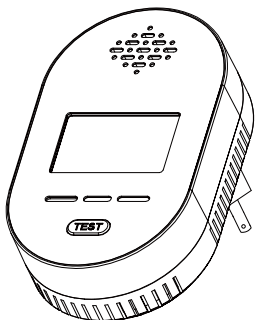


# Combustible Gas & CO Detector

## USER MANUAL



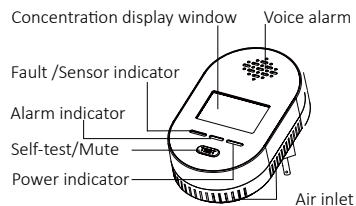
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### ◆ Technical Specifications

Product name: Combustible gas & CO detector  
 Operating voltage: AC 90~240V  
 Stand-by current: <15uA  
 Alarm current: <30uA  
 Gas (/LPG) measuring range: 0-1000ppm  
 Reponse time :in 3 minutes (≥3000ppm)  
 CO gas measuring range: 0-1000ppm  
 Alarm standard (UL 2034 standard):  
 ≥70±5 ppm, alarm within 60-240 minutes,  
 ≥150±5 ppm, alarm within 10-50 minutes:  
 ≥400±10 ppm, alarm within 4-15 minutes  
 Temperature measuring range: 32-212 ℉ (±1.8 ℉)  
 Relative humidity range: 0-99% RH (±3%)  
 Use environment:  
 Temperature: -10°C~55°C  
 Relative humidity: <95% RH (No condensation)  
 Alarm method: Sound and light alarm,  
 Accompanying LCD display  
 Alarm volume: >85dB (within 1 meter)  
 Sensor: Electrochemical sensors  
 Product Dimension: 105\*60\*60mm

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### ◆ Functions And Indicators



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### ◆ Installation Method (Recommended)

1. Usually the detector should be installed in the bedroom, living area, car and other places where people stay for a long time, it's recommended to install in the bedroom, corridor, basement, car and living area.
2. If the detector is installed on the wall: If natural gas is used in the environment, because density of natural gas is less than that of air, in order to detect the leakage of natural gas more quickly, it is recommended to install it on a socket higher from the ground on the wall.

If liquefied gas is used in the environment, and the density of liquefied gas is greater than that of air, in order to detect the leakage of liquefied gas more quickly, it is recommended to install it on a socket at a lower position on the wall from the ground.

### ◆ Product Test Method:

Carbon monoxide function test: collect a certain amount of cigarette burning smoke, blow it into the detector from the air inlet, and wait for carbon monoxide gas to fully contact with the internal sensor to have a chemical reaction. Observe the data changes on the LCD screen. When the detected gas concentration is higher than 400ppm, the alarm will respond within 4-15 minutes, and the buzzer will sound and the red light will flash to remind you.  
 Function test of combustible gas: lighter gas can be used to spray into the detector from the air inlet for about 3 seconds, and the combustible gas will react chemically with the internal sensor. Observe the data changes on the LCD screen. When the detected gas concentration is higher

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than 3000ppm, the alarm will respond within 3 minutes, and the buzzer will sound and the red light will flash to remind you.

### ◆ Use Instructions

1. Plug the power plug of the detector into the socket (AC 90 ~240V)  
 When the alarm is powered on, the alarm sounds and all the lights are on. The screen lights up and displays "8888" and all reserved icon contents. At this time the detector has no detection function. Preheat to the timing for 60 seconds, the green light flashes, the screen displays real-time reading seconds, and enters the hibernation detection state. After 60 seconds, the detector enters the normal monitoring state. The alarm displays 0 ppm and the current real-time temperature and humidity during normal detection.
2. Alarm  
 When the concentration value of carbon monoxide reaches above 400 ppm, or GAS (CH<sub>4</sub>/LPG) reaches above 3000 ppm .the

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alarm sound will sound ,the red indicator light will blink and the LCD displays the current concentration value of GAS or CO.

### 3. Button function (TEST/MUTE)

- 1) Press the "TEST" button, the LCD screen will display "0000ppm" first, the LED will flash and the buzzer will sound an alarm.
- 2) When the alarm detects an alarm, manually press the test button and the alarm will be muted. If the danger is not removed, the alarm sound will be reactivated within 6 minutes after silence.
4. Fault  
 When the alarm fails, the yellow light flashes, sound "di~" "di~" and the screen displays "Err" at the same time.
5. Peak record  
 Alarm value memory and record clearing function: After the alarm stop, press the test button for the first time to check the last alarm value (LCD display), and clear the alarm record.
6. Three-color indicator  
 Yellow light: Fault

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Red light: CO alarm  
 Green light: Power

### ◆ Detector Maintenance

1. During use, you only need to clean the detector housing frequently to ensure that the small holes in the front of the detector do not become clogged with dirt or dust.
2. To clean the detector housing, wipe it with a clean, soft-bristled brush or dry lint cloth; do not use detergents, bleach or whiteners!
3. Keep the detector out of the rain or moisture and prevent it from being dropped.
4. Do not knock, open or modify the detector as this may cause damage.
5. Covering the detector, improper use, or improper maintenance may reduce or lose detection capabilities.

### ◆ Warm prompt:

1. Keep this product away from water corrosive liquid.
2. The main function of this product is gas

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detection and alarm, detecting combustible gas (LNG/LPG) and toxic gas carbon monoxide, and the temperature and humidity detection function is an additional function.  
 3. Because of the difference of power supply mode, this product supplies power for household AC voltage, while the conventional portable temperature and humidity detector supplies power for DC voltage. This product will generate heat during use, which will cause the temperature in the shell to rise, and the data displayed by the temperature and humidity of the product will be different because of the product structure, so there will be a certain degree of data deviation when comparing the accuracy with the professional temperature and humidity detector. Don't worry, it's a normal state.  
 4. Please don't use this product within the range of overrange.

### ◆ Packing List:

- 1 x 4 in 1 Gas and Carbon Monoxide Detector
- 1 x User Manual
- 1 x PE bag

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