

# Gas Leakage Alarm

## Instruction Manual

The gas leakage alarm is suitable for the place where natural gas exists. It Can detect and alarm the burning, explosion, poisoning caused by gas leakage. This product has the characteristic of high sensitivity , high stability, small cubage, easy to install.

## Basic Function

When the flammable gas density reaches and responds the rated value of density in its surrounding environment, the alarm can give out alarm signal of sound, light and networking. In the alarm state, the ambient concentration of combustible gas down to the response concentration below the rated value, the alarm can be automatically restored to normal monitoring state. It has red, yellow, green three state indicator light and one built-in buzzer, show the following three kinds of states separately:

1. Green indicator lights up, the power supply operates normally, and in the state of monitoring;
2. Yellow indicator lights up with the sound of the buzzer, alarm faults(mainly on sensor);
3. Red indicator lights up, with the buzzer noise and networking output, indicate the alarm is in alarm state.

## Technical parameter

Working voltage: DC10-14V

Power consumption: static≤100 mAalarm≤150 mA

Alarm Range: natural gas 3%~15%LEL

Response time: <30s

Alarm sound: >75Db (right ahead 1m)

Installation style: ceiling mounted

Gas sensor: life span 3 years

Ambient Temp. : -10℃~ 45

Humidity Range: 10%~95% RH

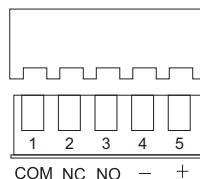
Use style: standalone or networking

## Installation

1. Design for ceiling mounted, please install the product where's up from the leakage of the natural gas
2. When install alarm, use 2pcs of self tapping screw & expansion pipes from installation package, fix the mounting bracket on the roof, connect power and networking line, and then install the detector onto the support (note to align detector in the mouth of support chuck, and rotate enough to the right place)
3. Press the test key, the detector gives out "Di Di" buzzing, the red light flashes, have corresponding network output, installation is finished.

Note:

- a. The alarm can't be installed too close to above the gas source, should 2m min. above to avoid faulty alarm even at normal use.
- b. The alarm can't be held at bathroom or moister place.
- c. Alarm's forbidden with paint, alcohol, should isolate the alarm immediately if two kinds of gas exist in the room, lest damage the sensor



- 1:Blue wire
- 2:Yellow wire
- 3:Green wire
- 4:Black wire
- 5:Red wire

- +:Positive pole
- :negative pole
- NO:Normal open
- NC:Normal close
- COM: Common point

## Debugging

Put through the power of the alarm, Alarm enter into "power on" hint state, red, green, yellow indicator lights turn on also with a "Di" sound. Then both fault indicator light (yellow) and alarm indicator light (red) extinguish automatically; power indicator light flashes, after about 60 seconds, gas leakage alarm enters into normal monitor state (green LED is on normally, yellow/ red LED go out).

## Emergency treatment

When red alarm indicator light flashes with buzzing sound, or networking alarm, that indicates the gas leakage with higher density in the environment. The finder should check according to the following procedures immediately

1. Close all the gas sources (stove, cooking utensils, gas water heater, etc.).
2. Open the doors and windows and enable the air convection immediately, exhaust naturally.
3. Forbid opening other electric equipment products.
4. If symptoms such as someone's feeling Headache, regurgitation, general weakness, agitation or shock, etc., should be sent to the first aid of the hospital.
5. Find out the alarm cause and deal with in time after the gas disappears.
6. If is unable to get rid of the cause of accident, Please consult your local property management office.
7. Due to the quality reason of the alarm; please contact the supplier to check.

8. Due to the gas leakage, please contact the gas company, checking gas piping, water heater or stove, etc. Where may cause the leakage of gas sources.

Note: the leakage of paint, cosmetics , chemical products alcohol might cause the alarm , should make these articles far away from the alarm, reduce faulty alarm.

### Trouble Analysis and Removing

Gas leakage alarm belongs to safety precaution products, should incessant to run after start the machine, in the course of use and maintenance , if find the following problems , should deal with (see the following form ) in time; if fail to handle, should get in touch with after-sales service centre. After this product goes into normal running, users do the periodic inspection according to one's own condition, so as to ensure normal running

Trouble phenomenon	Accident analysis	Trouble clearing
Three indicator lights are not off	Power is not connected	check the power connecting wire
Green&Yellow indicator light on	sensor invalid	Change sensor

### Maintenance and Warranty

- a. Consult this manual and install and debug two sections.
- b. Weekly check and test the conditions of alarm and power connection, contact with the

facilitator in time to discover the problems.

- c. Users make sure not to dismantle the alarm by themselves, not allow to use the chemical spraying cleanser to wash directly either, lest damage the sensor head. When users really need to wash, please notify the specialized company or consult the facilitator