

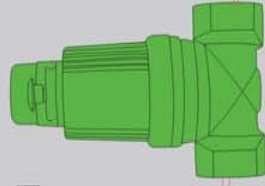


Exhaust FAN

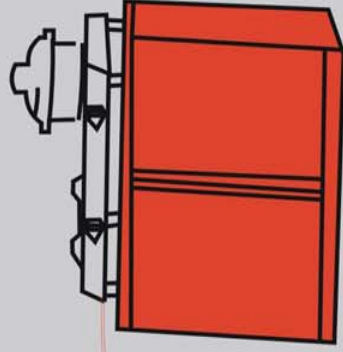
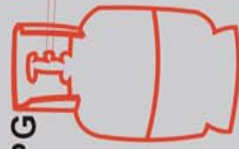
Natural gas

Coal gas

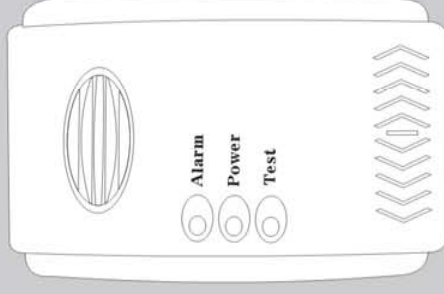
LPG



Solenoid Valve



Kitchen



Gas Alarm System

INTRODUCTION:

1. With the most advanced MCU and central processing technology, the gas alarm can be used to detect LPG(natural gas)\coal gas.
2. Also it has 7 terminals at the back of the gas alarm, which enable it can work with auto off solenoid valve(12v), exhaust fan (110v /220v), and wired/wireless alarm system
3. Build in siren, sensitivity adjustable
4. Low false and missing alarm, highly reliable
5. Auto reset

SPECIFICATION:

Operating voltage: AC220V OR 110V
 Working current: <100mA
 Power consumption: 3W
 Working temperature: -10--+60 °C

Humidity: <95%RH
 Sensitivity: 10% LEL
 Response time: <30S
 Horn level: 85db within 10 feet

INSTALLATION:

1. Whether the target gas is heavier or lighter than the air. The LPG is heavier than air, while Natural gas, coal gas and methane is lighter than air.
2. For the gas heavier than air : install the gas alarm 0.3--1.0m than the floor, within 1.5m radii of the target gas.
 For the gas lighter than air: install the gas alarm 0.3--1.0m below the ceiling, within 1.5m radii of the target gas.
3. Fix the screw on the wall. Handle the detector on it.
4. Connect the terminal according to the right figure

OPERATION:

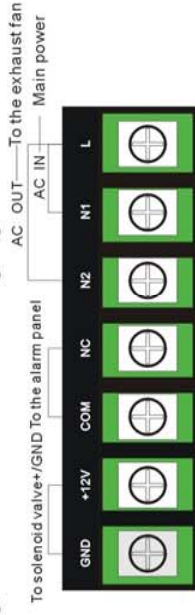
1. Power on, the green LED flashes, that implies gas alarm is warming-up.
 The green LED is stable(standby status) after 3 minutes.
2. In the standby status ,if the alarm detects the gas leakage, the red and green LEDs would light on simultaneously for 1 second. That implies it is transmitting wireless signal to the panel. Also it would output a 12v to automatically shut off the valve within 1 second to block the gas leaking. Also at the same time, output a wired signal. Then ,the green LED goes out and red LED goes on, the built-in siren sounds. If you install the exhaust fan, also the gas alarm would output 110v/220v to turn on the fan so that the leakage gas could be exhausted by the fan.
3. When the gas thickness is lower to a safe standard, the siren stops and the exhaust fan stops, while the red LED is still on, so when the user is back, you can know the gas alarm alarmed when you are out.
4. Press the test button, auto reset the gas alarm.

TEST:

After the gas alarm is in standby mode, you can test it by lighter. Light the lighter, then put it out while it is still on, the lighter would emit some gas, when the gas is beyond the safety standard, the detector would alarm. Do not use gas to test it too frequently! When you press the test button, the gas alarm would simulate the whole alarming process.

The LED information

	FLASH	ON
GREEN	Warm-up	Standby
RED		Alarming or there is an alarm happened
		Transmitting wireless/wire signal to alarm panel



QG001A	Local alarm	QG001C	Exhaust fan, wireless output, valve	QG001E
QG001B	Exhaust fan, wireless output	QG001D	Exhaust fan, wired/wireless output, valve	Local alarm, wireless output