



Smart Wi-Fi Gas Detector

User Manual



Please read this manual carefully before use and keep it for future reference.

Introduction

This product is designed to detect explosive gases (natural gas and LPG) in the air for houses, offices, and similar places. In case of a gas leak, it triggers an alarm sound with a voice prompt, sends push notifications to your mobile, and drives the valve/manipulator to turn off the gas leak source.

It is also a fire alarm device with a built-in heat sensor designed to respond when the convected thermal energy of a fire increases the temperature.

You can monitor the gas level and temperature via a mobile application from anywhere in the world. An internet connection via a Wi-Fi 802.11 b/g/n (2.4GHz) network is required for operation.

The TFT color LCD screen displays date and time, gas level, temperature, and remaining sensor life.

Specifications

Power Supply: Type-C 5V/1A

Consumption: <200mA

Detecting Gas: Natural Gas (CH4), LPG

Working Environment Temperature: -10~55°C

Humidity: <95% RH (non-condensing)

Sample: Diffusion

Range: 0~100% LEL

Alarm Setting Value: 6% LEL

Tolerance: ±3% LEL

Response Time: ≤30 seconds

Heat Alarm Value: 57°C

Alarm Volume: ≥70dB

Alarm Mode: Indicator, sound, voice prompt, and APP notification push

Valve/Manipulator Output: 12V/300mA output for 15 seconds

Warm-up Time: 180 seconds

Sensor Life: 5 years

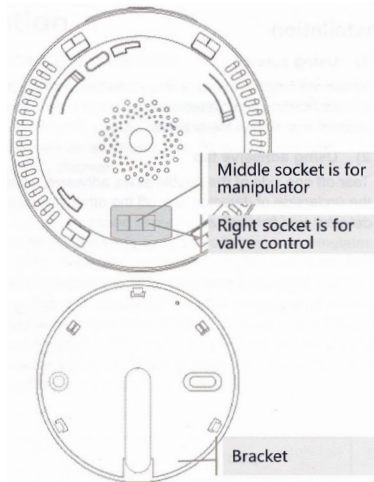
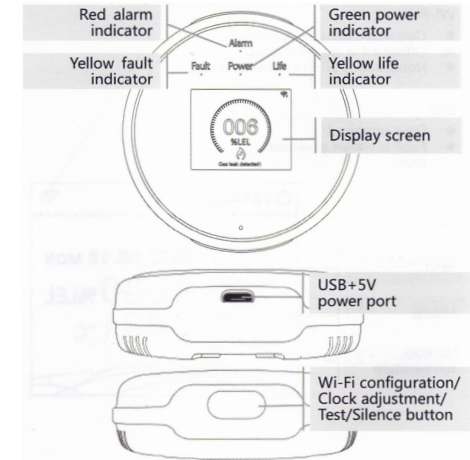
Wi-Fi: 2.4GHz IEEE 802.11 b/g/n

Dimensions: 86 × 86 × 24.5 mm

In the Box

- Gas leak detector ×1
- Power adapter ×1
- Mounting adhesive tape ×1
- Screws ×2
- User guide ×1

At a Glance



Indicators

Indicator	What You See	What It Means
Power	Green	Power is OK
Alarm	Blinking red	Gas leak or heat alarm
Fault	Blinking yellow	Sensor fault
Life	Blinking yellow	Sensor life is over

APP



Scan the QR code or search for "Smart Life" in Google Play/App Store to download the app. After installation, the app will guide you through registration and connecting the detector to the internet.

Add Your Detector

Smartlink (EZ) Mode

- Tap Add Device or "+", select Security & Sensors → Gas Detector (Wi-Fi).
- Choose your local Wi-Fi and enter the password (only 2.4GHz supported).
- Power off the detector. Press and hold the button, then power it on. Do not release until the screen shows "Smart Mode, Connecting".
- Tap Fast flashing, wait for configuration to finish, name the device, then tap Done.

Soft AP Mode

Use this if Smartlink mode fails.

- Power off the detector. Press and hold the button, then power it on until "Smart Mode, Connecting" appears.
- Press the button again until "AP Mode, Connecting" appears.
- In the app, select AP Mode, then tap Slow flashing.
- Tap Confirm > Go to Connect, then connect to Wi-Fi hotspot "Smartlife-XXXX".
- Return to the app and wait for configuration to finish.

Installation

Do Not Install the Detector

- Where temperature is below 0°C or above +55°C, or outdoors
- Near exhaust fans, chimneys, or strong odor areas
- Near ventilation openings where airflow may reduce gas concentration

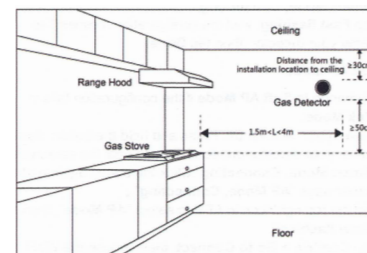
Location Guidelines

Natural gas (methane) is lighter than air and rises. Install the detector:

- 30 cm below the ceiling
- 1.5-4 meters away from the gas source

LPG is heavier than air and settles near the floor. Install the detector:

- 30 cm above the floor
- 1.5-4 meters away from the gas source



Installation Methods

Using Screws

Fix the bracket to the ceiling or wall using screws. Attach the detector to the bracket and rotate clockwise to secure.

Using Adhesive Tape

Stick double-sided adhesive tape to the detector, then attach it to a flat surface.

Usage

Warm-up

After powering on, the detector warms up for 180 seconds. The screen displays "Waiting" with a countdown sound.

Working

The screen alternates between the working window and clock panel every minute.

Wi-Fi icon

- Connected to network with dot.
- Offline if it is shown in gray.
- None means Wi-Fi module failure.

Life

- Days remained
- Fault is shown at sensor fault

Hour: 09, Minute: 03, Network Temperature: 31°C

1814 Days, 2020.06.16 MON, 0000%LEL

Gas Leak Alarm

When a gas leak is detected:

- The level ring is displayed
- Voice prompt: "There is a gas leak. Check now"



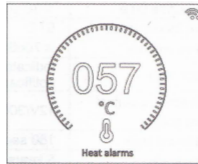
When gas reaches preset level:

- Alarm sounds
- Red indicator flashes
- Voice prompt: "Emergency. There is a gas leak. Don't use any electrical switches or naked flames. Get out and call for help now."
- Notification "Gas leak detected" is sent to your phone
- Valve/manipulator turns off gas supply

Heat Alarm

When temperature reaches preset level:

- Red indicator flashes
- Voice prompt: "Heat alarm. Check now"
- Notification is sent to your phone



Silence

Press the button or tap mute in the app to silence the alarm. Screen shows: "Alarm has been hushed".

Restore to Normal

The alarm resets automatically when the air is clear & the temperature falls below alarm threshold.

If Sensor is Fault

- Yellow indicator flashes
- Screen shows "Fault"

Testing

Press the button or use the app to test.

- Screen: "Ready for test"
- Voice: "This is a test..."

Device checks:

- Low gas leak
- High gas leak
- Heat alarm
- Valve control

After test:

- Screen: "Test finished. Please reset valve"
- Voice: "Everything is OK"

If failure:

- Voice: "The sensor failed. Check now"
- Notification sent to phone

Clock Adjustment

- Time updates automatically via Wi-Fi
- If not connected, adjust manually

Steps:

- Press and hold button to enter settings
- Values increase automatically
- Press to confirm each digit
- After setting, screen shows "Long click to save"
- Press and hold to save

If no action for 30 seconds, settings will not be saved.

Considerations & Warnings

- Alcohol vapor, sprays, smoke, cleaning agents, and strong odors may cause false alarms.
- This product reduces risk but cannot guarantee complete safety.
- Use the detector correctly and maintain safety awareness in daily life.

Contact Information



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