

ABOUT PRISM

PRISM GAS EQUIPMENTS is committed to provide all types of Gas Equipments to be used in Residential, Industrial, Onshore, Offshore uses which meet all international Standards.

Our Gas detection systems, Gas meters, Gas Valves and a complete range of products used in gas industry are pioneered through our innovative products, our services and reliability beside our commitment and technical approach.

PRISM products rely heavily on field user feedback to improve and introduce for you the latest products.

At prism, Products are always application-driven and solution-oriented

Whether for a single application, or to encompass multiple rooms and areas, our fixed-point monitoring solutions are developed to meet the individual needs of our customers. In fact, when you contact us for information about our fixed systems, chances are we will ask you a lot more questions than you will ask us:

- What are the type of gases do you need to monitor?
- What are other background gases may be present in the area you are monitoring?
- What is the size of the area being monitored?
- Where do you expect to experience a problem?
- What is the typical air flow direction in the area to be monitored?

At PRISM, application oriented solutions are our Goals for every product we sell. Need the best solution for your application? Our customer Service representatives will take the time to answer all of your questions...and ask the right ones.

GD-P201 Series Gas Leak Alarm



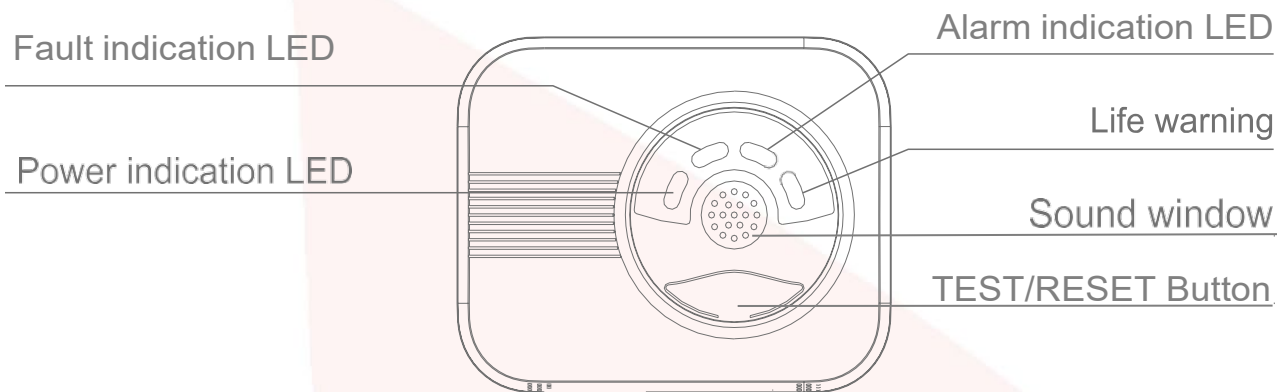
Introduction

GD-P201 Series (New Generation) Gas leak alarm is a kind of wall-hung household gas alarm designed to detect the concentration of combustible and toxic gases or vapors. It provide a visual and audible signals when the gas concentration reaches presetting level, remind you take prompt favorable action , you may start up other link equipment, ventilate gas or shut off gas supply to avoid Fire, explosion, suffocation, and other evil accident. The alarms are available for liquefied petroleum gas (LPG), natural gas (Methane), propane, town gas etc. They are not only installed at home, but also used at any other potentially hazardous areas.

FEATURES

- Sensor lifespan 5-7 years
- High sensitivity and fast response
- Easy installation
- Compliance with EN 50270:2015

FUNCTION AND INDICATION



SPECIFICATION:

Sensor	High sensitivity and fast response	Response time	≤30s Auto-Recover
Detecting gas	Natural gas/LPG	Sampling method	Natural diffusion
Working voltage	AC220V±15% AC110V±15%	Detecting range	0~20%LEL
Consumption	Static power consumption<0.3W,	Alarming point	8% LEL
	Dynamic power consumption<1.2 W	Alarming mode	Visual and audible
Working environment	Temperature: -10°C ~ 55°C	Alarming sound	≥85dB (1m)
	Humidity: ≤93%RH, no dew	Sensor life	5-7 years
	Ambient pressure: 86kPa~106kPa	IP degree	IP30
Rest type	Automatic / Manual	Optional function	<input type="checkbox"/> Gas cut-off valve <input type="checkbox"/> Relay output

Gas Detector Alarm and Fault Matrix:

Gas Presence	Power LED Green	Fault LED Yellow	Alarm LED Red	Sounder	Action to be taken
0% LEL	ON	OFF	OFF	OFF	Normal
~ 10% LEL	ON	OFF	ON	ON	Possible Gas Leak follow emergency procedures
Fault	ON	ON	OFF	OFF	Call for service

Operating Manual

1. Fix gas alarm on the wall or Roof near the gas cooker or other sources within 2 - 3 m interval.
According to gas sources Character, Choose alarm location as follows:
 - LPG: Fix it within 0.3 meters above the ground
 - Natural Gas: Fix it within 0.3 meters below the Roof or Ceiling.
 - Avoid such installation: Near windows with strong wind, Exit areas, wet area, high temp area near oven
2. Connect the Power supply, (If ventilation fan, electromagnetic valve or other auxiliary equipment, required to be connected; then connect corresponding circuit)
Connect with 220V AC power, green LED will start flashing indicating power and WARM-UP, after 60-180 seconds of warm up period detector will be in Normal mode (Detection mode)
3. If the flammable gas in the air reaches the preset alarming concentration, the gas detector enters into alarming status and audio visual alarm will be given, Red Led will be flashing and high pitch buzzer will be activated, at the same time auxiliary relays will be activated thus shutting off any auxiliary devices connected such as solenoid valves, fans etc.

If the yellow (Fault) LED is on, it means the gas detector is faulty, please contact distributor to find solution.

Operating Button:

TEST: during the detectors normal status; press this button, the detector would start self-testing for FAULT.

Notification:

1. **When any of the following conditions appears; the device may switch to ALARM status:**
 - Smoking in the area for a long period or a great deal smoke has been concentrated in the area caused by other reasons.
 - Drinking alcohol in the area for a long period or a great deal of alcohol has been concentrated in the area caused by other reasons.
 - Using perfume or volatile organic compound such as gasoline, paint, etc... in the area for a long period
2. **Do not test this device with gas concentration unlabeled by yourself, this does not only decrease gas expectancy, but also is very dangerous to you and your family.**
3. **This device can't be stored or used in any area contains a corrosive gas (such as Cl_2 , etc...).**