



HOUSEHOLD GAS LEAKING DETECTOR

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The Household Gas Leaking Detector with SCM technology and the advanced low-current gas sensitivity components, enables detecting the gas leaked in time, then send out the alarm correctly. The Detector accords with the standard of "Household Gas Detector" of CJ3057-1996.

Induced Gas:	Coal Gas / Natural Gas / LPG
Power Input:	DC 12V
Buzzer Level:	≥85dB/mAlarm
Density:	15% LEL
Resuming Density:	8%LEL
Operating Temperature:	-10°C to 50°C /Operating Humidity: ≤90%RH
Stableness:	≤5% LEL
Repetitiousness:	≤5% LEL
Alarm Mode:	≤5% LEL
Alarm Pattern:	Flash & sound alarm/Shut off Gas Valve/Network larm signal
Power Consumed:	≤5W
Range of Alarm Density:	300-10000ppm
Responding Time:	≤10s
Restoring Time:	≤30s
Size:	115x70x38mm

NOTE:demarcating gasjs ch4

TEST

To test the installed Detector while using independently or in network, you can give some gas around in distance of 5cm to the gas convection windows by using un-ignition lighter. Gas testing frequently may result in reducing the sensitivity of the Detector. The alarm density of gas is set according with the criteria of CJ3057-1996. The Detector will stop alarm and resume the detecting state while the gas density reduced. The alarm output switches can connect with the defense input switches of alarm system.

EMERGENCY ALARM TREATMENT

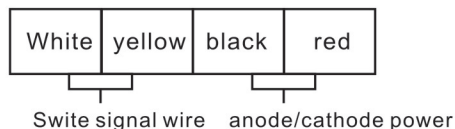
The Detector alarms while the gas density in air beyond the alarm density. The relative treatments as below:

1. Shut down the tube valve right away.
2. Open the window and make the air flow rapidly.
3. Extinguish all fire sources and anything can make fire, e.g. lighters, matches, etc.
4. Avoiding open/close all kinds of electricity.
5. Check the reason of gas leaking, and notice the relative departments and professional persons in time.

NOTICE

1. The detector must be installed and connected accordingly. It can not work if without the power supply orderly.
2. Please periodically maintenance according to the directions.
3. The Detector must have a test every half a year.

Terminal Block Figure



INSTALLATION

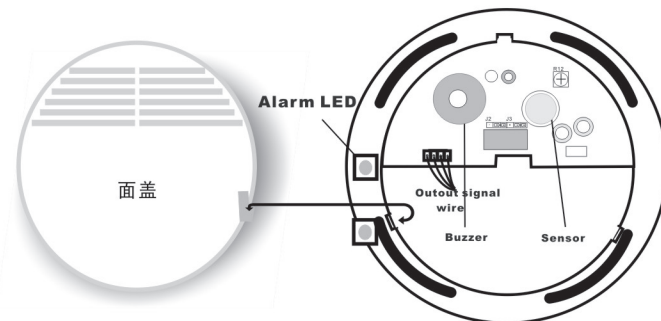
1. Please confirm the test gas is heavier than air, or lighter than air. The gas heavier than air: LPG etc. The gas lighter than air: natural gas, carbon monoxide gas, manmade gas, marsh gas.
2. Choosing the suitable position to install the Detector according to the gas heavier than air or not. Detecting the gas heavier than air: Installation height from floor: 0.3-1.0m Semi-diameter to gas source: <1.5m Detecting the gas lighter than air: Installation height from ceiling: 0.3-1.0m Semi-diameter to gas source: <1.5m
3. Avoid installing the detector close to the following sources of interference: direct air flow form vents, fans, doors, windows, sources of steam, oil vapor, etc.

WIRES INSTALLATION DORECTIONS

All wires installation must accord with the National and Local effective laws and criteria. The wires must have the suitable size and colorful marks for avoiding connecting error. And unsuitable connection of wires will result in the alarm error while gas leaking happened.

4. For various reasons, including, but not limited to, changes in environmental conditions, electric or electronic disruptions and tampering, the Product may not perform as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his/her property.

Demonstration



- 1.R12 button for adjusting the sensitivity. clockwise to increase the sensitivity, anticlockwise to reduce the sensitivity.
- 2.J2, NO/NC jumper. AO is NO, AC is NC.
- 3.J3 not use

USAGE

The Household Gas Detector can be used as a kind of alarm independently, or with network, valve controller linkage, exhaust fan function optional.

1. Independently
 - (1) Choosing the suitable position to install the Detector according to the INSTALLATION.
 - (2) AC 12V power supply, the green LED flashes once a second for 3 minutes continuously, that runs the inside sensor. Then the Detector sends out a sound "Di" and the green LED lights, that means the Detector entries normal working state.
2. In Network, Valve Controllor Linkage

Choosing a suitable position to install the Detector according to the INSTALLATION, and fixing the Valve Controller with the Alarm. To connect the Detector and the Controller, with the N.C. or N.O. contact optional accord with the controllor system.
3. While detecting the gas leaking, the red LED flashes, the Buzzer sends out alarm sound "Di···Di", and the network output signals. The Detector resumes for the detecting state after the gas taken off.
4. The buzzer long beep and the green LED OFF means the inside sensor wrong. Please cut off the power supply, and contact the After Service Center.
5. If the Detector runs disorderly, cut the power off and rerun again. If still in error, please contact the After Service Center.

LED INFORMATION

RED LED FLASH:	gas leak
LED D2 ON:	running the inside sensor
LED D1 ON.D2 OFF:	working normally
LED D1 OFF:	power off or sensor destroyed