



ANSEE

BWR-01A Fuel Gas Detector

BWR-01A is a fuel gas detector with high stability, used for checking the leakage of fuel gas and increase the safety. It adopts advanced catalytic gas sensor with high stability and sensitivity features. The detector supports microprocessor technology, it can trigger light and sound alarm, and remotely send related gas density value to alarm host by RF. It is suitable for areas where gas leakage may easily occurs. The gas detector can be used standalone, also can work as accessory in smart home application to realize remote alarm.

Features



Audible & Visual Alarm



Wireless communication with Alarm Host



Anti High-frequency interference



Automatic Fault Detection Indication



Rolling code for anti-crack



High Reliable Catalytic Gas Sensor

Specifications

Model Name	BWR-01A
Working Voltage	AC100V~AC240V 50~60 HZ
Temperature	0°C ~50°C
Humidity	10%~95% RH
Alarm Level	First level alarm, 10%LEL
Alarm Reset	Auto reset when the fuel gas is cleared
Alarm Format	Audible & Visual alarm, remote alarm (work with alarm host)
RF Distance	≥ 30M (open area)
Radio Frequency	915MHz/FSK
Measurement	115*72*46.5 mm

Operation Instructions

1. Powered on, the yellow LED and Red LED will normally be on for 1 second. Then the buzzer will give “di” sound and the Red LED starts to flash. The detector goes into preheating status for 3 to 5 minutes. After that, the red LED will be normally on and the detector goes into standby status.
2. For product test: press the test button, the red LED will flash fast and make “di- di- di ...” sound, also it will send an alarm signal to the alarm host through RF.
3. Solenoid Valve Connection: the positive pole connects to SIG+ of the detector, the negative pole connects to SIG- of the detector (optional).

Standard Calibration

1. Since detector is a precision device, the accuracy will be affected when suffered with strong vibration or percussion, calibration is needed at this situation.
2. Operating steps of calibration:
 - a. Power off
 - b. Press test button and power on for device till yellow LED is on.
 - c. Release test button, and press it again within 2 seconds till red & yellow LED is on .
 - d. Release the button, and press it again within 2 seconds till you hear “di-di-..” sound. Release it again, the yellow & red LED flashes, and detector goes into standard calibration status. After 3 to 5 minutes, calibration completes and detector will go into standby status.
3. Attentions
 - a. Before start calibration ,make sure the detector has been powered on for over 24 hours.
 - b. Calibration should be finished in clean air.

Alarm Management

When fuel gas density reaches or exceeds set alarm value, detector will go into alarm status.

Please take below actions:

- a. Close the pipeline valve immediately.
- b. Open the window asap to ensure the air circulation.
- c. Notify professional people to deal with it. If it's misinformation, please check whether the detector installation location is reasonable or not.

Attentions

1* Firstly, make sure whether the detected gas is heavier than air or not. Heavier one like liquefied petroleum gas, lighter one like natural gas, Artificial coal gas, marsh gas.

2* Install the detector in suitable place according to it' s weight(compared with air).

3* If the gas is heavier than air: the detector should be installed above ground level about 0.3~1metres, within 1.5metres around the gas source . If the gas is lighter than air, the detector should be installed lower than ceiling about 0.3~1metres, within 1.5metres around the gas source.

4* Use the mounting screw to fixed the bracket on the wall surface, then hang the Detector.

5* Take care for home installation, the detector should be not close to the gas stove to avoid firing. Don' t install the detector in area with lots of lampblack ,as it may lead to misinformation . Also the sensitivity will be affected as air intake is not smooth. Of course , the detector cannot installed near exhaust fan, door, window, and bathroom .

6* The product should not be vibrated or clouted when transport and installation, otherwise detector will work abnormally.

7* This product is only used for fuel gas detect, not for the detection of CO or other toxic gas.

8* Please connect and power on the product correctly. Otherwise, it will not work properly.

9* Use the vacuum cleaner to suck up the dusk on the surface of detector (1 times a month).

10* Do not use cleaning agent or solventia to clean detector, as the chemical reagent will damage the sensor permanently or transiently.

11* Avoid to spray air freshener, fixture, oil paint or other aerosol preparation near the detector.

12* Detector cannot work indefinitely, should be tested every half year. Please arrange maintenance or replacement if the it does not work.

13* This production was designed to reduce the occurrence of accidents, but can not guarantee 100% safety . please keep an eye on safety, and always strengthen the safety awareness of prevention.

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