

# Contact

Website: <http://www.cazoner.com/>

Tel: 86 15811801081

Email: CAZONER@yeah.net

Address: A156 4F Niulanqian Building Longhua new

District

Shenzhen, China.

Zip code: 518101

THANK YOU FOR READING :)

## CAZONER Natural Gas Detector Manual



### 1 Product Introduction

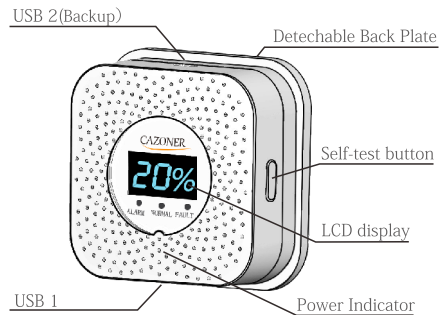
CAZONER natural gas detector is a household detection equipment for detecting the leakage of natural gas and liquefied petroleum gas. When the gas leaks reach to the concentration of dangerous value in the house, the signal of the detector's audible and visual alarm will be issued immediately that promoting you to take effective action quickly to eliminate the danger so that can avoid the accidents like fire and explosion effectively.

#### ● Sensor

Made with original cores  
The gas-sensing electrodes material is 100% pure platinum precious metal.

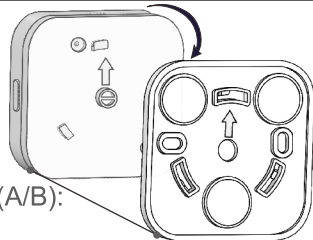
#### ● Alarm mode

The sound level alarm is 85dB. With the increase of gas concentration, the acousto-optic frequency gradually increase.



#### ● Concentration value of working state(0-20%LEL):

- Green Breathing: 0%-2% Green light "breathing", no combustible gas detected (Normal)
- Yellow Flashing: 2%-5% Yellow flashing, slight combustible gas detected (Need to be vigilant)
- Red flashing: 5%-20% Red flashing quickly + Buzzer quick alarm, high concentration combustible gas detected (Dangerous)
- Yellow Flashing + Buzzer alarm synchronously: Fault status



#### ● Two installation methods (A/B):

##### ➤ A: (Paste 3M tape)

- 1) Clean the wall in a suitable position
- 2) Stick the 3M tape on the detachable backplate of the alarm, then put the arrow up and perpendicularly to the ground to press it on the wall for 10 seconds.
- 3) Install the alarm on the detachable backplate and rotate it to the right to lock

##### ➤ B: (Screw mounting)

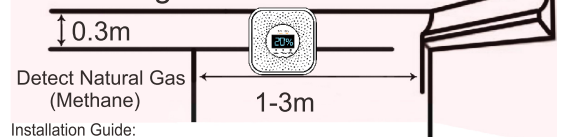
- 1) Drilling two suitable holes on the wall, and then tighten the detachable backplate on the holes
- 2) Install the alarm on the detachable backplate and rotate it to the right to lock

#### ● Installation Location

- The detector and the gas stove should be located in the same indoor space.
- The best distance between the detector and the gas leak source is 1-3 meters.
- Natural gas is comprised of methane gas that is lighter than air. In case of gas leakage; gas rises towards ceiling and accumulates in areas near ceiling. Therefore, for natural gas, the detector shall be located in a position of 0.3m under the ceiling and (1-3) meters away from gas supply.
- LPG is comprised of mixture of propane and butane that is heavier than air. In case of gas leakage, LPG falls down to ground. Therefore, for LPG, the detector shall be located in a position of 0.3m above the floor and (1-3) meters away from gas supply.

### 2 Installation Instructions

#### Ceiling



Detect Natural Gas (Methane)

Installation Guide:

If the gas is natural gas, install the detector at the distance of 0.3m from the ceiling and 1-3m from the gas source.

If the gas is LPG, install it at the distance of 0.3m from the floor and 1-3m from the gas source.

Detect LP Gas (Propane)



#### ● Point for Attention

- Do not install it in the place that too close to the gas stove!
- Do not install it in the place with too much smoke!
- Do not install it in the place of exhaust fan, doors, windows, bathrooms and other large airflow or humidity larger!

### 3 Key Function Operation Guide

- Self-test Key: Detecting the sound and light alarm to see if it is abnormal.
- No alarm state--> Press the self-test button--> The display shows 8.8% while the green light, yellow light and red light are on sequentially --> buzzer sounding--> 100 seconds warm-up countdown starts
- If the ring indicator light or buzzer is abnormal, please repair it in time.

## 4 Equipment Maintenance

1.First time to use: Please aging it with electricity for more than 24 hours when first to be used after a long-distance transport or long storage so that it can keep the best performance.

2.Self-checking period: Please self-test it for every 4-6 months.When you use an known concentration of gas to test the detector to confirm whether it will work, please be sure the operation environment is absolutely safe!

3.Cleaning: Please use soft brush,velvet cleaning tools to clean its face end's dust or oil to ensure its detection hole breathable so that can keep good display.Please do not use detergents, bleach or other cleaning liquid to clean it.

4.Indoor use only: Please avoid rain or moisture when use it. Please avoid it fall down. Do not beat,open or change it,or it might causes the product failure.

5.Avoid volatile substances surround: Please do not use volatile substances like alcohol or hair gel near to the detector. If this kind of material causes the false report of the detector, please ventilates promptly so that it can return to the normal examination condition.

6.Lifespan: The maximum life of the detector is 5 years under normal situation.Please replace a new one when over the use of the period.

## 5 Main Specifications

Model	CZR-HD1002
Applicable Gas	Natural Gas /LPG
Weight	70g
Sensor Type	Semiconductor
Overall Dimensions	70mm * 70mm * 28mm
Sampling Method	Natural diffusion
Working Voltage	DC5V±0.1V
Range	0-20% LEL
Self-test Time	100s
Alarm presetting level	5%LEL
Alarm	Visible and Audible alarm
Working Environment	Temperature: -20 to 40 Humidity: ≤ 95% RH (no frost)
Alarm Volume	85dB
Lifespan	5 years

## 6 Common faults and solutions

Failure Phenomenon	Failure Analysis	Solutions
The green power indicator does not light	The connection of the power cord is not well	Please check the power cord connection and connect it again
	Power indicator has failed	Please contact the seller for assistance
Press the self-test button without sound and light alarm	Circuit failure	Please contact the seller for assistance
No response to detection of gas	Pre-boot program has not over yet	Wait for the program to complete the pre-boot
	Circuit failure	Please contact the seller for assistance
After the pre-start procedure, the detector has been in the alarm state	There are large amount of volatile organic compounds surround	Place the detector in a clean air environment and restart the self-test program
	Long storage	Continue to aging it with electricity
	Circuit failure	Please contact the seller for assistance

## 7 After-sales service and Warranty Policy

SUPPORT ONE-YEAR FREE REPLACEMENT,BUT CAN NOT ENJOY THE WARRANTY UNDER THE SITUATION OF NON-NORMAL USE (FOR EXAMPLE: LIGHTNING, VOLTAGE INSTABILITY, WATER AND OTHER HUMAN FACTORS)