

## GE Series Gas Detector with Battery Backup Design

### Introduction

GE series 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, Hydrogen, town gas, smoke, etc. They are not only installed at home, but also used at any other potentially hazardous areas.

MCU control, Reliable without false alarming

Locale sound and light alarming , Drive Long-distance Alarming System

Ventilate good air circulation or shut off gas supply link equipment



### Technical Conditions

Operating Voltage : AC220 ± 10% / AC110v ± 10% or DC12V

Power Consumption : 3W Size

Operating Time : - 10 ~ 50

Hum : < 95%RH

Model	Detecting Gas	Response time	Alarming Preset Level (Optional)
GE - 201	LPG	20S	10%LEL ± 30%
GE - 221	Combustible gas	20S	10%LEL ± 10%
GE - 401	Natural Gas	20S	5000ppm CH <sub>4</sub> ± 30%
GE - 601	Combustible gas	20S	2000ppm LPG ± 30%
GE - 501	Coal Gas	20S	1000ppm Coal Gas ± 30%
GE - 701	CO	2.5min	150ppm CO ± 30%
GE - 801	Hydrogen	20S	1000ppm H <sub>2</sub> ± 30%
GE - 901	CO+Combustible gas	2.5min	150ppm CO/1000ppmLPG ± 30%
Automatic Resume			Can be specified

Optional Function: Gas Shut Off VALVE Output pulse 10Hz DC8V/Max200mA, When alarming appears;

Relay Output N.O Max AC220V 3A

Battery Backup 4 hours lasting without other power supply

### Operating Manual

1、Fix gas alarm on the wall or Roof near the gas cooker or other sources within 2-4m interval. according to gas sources Character, Choose alarm location as follows:

- LPG : Fix it within 0.3 meters above the ground (LPG is heavier than Air)
- Coal Gas, Natural Gas : Fix it within 0.3 meters below the Roof ( Combustible gas is lighter than Air)
- Avoid such installation : Windows with strong wind, Exit, water fog and drop place ; easy polluted or high tem environment near Oven, covering around.

2、Connect the Power supply, (If need ventilate fan, electrovalve other link equipment, please connect corresponding circuit firstly.) Preheat the alarm 1 min, the alarm without detecting function.1 MIN later, the alarm enter into detecting status.

3、If the flammable gas in the air reaches the preset alarming concentration, the alarm enter into alarming status, the Alarm red LED light or flash, the buzzer give sound alarming, drive the relay or valve shut off gas supply, If the alarm connect the ventilation fan or other relative electronics, it also open automatically, ; At the same time, please cut off gas supply promptly, open the window, ask professional worker to remove the fault, The alarm with gas cut off valve type shall output one close pulse signal.

In the interest of continued product improvement, we reserve the right to change design features without prior notice

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