

Tough and Reliable
with Great Looks
at a Low Cost

AC Powered Plug-In Combustible Gas Detector

● Model: GA543-A

Power/ Alarm/ Fault LED

LED indicates power on , alarm and fault

Test/Silence/Reset

Tests gas alarm circuit operation and allows you to immediately silence or reset the alarm

Gas Sensor

High sensitivity gas sensor with micro controller unit intelligent firmware makes gas detection more accurate and stable

Buzzer

More than 85dB sound alarm



**NEW
FEATURE**

*Intelligent MCU software
minimize the nuisance alarm*

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.

While detecting the gas leaking reach the alarm level, the Red Alarm LED would turn on and the buzzer sound urgently, while the unit will output alarm signals, the unit's relay activated (relay output module), or output signal for electric valve or electric hand.

The unit is designed for 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 mounting bracket for quick, easy, and secure installation.

Features and Benefits

- 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.
- Wide Power Input Range - AC90-270VAC
- Loud 85dB alarm and LED warning light.
- High quality durable sensor.
- Self diagnostic function by MCU intelligent software.
- Excellent reliability & High stability.
- Ideal for all kitchens.
- **Test/Reset Button** - Tests the alarm electronics and resets the unit during alarm.
- **Power LED** - Indicates alarm is receiving power and operating properly.
- **Alarm/Fault LED** - Illuminates when in alarm/fault mode.
- **Alarm Signal Output** - Relay contacts or voltage outputs when in alarm mode.



Where to locate the Gas Detector

The Gas Detector is intended to detect leakage of natural gas, town gas and bottled gas. It is intended for installation in the home, small commercial properties, and recreational vehicles. Installation shall only be undertaken by technicians holding a certificate issued by an authorized distributor.

For detecting natural gas (lighter than air), the alarm should be installed within 30 centimeters below the ceiling and the maximum distance away from the furnace or gas appliances is 8 meters.

For detecting LPG (heavier than air), the alarm should be installed within 30 centimeters above the floor and the maximum distance away from the furnace or gas appliances is 4 meters.

The detector should not be located close to any obstacles preventing natural air circulation. It should also not be located in a draft or close to a cooker (cooking smells and other fumes can have a bad influence on gas detection).

Technical Specifications

Power Source: AC90-270VAC

Power Consumption: <1.5W(Standby), <5W(Alarm)

Sensitivity: LNG 7500ppm (15%LEL)

LPG 2000ppm (10%LEL)

Coal Gas 800ppm (2%LEL)

Audio Alarm: 85dB at 10ft (3meters)

LED: Green, Normal; Red, Alarm;

Relay Output: NO/NC(2A@24VDC)

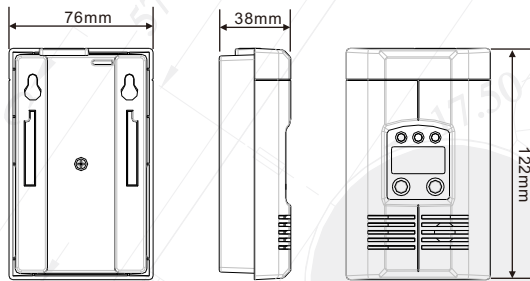
Temperature Range: -10°C to 50°C

Humidity Range: 5%-95% relative humidity (RH)

Size: 76mm Width x 122mm Height x 38mm Depth

Weight: 265g

Installation of Alarm



Ordering Information

Model	Pack Quantity	Dimensions (w x d x h millimetres)	Weight
GA543-A	Individual (1 units)	76x38x122	265g

Distributed by: