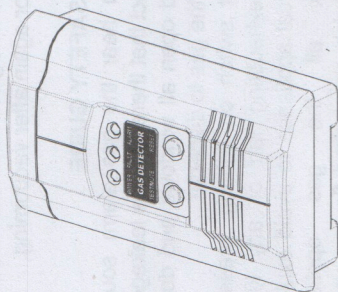


Combustible Gas Gas Detector

User's Guide Ver5.2

Model:

1. AC Power
2. DC Power with relay output
3. AC Power with control output



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.

IMPORTANT! READ ALL INSTRUCTIONS BEFORE INSTALLATION AND KEEP THIS MANUAL NEAR THE DETECTOR FOR FUTURE REFERENCE.

1. DESCRIPTION

The gas detector is designed for single station use or for connecting to fire alarm or security alarm panel. Small and compact, the design and color makes it ideal for use in the home, small commercial properties, and recreational vehicles. It is intended to detect leakage of natural gas (methane gas), town gas, and bottled gas (propane gas), coal gas. The unit is designed for wire-in or plug-in applications. The gas detector can be mounted high (for methane gas) or low (for propane (LPG) gas). It is equipped with a sturdy metal mounting

bracket for quick, easy, and secure installation.

2. FEATURES

- Detect all sorts of combustible gases, natural gas (methane), bottled gas (propane), LPG (Liquefied petroleum gas), LNG (Liquefied natural gas), coal gas, including town gas.
- High quality durable catalytic combustion method gas sensor.
- Easy to install.
- Loud 80dB/m alarm and LED warning light.
- Self diagnostic function by MCU intelligent software.
- Excellent reliability & High stability.
- Ideal for all house and kitchens.

3. TECHNICAL SPECIFICATIONS

Unit Dimensions: 122mm (H) x 76 mm (W) x 38mm (D)

Color: Ceiling White

Operating Temperature: -10°C to +50°C

Ambient Humidity: ≤95% RH

Alarm Horn: 80dB/m

Operating Voltage: AC220V/50HZ, or DC12-28V

Power Consumption: ≤3W (Standby), ≤4W (Alarm)

Value of Detection Threshold (Lower Explosive Limit):

LNG Gas: 10%LEL±3%

Sensor lifetime: > 3 years

Alarm: Red LED with 80dB/m alarm

Warm Up Time: approximately 120 Seconds

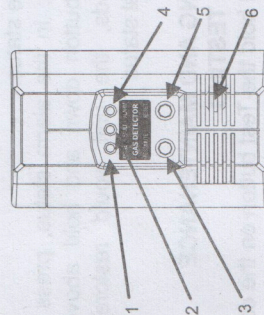
Alarm Output: Relay Output (2A@DC24V, 1A@220VAC)

Voltage Output (DC12V pulse or steady)

(Only for Control Module)

Wireless Alarm 433M (Wireless module)

4. THE COVER AND OF YOUR ALARM



1. POWER Light (Green)
2. Fault Light (Yellow)
3. Test/Mute/Reset Button
4. Alarm Light (Red)
5. Null
6. (Behind the Cover) Alarm Horn: 80dB audible alarm for test, alarm, and unit malfunction warning.

5. INSTALLATION OF DETECTOR

The gas detector can be mounted on the wall. First find the suitable place to fix the bracket on the wall, and then plug the detector into the bracket. Please see figure 1.

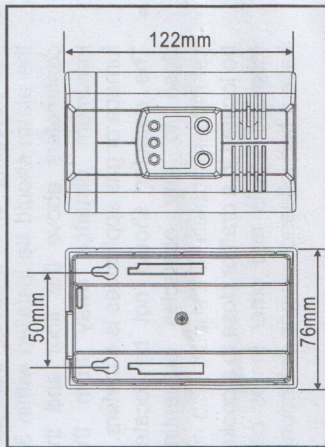


FIGURE 1 UNIT & INSTALLATION BRACKET

6 TERMINAL WIRING OF DETECTOR

1. The AC power supply module has a wire with plug. Not need to using terminal wires for power supply. Please see figure 2.

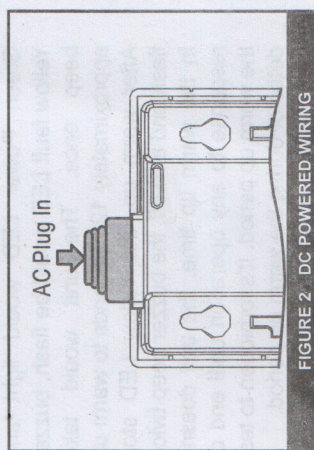


FIGURE 2 DC POWERED WIRING

2. The DC power supply module use terminal T1 (Red) and terminal T2 (Black) as power input. Relay output module has NO/NC/COM output Please see figure 3

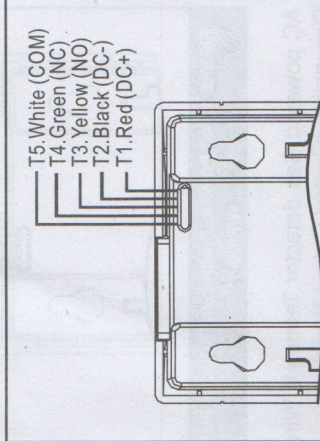


FIGURE 3 DC POWERED with RELAY OUTPUT WIRING

DC powered Gas detector Terminals Wires Description (DC Power Relay Output Module)

- T1: Red Color: DC+, DC power Positive Input
- T2: Black Color: DC-, DC power Negative Input
- T3: Yellow Color: NO, Relay Normal Open Contact
- T4: Green Color: NC, Relay Normal Close Contact
- T5: White Color: COM, Relay Common Contact

3. AC Power with control output module has continuous or pulse voltage output by terminal T1 (OP+) and T2 (OP-), the default setting is pulse voltage output. The voltage output setting can be selected by jump JP1 and JP5. DCF option (Default setting) is pulse voltage output, JXS is continuous voltage output. Voltage output module relay output is capable for load of 1A@220AC, if the current is exceed the limitation, one intermediate relay should be used. Please see figure 4.