Conventional
Gas Detector
C-9602LW

Description

C9602LW Gas Detector is suitable to detect liquefied petroleum gas in such areas as houses, hotels and apartments. This detector is available for different application such as LPG, Natural Gas and Coal gas. (Please specify at the time of order).

The detector adopts semiconductor gas-sensitive components enabling stable operation and simple installation. It's powered by AC 220V.
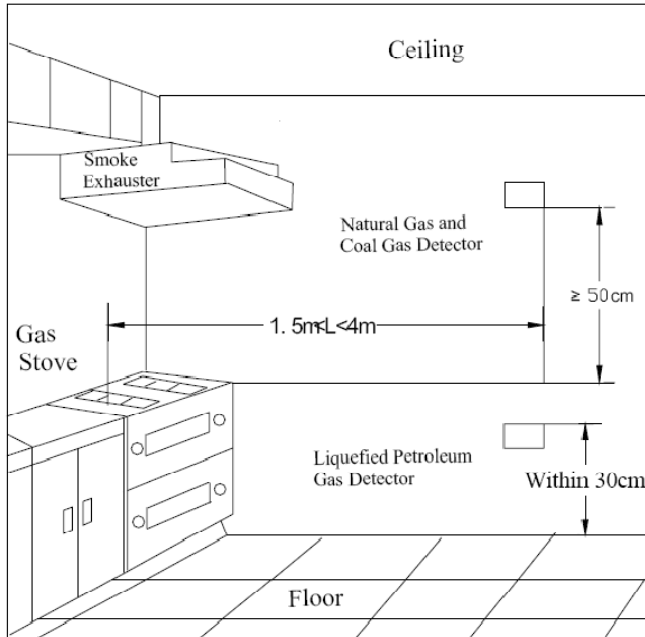
Features and Benefits

- Standalone Gas detector
- Available for LPG, Natural Gas and Coal gas.
- Self-diagnosis function can monitor the inner fault.
- Built-in relay contacts for control Gas Valve/Extract etc.
- Built-in Sounder
- Manual reset and control of relays contact.
- Wall mounting. Easy installation and connection.
- 220 VAC supply

Technical Specifications

- Operating Voltage: AC187V～AC250V
- Power Consumption: Monitoring State≤4W
  Alarming State≤5W
- Output Capacity and Control Mode: Active Contact: Applicable to 12V one-way DC pulse solenoid valve, driving ability: 1000μF capacitance discharge.
- Passive Contact: Passive, normally open contact, capacitance 220V/1A, for controlling connected devices.
- Alarm Density: Natural Gas: 5500ppm (11%LEL)
  Coal Gas: 600ppm (1.5%LEL)
  Liquefied Petroleum Gas: 2800ppm (14%LEL)
- Indicators: Power: Green; Alarm: Red; Fault: Yellow
- Warm-up state: Green LED flashes at a frequency of 1Hz. After warm-up, the green, red and yellow LEDs will flash once in turn and the buzzer will sound, showing the detector enters monitoring state.
- Monitoring State: Green LED lights normally.
- Alarming State: Red LED flashes at a frequency of 2Hz, and green LED lights normally.
- Fault State: Green and yellow LED lights normally.
- Buzzer: frequency of 2Hz during alarming, and 0.3Hz in fault.
- Self Test: Press "Self-Test" during warm-up and monitoring state, the three LEDs will flashes in turn and the buzzer sounds three times.
- Life of Sensor: 3-5 years from manufacture date
- Operating Environment: Temperature: 0ºC~ +50 ºC
- Relative Humidity≤95%, no condensation
- Dimension: 176mm×80mm×45mm
- Degree of Protection of Enclosure: IP30
- Material and Color of Enclosure: ABS, ivory white
- Weight: 400g
- Mounting Hole Distance: 156mm

Global System Technology PLC
www.gst.uk.com

D A T A   S H E E T
Note: Specifications are subject to change without notice.
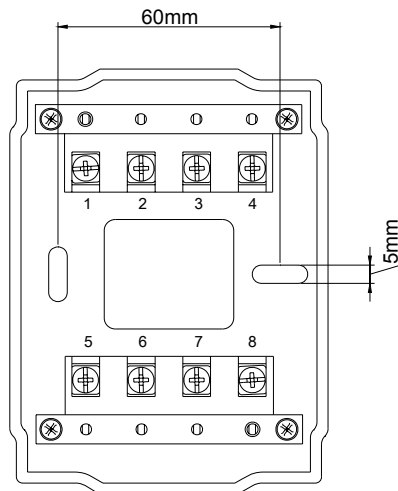
Mounting Gas Detector

The installation of gas detector should comply with all local codes and / or NFPA 72 National Fire Alarm Code, NFPA 70 National Electrical Code. Designed to install onto standard conduit electrical box (70mmx70mm). Recommended location of the detector is show below.

Wiring and Connection

Connect the wires to the required terminal according to the wire diagram. K1, K2: Normally open passive contact, which will be closed when the detector alarms.

V (+), V (-): Connects with pipe solenoid. If the detector had alarmed for 3 to 7 seconds, there would be a delayed forward 12V pulse voltage between V(+) and V(-).

Selection of Compatible Control Panel

Compatible with all GST Conventional Control Panels.

Ordering Information

Part Number: I-9602LW/LPG
Description: Addressable LPG Gas Detector
Pack Qty. per Box: 100

Part Number: I-9602LW/NG
Description: Addressable Natural Gas Detector
Pack Qty. per Box: 100

Part Number: I-9602LW/CG
Description: Addressable Coal Gas Detector
Pack Qty. per Box: 100

Global System Technology PLC
www.gst.uk.com

D A T A   S H E E T
Note: Specifications are subject to change without notice.