

## Description

C-9602LW is designed to sound an alarm when combustible gas in the air reaches certain level but still far away from of its Lower Explosive Limit (LEL). The detector may detect the common combustible gas such as natural gas (methane, NGV), liquefied petroleum gas (propane, LPG) and coal gas (carbon monoxide, CO). When the concentration of the gas at the sensor of detector exceeds the threshold, the detector will activate its audible alarm, visual indicator as well as its outputs. The detector will reset automatically once the gas concentration is lower the alarm level.

The detector adopts gas-sensitive semiconductor components for each specific gas. Each type of detector sensor will only detect the designed gas specified on its nameplate.

**Note:** The gas type must be specified when you order the detector.

C-9602LW utilizes a buzzer for alarm. It beeps quickly for while the gas concentration exceeds alarm threshold; and sounds continuously for sensor fault.

A LED is used to indicate its states: normal: flashing slowly (once per 4s); alarm: flashing quickly (once per 0.5s).

C-9602LW has two types of output.

12Vdc pulse output at terminals V1 and V2, can be used to drive solenoid valve directly.

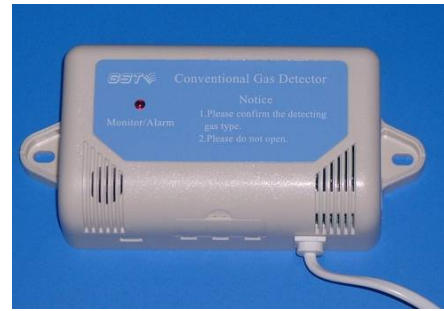
Passive normal open contact at terminals K1 and K2, can be used to drive other device or wired to GST conventional fire alarm panel.

The life time of the sensor in detector is 5 year. It shall be replaced once the detector reaches its life time.

## Application

C-9602LW may be used in kitchen, factory and laboratory where the gas leak may be expected.

- Mount gas detector for free flow of air into front and out the back.
- Use one detector per 6 x 6 m room.
- Mount alarm unit near gas appliances.
- Mounting Heights: Natural gas: 10 cm from the ceiling. LPG gas: 10 cm from the floor.



**C-9603LW**

## Specifications

- Operating voltage (Vac) 220
- Power consumption (W) <5
- Sensitivity**
  - Liquefied Petroleum Gas (NPG) 3000ppm (14% LEL)
  - Natural Gas (NGV) 5500ppm (11% LEL)
  - Coal Gas (CO) 600ppm (1.5% LEL)
  - Life time of sensor 5 years
- Indication**
  - LED when normal flash once per 4s
  - LED when alarm flash once per 0.5s
  - Buzzer when alarm intermittent beeping
  - Buzzer when sensor faulty constant beeping
  - Buzzer sound level (dB) 75
- Output**
  - V1/V2: single pulse, discharging by 1000µF capacitor 12Vdc
  - Output delay time about 10s
  - K1/K2: passive N.O. contact 1A, 220Vac
- Operating temperature -10°C ~ +50°C
- Max operating humidity ≤95%
- Enclosure IP rating IP 30
- Weight (g) 420
- Color ivory white
- Material of closure ABS
- Height (mm) 80
- Width (mm) 176
- Depth (mm) 45
- Mounting hole distance (mm) 156