

PRODUCT INTRODUCTION

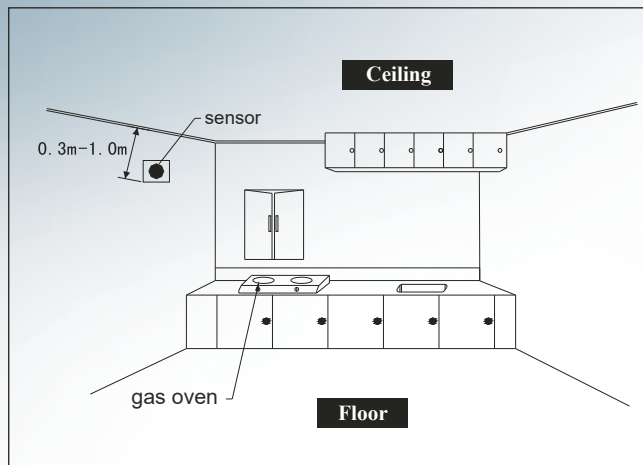
The product is wall mounted compound gas detector with high stability (hereinafter called detector). It is used for detecting leaking gas. Advanced semiconductor sensor is adopted to ensure high stability and long life. It is convenient for mounting. Built-in MCU connected to I/O of all kinds of functional modules, with its program written in the MCU to coordinate all the modules work properly, stable and reliable. The product is suitable for the safety of residential house, villas, hotels, markets, boarding house etc.

MAIN FEATURE

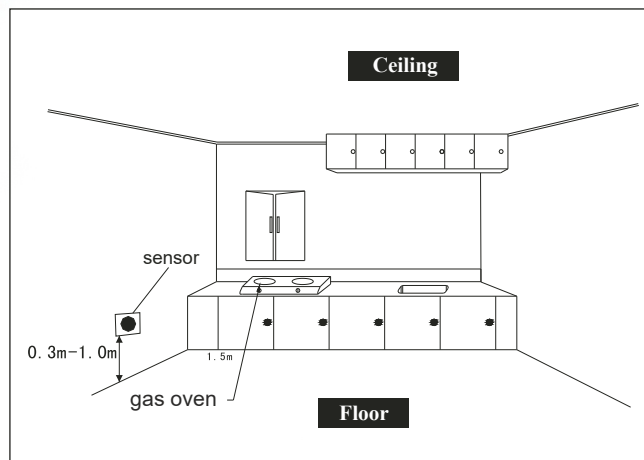
Operating voltage	AC220-240V 50-60Hz
Standby Current	≤ 100mA
Alarm Current	≤ 160mA
Rated power	≤ 3W(AC220V)
Gas alarm sensitivity	5-20%LEL
Sound level	≥ 85 dB/m
Operating temperature	- 10 °C ~ +50 °C
Environment humidity	95%(no congelation)
Alarm output	sound & alarm/solenoid valve output
Size	120 * 77 * 45 mm
Warm-up time	about 180s
Installing	wall-mounted

INSTALLATION

1.LNG detector : install the sensor at 0.3-1m under the ceiling, and near the leaking gas within 1.5m(see below map)



LDG detector : install the sensor at 0.3-1m above the Door, and also near the leaking gas within 1.5m(see below map)



2. Hang the detector on the wall, make sure it is stable and fixed.
 3. When installing the sensor for home use, do not install in dirty, dusty or oily areas, such as the kitchen, house, garage and house. Oil, dust, or household chemicals can contaminate sensor head, so that alarm can not working properly. Do not block the ventilation opening. The Detector will not be installed by curtains, furniture or other objects blocking the airflow in. Do not install in poorly ventilated places, such as the top of vaulted ceilings and the top of sharp roof, where carbon monoxide can not be induced early to alarm. Do not strong wind from the ceiling fan, do not install around windows and doors which through to the outdoors, fresh air vents or any nearby place. The rapid circulation of air from the fan or the outdoors will affect the sound level, the sensitivity of the detector.

PRODUCT OPERATION

The Gas Detector can be used independently, or with wired networks output functions (networking type), or wireless RF signal or solenoid drive signal.

1. Independently

(1) Choosing a suitable position to install the Detector according to the INSTALLATION.

(2) connect to the power supply, circuit is getting into self-testing status, all LEDs flash once the buzzer give a sound "Di", the sensor is into warm-up state. After doing that the green LED is lighting on once a second. after 3 minutes the detector get into normal state, now, the green LED lights on it is getting into working status.

2. In wired network

(1) Choosing a suitable position to install the Detector according to the INSTALLATION. To connect the detector with the controller, with the N.C. or N.O. contact optional according with the controller system.

(2) connect to the power supply, circuit is getting into self-testing status, all LEDs flash once. the buzzer give a sound "Di", the sensor is into warm-up state. the green LED is lighting on once a second. after 3 minutes the detector get into normal state.

(3) When it's at the state of pre-heating, press the test button, it would have network signal output, this can be as a testing signal for control panel.

3. While detecting the leaking gas, the indicator of red LED flashes. meanwhile the buzzer sends out the alarm sound "Di Di", and output the network signal. (or give power to the fan, or drive the solenoid valve to cut off the gas pipe). The Detector will resume to the detecting state after leaking gas was dispersed.

4. Fault occurs when yellow LED lights on, and give alarm sound all the time.

5. When fault occurs, please cut off the power supply, then connect to the power supply again to let it self-testing, if it still alarm continuously, please contact after-sale service.

EMERGENCY TREATMENT

The detector alarms while the gas density in air exceed the alarm level. The relative treatments as bellow:

1. Shut down the tube valve right away.
2. Open the window and make the air flow rapidly.
3. Extinguish all fire sources and do not use anything can make fire, e.g. Lighters, matches, etc.
4. Avoiding open or close the power all kinds of electric Equipment.
5. Check the reason of gas leaking, and notice the relative departments and professional persons in time.

LED INFORMATION

red light	gas alarm
green Led	normal state
green Led on	pre-heating state