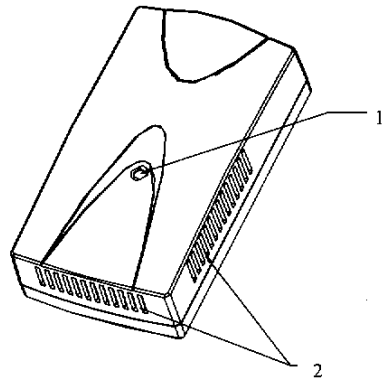
HOUSEHOLD GAS LEAKING DETECTOR

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.

GENERAL VIEW



1. GREEN ON: working state
RED ON: Alarm indicator
2.GAS CONVECTION WINDOWS

TECHNICAL SPECIFICATIONS

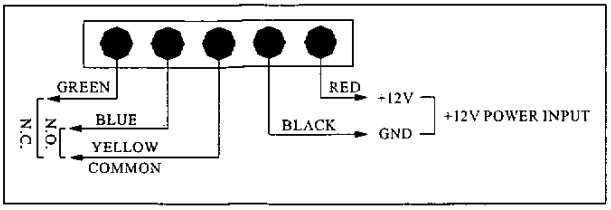
Induced Gas:	Coal Gas / Natural Gas /LPG
Power Input:	AC220V50Hz Or DC 12V
Buzzer Level:	≥70dB/m
Alarm Density:	10% LEL
Operating Temperature:	-10℃~+55℃
Operating Humidity:	≤90% RH
Stableness:	≤±5% LEL
Repetition:	≤±5% LEL
Alarm Density Error:	≤±5% LEL
Alarm Mode:	Flash & sound alarm/Network alarm signal
Power Consumed:	≤5W (AC supply)
Size:	120*70*41mm

NOTE: Demarcating gas is CH_4

WIRES INSTALLATION DIRECTIONS

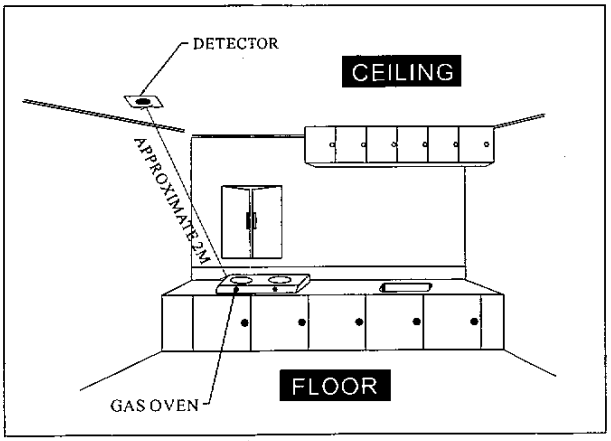
All wires installation must accord with the National and Local effective laws and criteria. The wires must have the suitable size and colorful marks for avoiding connecting error. And unsuitable connection of wires will result in the alarm error while gas leaking happened.

TERMINAL BLOCK FIGURE

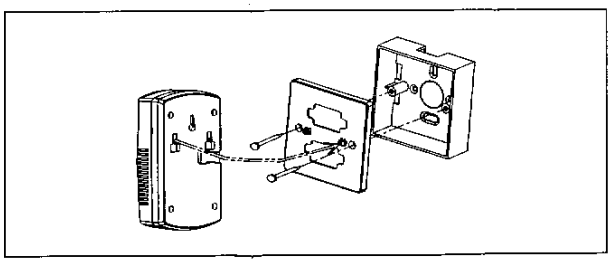


INSTALLATION

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. Fix the 86x86 board on the selected place by screws, then set the detector on it and check whether the installation is correct.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.



4. AC 220V and DC 12V optional. If you choose the AC 220V with the white cable, the detector will alarm by sound and light, and without the red/black/yellow/blue/green cables; Otherwise, the Detector without the white AC 220V cable if you choose the DC 12V power supply.

USAGE

The Household Gas Leaking Detector can be used independently, or with networks output functions.

1. Independently

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

(2) With DC 12V or AC 220V 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

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

(2) With DC 12V or AC 220V 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.

3. While detected the gas leaking, the red LED flashes, the Buzzer sends out the alarm sound "Di ··· Di", and the network output signal. The Detector will resume for the detecting state after the gas taken off.
4. The buzzer long beeps and the green LED OFF means the inside sensor wrong. Please cut off the power supply, and contact the After Service Center.
5. While using the Detector independently, exhaust the leaking gas out of the window via using the N.O. contact of the network signal to control the exhaust-pipe.
6. If the Detector runs disorderly, cut the power off and rerun again. If still in error, please contact the After Service Center.

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.

NORMAL MAINTENANCE

Suggestion: the user must brush and clean the gas convection windows with a little cleanser every three months, and must retest the Detector after cleaning for preventing the cleanser into the Detector.

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.

LED INFORMATION

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

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.
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.