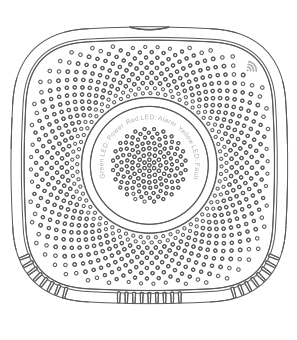


**Smart Combustible Gas Alarm User Manual**



\*Please read the user manual carefully before operation. The guide picture is for reference only, please in kind prevent.

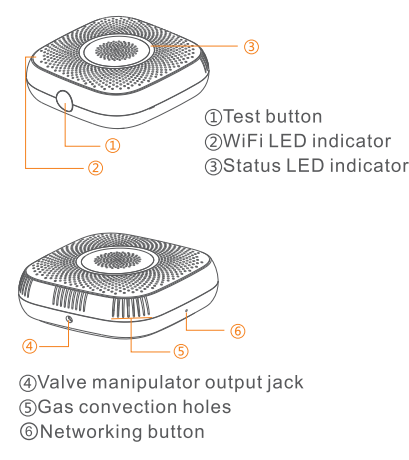
**Product Information**

The smart combustible gas alarm (called alarm for short hereinafter) is used to detect natural gas (CH<sub>4</sub>), the built-in semiconductor gas sensor has a long lifespan and tiny sensitivity drift, when the natural gas is detected and exceeds the alarm concentration, the alarm will send out sound and light alarm signal immediately. At the same time, the valve manipulator turns off the gas valve automatically. The real-time alarm will also sent to users' APP. The alarm is suitable for indoor use and should be installed at places where natural gas leakage may happen.

**Packing List**

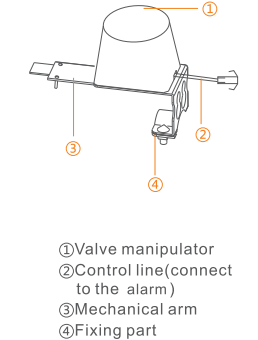
- Combustible gas alarm
- User manual
- Needle
- Valve manipulator (optional)
- Control line (optional)
- Mechanical arm (optional)

**Product Picture**



- ① Test button
- ② WiFi LED indicator
- ③ Status LED indicator
- ④ Valve manipulator output jack
- ⑤ Gas convection holes
- ⑥ Networking button

**Valve manipulator description**



- ① Valve manipulator
- ② Control line (connect to the alarm)
- ③ Mechanical arm
- ④ Fixing part

**Features**

- Highly stable gas sensor
- Self test by APP
- Voice prompt
- Report alarms to smart phone in real time
- APP controls valve manipulator
- Plug and play
- Once gas leakage is detected, manipulator turns off gas valve automatically

**Technical Data**

- Working voltage: AC100V - 240V
- Average power consumption: ≤3W
- Warm-up time: About 3 minutes
- Detected gas: Natural gas (CH<sub>4</sub>)
- Alarm sensitivity: 6%LEL (±3%LEL)
- Alarm: Red LED flashes + voice prompt
- Fault: Yellow LED flashes + voice prompt
- Sound level: ≥85dB (1m away)
- Alarm mode: Acoustic + optic alarm
- Auxiliary output: Valve manipulator output
- Valve manipulator jack output: 11-13V, 500mA
- Network: WiFi-2.4GHz

**Working temperature:** -10°C - +55°C (indoor use only)  
**Storage temperature:** -20°C - +60°C  
**Working humidity:** ≤95%RH (no condensation)  
**Installation:** Wall mounting, plug and play  
**Dimension:** LED: 66mm\*56mm\*43mm (plug not included)

**Tips for usage**

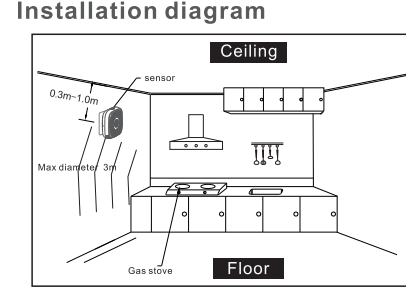
- The shell surface has a slight heat while working is normal.
- Please dismount the alarm when your house is under renovation.
- Avoid spraying aerosol around the alarm.
- The semiconductor supports five years lifespan, please replace it timely.
- Forbidden to use lighter to test the alarm in case of any damage to the alarm.
- After used for a period of time, if there is oil adhered on the gas convection holes, which affects the sensitivity of the alarm, it's suggested that the user takes the brush to clean the gas convection holes with detergent every three months. But don't let the detergent enter into the alarm body. After every cleaning, do a test to check if the alarm can work normally.

**7. The alarm is used to detect the natural gas, and can't be used to extinguish the fire.**  
**8. The alarm is used to detect the natural gas, and can't be used to detect CO and other harmful gases.**  
**9. In addition to proper usage of the alarm, the user also should be on alert and strengthen security awareness in daily life.**

**Tips for mounting:**

- As the natural gas is lighter than the air, please mount the alarm 0.3 - 1m below the ceiling vertically and 1.5m away from the natural gas source.
- Install a socket in a suitable position, and insert the alarm plug into the socket.
- The alarm should be mounted 1m away from the cooker to avoid too near to the cooler fire and only fume, which may cause false alarm or affect sensitivity of the sensor. It's also suggested that the sensor be not mounted near the exhaust fans, windows, doors or bathrooms where it's full of vapor.

**Installation diagram**



**Functions**

- Power on: green LED indicator on and voice prompt on.
- Alarm-up mode: green, red and yellow LED indicator flashes in turn.
- 3 minutes later, green LED indicator will keep on, and the voice prompt will issue: Starting finished, you can use it now.
- Warning: It's forbidden to do gas test during warm-up.
- When the natural gas exceeds the alarm concentration, the red LED indicator will flash (twice a second), and the voice prompt will issue "Attention, Gas is leaking". And the buzzer will keep too.
- When inner sensor fault is happening, yellow LED indicator will keep on and voice prompt will issue "Sensor failure, buzzer beeps". In this case, please power off the sensor and contact local distributor for repairing.


5. It's forbidden to disassemble privately, otherwise electric shock may be incurred.

**Product setting**

- Test button is used to test whether LED or buzzer can work normally. Press the button no more than 3 seconds, red, green and yellow LED indicator will flash in turn (once/second) and the voice prompt will issue "Self-testing now".
- Press the test button for more than 3 seconds, the valve manipulator will be on or off automatically. The alarm can tell the status of the valve manipulator.
- Please don't use lighter to test the alarm in case of any damage to the alarm. The user may store the gas of a lighter into an empty plastic bottle, then open the bottle mouth toward the gas convection holes to do the test.

**Quick setting:**

- Download App
- Scan the QR code below to download the Ezykam APP and register a user account.



2. Connect new devices

Power on the alarm, after warming up is finished, the green LED will keep on, then connect the mobile phone to WiFi (WiFi must be available). Open the Ezykam APP and login.

The alarm should be installed in areas within the WiFi signal coverage.

3. Add new devices

Click "+" on the APP to add a new device. Select "Smart Home" - Gas Detector (Wi-Fi).

Press and hold the networking button for 5 seconds, then input WiFi password according to the APP prompt, after that, tap "Confirm" to start connecting process, when the device is connected successfully, the WiFi LED will be off.

**Status of LED indicator and voice prompt**

Network connection status	LED indicator	Voice prompt
Disconnected to network	WiFi LED indicator flashes slowly (twice/second)	
Network connecting is in process	WiFi LED indicator flashes quickly (5 times/second)	WiFi is connecting
Network connecting is successful	WiFi LED indicator goes off	WiFi is connected now

**2. LED indicator for Sensor status**

Alarm status	LED indicator status	Voice prompt
Warm-up	Green, red and yellow LED indicator flashes in turn	Warning up, do not use gas to test
Warm-up finished	Green LED indicator keeps on	Starting finished, you can use it now
Gas alarm	Red LED indicator	Attention, gas is leaking

**3. Instruction for voice prompt**

Voice prompt	Alarm status
Warning up, do not use gas to test	The alarm commences to warm-up
Starting finished, you can use it now	Warm-up finished, the alarm enters standby mode
WiFi is connecting now	The alarm is configuring WiFi network
WiFi is connected now	The alarm has connected to the user's App

**Failed to connect WiFi**

Reasons	Remedies
The alarm can't connect to the user's App	Firmware is updating
Firmware is updating, please do not power off	Natural gas is detected
Attention: gas is leaking + buzzer beeps	Inner sensor fault
Sensor failure + buzzer beeps	The alarm is on testing now
Self-testing now	Natural gas valve is closed
Gas valve is closed	Natural gas valve is opened
Gas valve is opened	

**Fault analysis and remedy**

Symptoms	Reasons	Remedies
It's always on a warm-up status after power on (LED keeps flashing)	1. Power off for a long time	1. Power on for 24 hours and check if it's OK
Yellow LED indicator keeps on and buzzer beeps	2. Gas test has been done during warm-up	2. It's forbidden to do gas test before warm-up is finished
	Gas sensor fault	Contact local distributor

**How to deal with an alarm**

The alarm will keep sounding alarm while natural gas exceeds the alarm concentration, please follow the steps as below.

- Shut down all natural gas valves right away.
- Extinguish all fire sources, and avoid any actions that may incur fire or spark.
- It's forbidden to turn on any household electrical appliances.
- Open the windows to ventilate the room.