

Y301/Y302 Gas Leak Detector Instruction Manual

※ **ATTENTION:** Please take a few minutes to thoroughly read this Manual which should be saved for future reference and passed on to any subsequent owner.

General Instructions

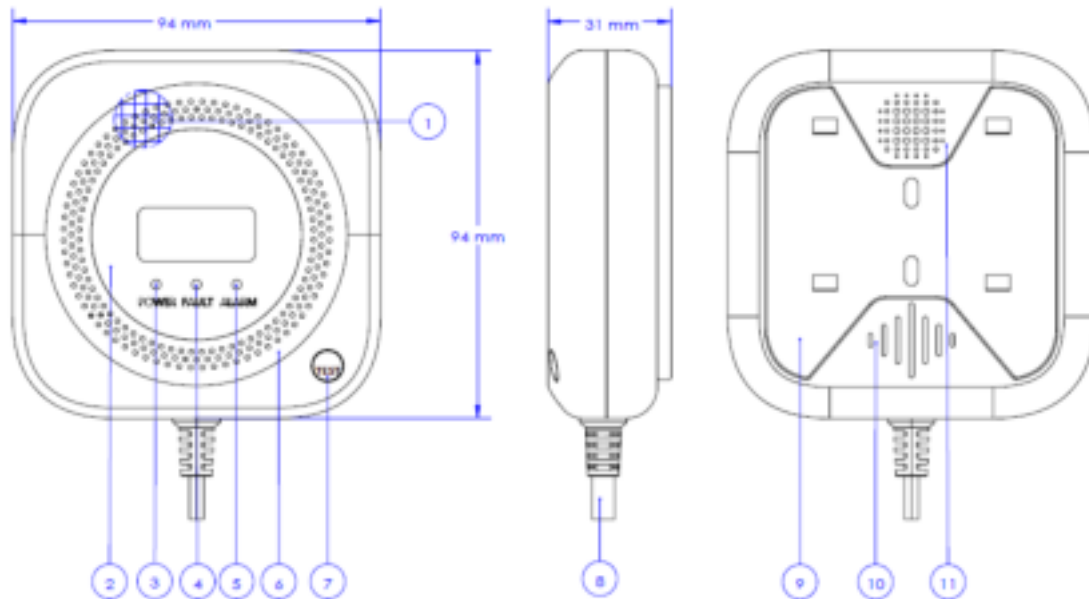
Y301/Y302 combustible gas detector (hereinafter referred to as “detector”) are designed to detect explosive gases (natural gas and LPG) in the air for houses, offices and similar places etc. It's an electrical alarm apparatus which is located in a fixed place to work constantly and can give out a visual and audible alarm. The detector is equipped with a high-performance **Catalytic Gas sensor** with excellent sensitivity. The digital display and audible alarm notify user of presence and relative concentration of combustible gas.

Technical Specifications

1. Area of Usage: Households
2. Operating Voltage: 110-220V 50/60Hz
3. Power Consumption: <3W
4. Sensor Type: Catalytic gas sensor
5. Alarm Set Point: 5% LEL
6. Tolerance: +/- 3% LEL
7. Material: V0 fireproof ABS + PC
8. Warm-up Time: 3 minutes (regular)
9. Response Time: Less than 30 seconds
10. Audible Warning: Speaker (voice alarm)
11. Alarm Sound Level: 85 dB at 1m
12. Visual Warning: Green-System is on
Yellow-Fault, sensor has lost efficacy
Red-Alarm, gas leakage.
13. Detected Flammable Gases: Natural gas (methane), LPG (liquefied petroleum gas)
14. Operating Temperature: 0-55 °C
15. Relative Humidity: ≤ 95% to avoid condensation
16. Size: 3.7"x 3.7"x1.26" (94mm x 94mm x 31mm), housing material: plastic
Package Size: 4.72"x 4.72"x2.36" (120mmx120mmx60mm)

Product Layout

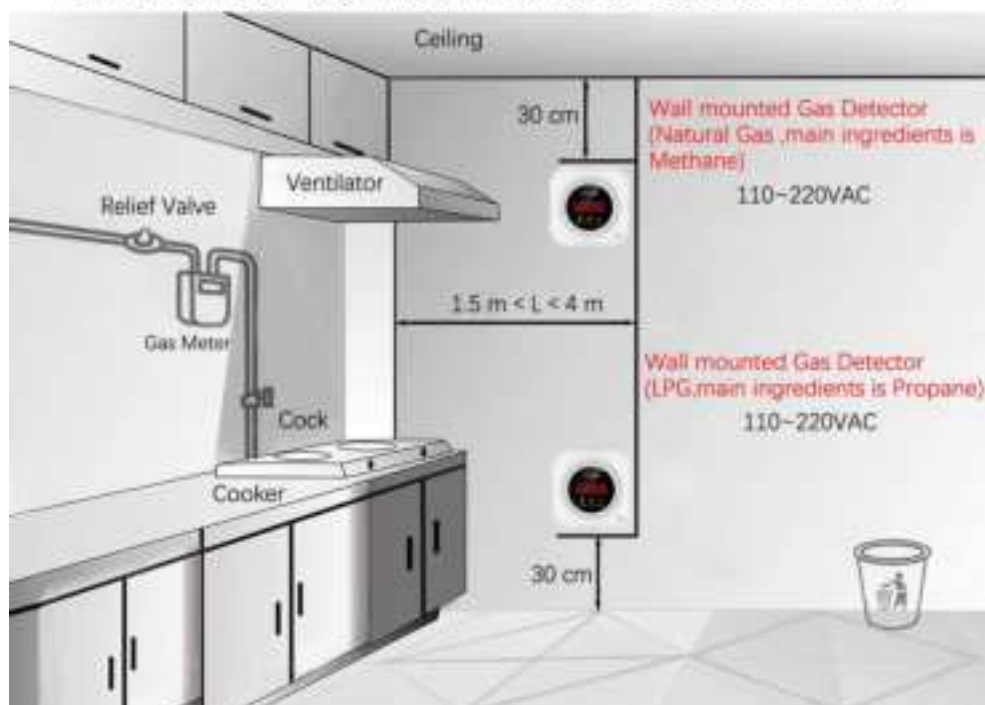
1. Catalytic Gas Sensor Inside (**Note: if use a lighter to test functionality, release gas closed to the sensor area as shown in dashed line.**)
2. Digital Display
3. Power Indicator (Green)- System is on
4. Fault Indicator (Yellow)- Sensor has lost efficacy
5. Alarm Indicator (Red)- Gas Leakage
- 6 & 11. Air Inlet
7. TEST button
8. Extension Cable
9. Bracket
10. Speaker



General Information About Installation

Natural Gas is typically supplied through a main utility line connected to your home. Natural Gas is comprised of methane gas and is much lighter than air, in case of gas leakage, natural gas rises towards ceiling and accumulates in areas near ceiling. If you are a user of natural gas, mount your detector around 30cm (12 inches) away from the ceiling and 1.5~3 meters away from gas supply to ensure the earliest opportunity to detect a leak.

Differences between Natural Gas and LPG



Propane is typically supplied to homes via delivery truck in liquid form and stored near the home in propane tanks. Propane and LPG (liquefied petroleum gas) are often used synonymously. Propane is much heavier than air and will collect at lower levels. If you are a user of propane, mount your detector around 30cm (12 inches) away from the floor and 1.5~3 meters away from gas supply to ensure the earliest opportunity to detect a leak.

It's very important to mount the detector at place with the biggest potential of gas accumulation.

The detector should not be located on following places:

1. Smelly places
2. Directly over a sink
3. Vaporous places
4. Over the oven or chimney hood
5. Closed to vacuuming fan (exhaust fan etc.)
6. Closed to door or window
7. Place with temperature under 0°C or over 55°C
8. Place with dirty and dust which may block the detector
9. Wet and moist places
10. Place with furniture or wares which may block the air movements
11. Location should not be very close to apertures and ventilation channels as air stream may be great and gas concentration will decrease.
12. Detector should not be assembled over or near to a gas appliance as small normal gas release at beginning may lead to undesired alarms.

Operation

1. Plug in the detector.
2. Three lights (Green, Yellow, Red) flash, and there is a voice prompt "Alarm is initiating. Please wait 3 minutes for sensor preheating".
3. Wait for 3 minutes for warm-up process. Don't apply gas to test during the warm-up process because the gas won't be detected. During warm up process, short press **TEST Button** can switch language (Chinese and English language), default is English.
4. Warm-up finished, there's a voice prompt and **Green Power Indicator** will remain on.
5. In working state, press the **Test Button**, the three lights flash and there's a voice prompt.
6. Pre-Alarm set point is 5 (= 5% LEL). The detector will give out a voice prompt and **Red Alarm Indication** flashes when the gas concentration is equal to or above 5. Visual and audible alarm will continue until ambient gas concentration falls below alarm set point (5% LEL). When the gas concentration is more than 20 (=20% LEL), the number on digital display will be changed into letter A.
7. Apply for after service if the **Yellow Fault Indicator** flash on, which means sensor has lost efficacy and can't finish data collection. At same time, Digital Display will show ERR (abbreviation of error). **Just send Email to: support@yeezou.com, engineers on staff from factory will reply and resolve your issues and concerns in 24 hours.**

Maintenance

1. Periodically observe the detector to make sure the Green Power Indicator is on. Press the TEST button, the three lights flash and there's a voice prompt. Recommend at least once per two weeks.
2. Use lighter or similar items for function test, gently release some gas into one plastic bag then subsequently moving the detector into the bag to check functionality. The number on digital display will change correspondingly. Recommend at least once per month.
3. Unplug the detector and wipe only with a damp cloth as needed. Do not apply abrasive solvents or other cleaners. Chemicals can permanently damage or temporarily contaminate the sensor inside.
4. Avoid spraying air fresheners, hair spray, paint or other aerosols near the alarm.
5. During any decoration activities such as painting, wall brushing, wall-papering, staining or stripping floors or furniture etc., wrap the detector with plastic bags and move to a remote location to prevent possible damage or contamination of the sensor.
6. Do not paint the unit. Paint will seal the vents and interfere with proper sensor operation.

Warning: Vapor of alcohol and similar substance, spray, intense cigarette smoke, torch gas, cleaning agents and chemical substance with strong odors, intense meal and water vapors can damage the sensor or cause to alarm malfunction and temporary readings that are not gas

readings.

The detector is only used to reduce and prevent accident, can't make sure everything. Please pay more attention in your daily life and strengthen safety and security consciousness.

What to Do in Case of Alarm

If the detector indicates an alarm signal or your smell gas odor without a signal, keep calm and perform the following actions:

- Shut off the gas source from the main gas control-valve or storage tank (LPG).
- Close gas valves and gas tools (such as cookers) starting from the closest one.
- Open the doors and windows in order to increase ventilation.
- Do not use lighter or matches, put out all the open fires, smoky materials, sources that may lead to spark and fire.
- Do not touch any electrical hardware including gas detector devices, do not turn on/off, do not interfere to their plug (fuses, doorbell, electric switches etc.).
- Do not use mobile phone and radio device to avoid the risk of spark.
- Extinguish fire, if any, extinguish all naked fire including all the smoky materials.
- Call gas distribution company from suitable location.

Warranty

The manufacturer warrants to the original consumer purchaser, that this product will be free of defects in material and workmanship for a period 2 years from date of purchases, but visit our website and register your purchase information to apply for **"1-year Extended Warranty"** that starts at time of purchase for a 3 years warranty. Yeezou's liability and buyer's remedy under this warranty are limited to the repair or replacement of a comparable product.

Our company does not undertake any responsibility for the warranty when any of the following circumstances occur:

1. Failure to use the product in accordance with the instructions contained within this manual;
2. Damage due to insertion of opening the housing without permission;
3. Damage due to usage with water, strong mechanical force or in any environment that does not conform with the above specifications;
4. Any other damage caused by accident, unreasonable use, neglect, tampering or other causes not arising from defects in material or workmanship;

Warning: Do not open or remove unit back cover. Back cover removal will void warranty and lead to potential electric shock risky.

Thanks very much for choosing our products and service. If have any unpleasant experience, don't hesitate to contact us by E-mail, We always have Engineers on staff directly from factory and they will support to resolve your issues and provide professional solution in 24 hours before you make poor reviews.

We are committed to innovate and improve for excellent products and better service.

Thank you again for your business, support and feedback.

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