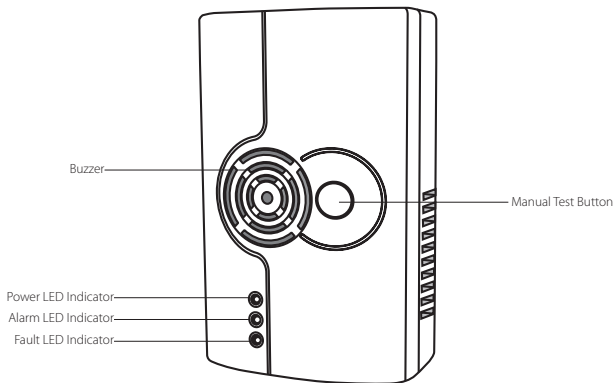
Features

The wireless gas sensor is an accessory of smart alarm system. With the highly stable semiconductor gas sensor which is stable and low drift of sensitivity, this product is applied in indoor area where combustible gas leak may happen. When the combustible gas leaking reaches the alarm threshold, it will trigger alarm with sound and red LED flashing.

Parameters

• Working Voltage	AC 220V
• Solenoid Valve Signal	DC12V 300ms
• Alarm Sound	≥ 75dB/m
• Alarm Threshold	6% LEL of Natural Gas
• Error Range	±3% LEL of Natural Gas
• Transmission Distance	Without obstacle 200m
• Transmission Frequency	433.92MHz
• Storage Temp.	-10 °C ~55 °C
• Working Temperature	-25 °C ~55 °C
• Humidity	10% ~95%RH (non-condensing)
• Weight	287.4g
• Dimension	110*70*40 mm

Appearance



Product Features

- Detect Natural Gas/ LPG
- High reliability semiconductor sensor
- Auto-reset after gas clears
- Manual test button
- High Capacity Relay (3A/250V)
- MCU processing
- Auto Check Malfunction
- Flash + Sound Alarm / LED Indicating alarm
- SMT Manufacture Technology, High Stability
- Comply to GB15322.2-2003

Installation

- Pair it with main panel before installing.
- Please classify the gas to be detected as heavier than air or lighter one. Heavier gases: LPG etc; Lighter gases: natural gas, marsh gas, etc.
- Install the sensor in a suitable position according to the specific gravity of gas. For detecting heavier gases, installation height: 0.3-1.0m from floor, within the radius of 1.5m from gas source. For detecting lighter gases, installation height: 0.3-1.0m from ceiling, within the radius of 1.5m from gas source.
- Fix the attached installing base on the wall firmly with screws and hang the sensor on it.
- When installing at home, keep the sensor away from gas cooker to avoid being roasted by flame. Do not install the sensor in places with heavy smoke and oil which may cause false alarms or block the gas convection holes of the sensor, which affects the sensor sensitivity. Do not install it near exhaust fans, windows, doors, or any places with heavy vapor in bathroom.

Operating Instructions

- After plug-in, the power LED would keep on green with a beep sound, then the sensor would turn into warming up state. After red and yellow LED flashing alternatively for 3 minutes, the LED goes out and the sensor turns into normal working state. Testing with gas is forbidden during warming up.
- When any combustible gas leak happens and reaches the given alarm threshold, the alarm LED flashes in red and the buzzer gives out "Di...Di..." alarm sound.
- If an inside sensor failure happens, the yellow LED would keep constantly on with the long beeps. Please switch off the power and contact your dealer for maintenance. DO NOT attempt to take apart the sensor or to repair it by yourself to prevent electrical shocks.

Testing

- a) The detector has a self-test button for checking if the LEDs and the buzzer work normally. Pressing the test button, the red and yellow LEDs would flash alternately with alarm sound.
- b) It is forbidden to test by using a lighter to jet its gas directly toward the gas convection hole. That will cause damage to the built-in sensor. Instead, gathering the gas from the lighter with an empty plastic bottle first and releasing the gathered gas toward the gas convection hole for testing is recommended.

Operating Instructions

1. Working principle

The sensor sends trigger signal to the paired main panel when the sensor detects combustible gas leak.

2. Pairing with main panel by App

① Scan the QR code printed on the sensor.

② The pairing result would be confirmed by SMS sent from main panel.

Alarm Treatments

When the concentration of natural gas or LPG reaches or exceeds the alarm level, the sensor will enter into the constant alarm state. Below treatments are advised:

- a) Shut off pipe valves immediately.
- b) Do not plug or unplug any electrical appliance.
- c) Open windows to circulate the air.
- d) Inspect the gas leaking reason and notify related departments in time to deal with the leak by professionals. If it turns out a false alarm, check if the installation position is improper.

Notes

1. The sensor is only for combustible gases detection. It could not be used for detecting such poisonous gases like CO, etc.
2. Slightly heating on the cover is normal at working time.
3. Do maintenance as per this manual periodically.
4. Please vacuum the dirt on the sensor surface every month.
5. Do not use any cleanser or solvent to clean the sensor. Chemicals may cause permanent damage or transient pollution to the sensor.
6. Do not spray air-fresher, hair gels, paints or other aerosols near the sensor.
7. To assure the detector sensitivity, the detector should be inspected by a profession every year. If it fails to work, repair or replace the detector as soon as possible.
8. The service life of the build-in semiconductor gas sensor is 5 years. Replace the sensor immediately when the service life expires.
9. By using it correctly, the sensor could reduce accidents happening, but there's no guarantee for 100% safety. For your safety, please use this sensor properly and be vigilant in daily life.