DC Powered Wire-In Combustible Gas Detector

Model : GA543

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

Test/Silence/Reset
Tests gas detector circuit operation and allows you to immediately silence or reset the detector

Power/Alarm/Fault LED
Color LED indicates power, alarm and fault

Easy Mounting Base
Allows for installation and perfect alignment

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 and output relay contacts.

The unit is designed for wire-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 base 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 - DC9V-28VDC

- Easy to install, mounting bracket included.

- 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/Silence Button** - Tests the alarm electronics and resets or silence the unit during alarm.

- **Power LED** - Red LED flashes every 5 seconds indicates detector is receiving power and operating properly.

- **Alarm/Fault LED** - Illuminates when in alarm (red) /fault (yellow) mode.

- **Alarm Signal Output** - Relay contacts outputs when in alarm mode.

CE RoHS

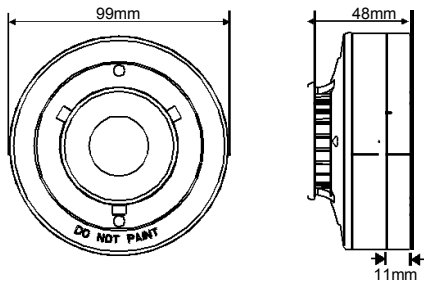## Where to locate the Gas Detector

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).

Installation of Gas Detector

99mm

48mm

11mm

Technical Specifications

Power Source:	DC9-28VDC
Power Consumption:	<3W(Standby), <5W(Alarm)
Sensitivity:	LNG 5000ppm (10%LEL)

Audio Alarm: 85dB at 10ft（3meters）

LED: Red Flash(5s), Normal; Red Stead, Alarm; Yellow, Fault;
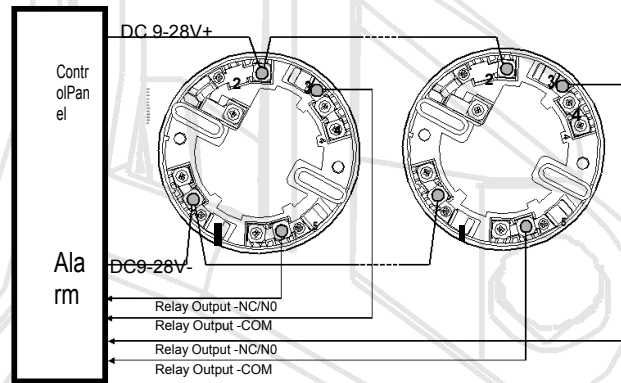
Relay Output: NO/NC(2A@24VDC); default setting is NO

Temperature Range: -10°C to 50°C

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

Size: 99mm Diameter x 48mm Height

Weight: 165g

Relay Outputs Terminal Diagram：

ControlPanel

Alarm

DC 9-28V+

DC9-28V-

Relay Output -NC/N0
Relay Output -COM
Relay Output -NC/N0
Relay Output -COM

Ordering Information

Model	Pack Quantity	Dimensions diameter x height mm	Weight
GA543C	Individual（1 units）	99x48	165g

Distributed by: