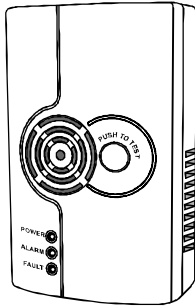


PRODUCT INTRODUCTION

The product is an indoor combustible gas detector with high stability, used for combustion gas leak detection. It uses highly stable semiconductor gas sensor with features of stable performance and low drift of sensitivity. When it senses combustion gas leak that reaches the alarm level, it will give out alarm sound with red LED flashing. The detector is applied in indoor areas where combustion gas leaks may happen.

PRODUCT FACE



PRODUCT FEATURES

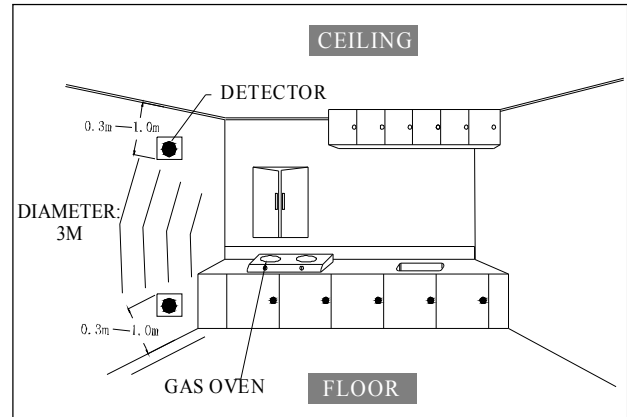
- Detect Natural Gas / LPG
- Wall Mounted
- High Reliability Semiconductor Sensor
- Manual Test Button
- MCU Processing
- Auto Reset After Gas Clears
- Auto-Check Sensor Failure
- Wireless Alarm Signal Transmission
- SMT Manufacture Technology, High Stability
- “Heartbeat” Timing Function

TECHNICAL SPECIFICATION

Operating Voltage	AC 220V
Working Environment	Temperature range: -10°C ~ +55°C Humidity range: 10%~95%RH
Storage Temp.	-25°C ~ +55°C
Alarm Level	6%LEL of Natural Gas
Error	±3%LEL of Natural Gas
Sensor	Highly stable semiconductor sensor
Alarm Reset	Automatic reset when leaked gas level belows the alarm level
Sound Level	75dB/m
Alarm Output	Wireless alarm signal 433MHz
Code Form	1527 coding
Detecting Distance	100m (open area)
Indicator	AC Power: Power LED constant green Alarm: Alarm LED flashing red rapidly Sensor Failure: Fault LED constant yellow
Dimension	110*70*40mm

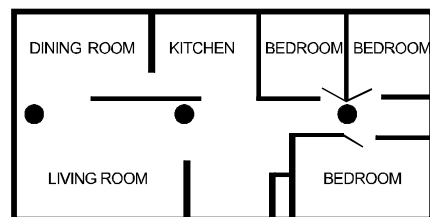
INSTALLATION

1. First please confirm if your gas is heavier than air, or lighter than air. Heavier gases: LPG etc; Lighter gases: natural gas, marsh gas etc.
2. Choose a suitable position to install the detector according to the gas specific gravity. For detecting heavier gases, installation height: 0.3-1.0m from floor, within the radius of 1.5m from gas source. For detecting lighter gases, installation height: 0.3-1.0m from ceiling, within the radius of 1.5m from gas source (refer to the following image).



3. Fix the attached installing base into a wall firmly with screws and hang the detector .
4. When installing at home, keep the detector away from gas cookers to avoid being roasted by flame. Do not install the detector in places with heavy smoke and oil which may cause false alarms or block the gas convection holes of the detector, which affects the detector sensing sensitivity. Also do not install it near to exhaust fans, windows, doors, and places with heavy vapor in bathroom.
5. Correctly connect the wires. All wiring and installation must accord with the National and Local effective laws and criteria. Improper connection will cause the detector not alarm on gas leaking.

INSTALLATION GUIDE LAYOUT



OPERATING INSTRUCTION

1. The detector will work just simply by plug-in.
2. After plug-in, the power LED constant on green. With a “Di” sound from buzzer, the detector enters into warming up state. Red and yellow LEDs flash alternatively. 3 minutes later, the LEDs go out and the detector goes into normal working state. Testing with gas is forbidden during warming up.

USER MANUAL FOR WIRELESS COMBUSTIBLE GAS DETECTOR

M303-80Ver1.0

3. When a combustible gas leak happened and reached the given alarm level, the alarm LED will flash red and the buzzer will give out “Di...Di...” alarm sounds. Meanwhile, the detector will send out wireless alarm signal.
4. The detector checks sensor failure automatically during working. For sensor failure, the Fault LED on yellow constantly along with buzzer sounding. For this situation, unplug the detector and contact your vendor. Do not take apart the detector or try to repair it by yourself.

TESTING

1. The detector has a self-test button for checking if the LEDs and the buzzer work normally. Pressing the test button, the red and yellow LEDs flash alternatively and the buzzer gives out alarm sound and meanwhile the detector will sent out wireless alarm signal.
2. It is forbidden to test with a lighter directly towards the gas convection holes. This may cause damage to the inside sensor. Instead, gather the gas from a lighter into an empty plastic bottle and point the bottle mouth towards the gas convection holes to release the gathered gas for testing.

FAILURE ANALYSIS & TREATMENTS

Failure	Cause analysis	Treatments
keep warming up after plug-in (LED flashing constantly)	1. not power on for a long time 2. test with gas in warm-up	1. run aging test for at least 24 hours 2. do not test with gas in warm-up
yellow LED on and buzzer long beeps	sensor failure	contact your vendor

EMERGENCY ALARM TREATMENT

When the natural gas level in air around the detector reaches or exceeds the given alarm level, the detector will automatically enters into alarm state. Below treatments are advised:

1. Close the gas tube valve right away.
2. Do not plug or unplug electrical appliances.
3. Open windows to circulate air.
4. Inspect the gas leak reason and notify the related department or professionals to inspect and handle the leakage. If it turns out to be a false alarm, check if the installing position is improper.

WARNING!

1. The product is a combustible gas detector. Can not be used to detect toxic gases such as carbon monoxide.
2. Make sure proper wiring and power supply are applied. Without normal power supply, the detector will fail to work.
3. At working time, mild heat-up in housing surface is normal.
4. Maintain the detector periodically as required in this manual.
5. Use cleaner to vacuum the dust in surface every month.

6. Do not use any detergents or solvents to clean the detector. Chemicals may cause permanent damage or transient pollution to the sensor.
7. Avoid spraying air fresheners, hair gels, paints or other aerosols near the detector.
8. Test the detector by a professional every year to assure the detector sensitivity. If the detector fails to work properly, repair or replace it asap.
9. The service life of the detector semiconductor gas sensor is 5 years. Replace the detector immediately when the service life expires.
10. The detector can reduce accidents happening, but can not guarantee a hundred percent safety. For your security, besides proper usage of the detector, pay attention to build up safety conscious and take preventive measures in daily life.