



## Features

- Front mounted detector has unique splash guard and dust filter
- IP Rated seals fitted between the front and rear housing
- Can be surface mounted using external mounting feet Possible to first fit during building work
- Loud Audible Alarms
- Clear Visual Alarms
- Sensor housing is sealed from the electronics housing blocking flammable gas
- Standard 2 Gang Fixing Allowing Flush Mounting Using Standard Patress During Building
- 20mm Cable Entry Knockouts Centred to Allow Easy Drilling For Smaller Entry Holes
- All Models have a 'link' function. Once linked if one GLF-GDW into alarm then all linked units go into alarm

The GLF-GDW High Performance Gas Detector is used to detect Liquefied Petroleum Gas (LPG). GLF-GDW finds applications in domestic gas safety, commercial kitchens, schools, colleges and many more. LIFECO's GLF-GDW has its own internal alarm sounders and clear visual alarm LED's.

## General Information

The GLF-GDW is pre-calibrated for its indicated target gas, usually LPG. The GLF-GDW will respond to any flammable gas to a greater or lesser degree. The following list indicates typical materials that may be commonly present which the unit may respond to in operation:

- Aerosol Propellants (Butane)
- Paint Solvents (VOC's)
- Hot Cooking Oils
- Nail Varnish
- Solvent Based Adhesives (VOC's)

Some commonly occurring substances may cause long term detector damage, typically:

- Silicones (furniture polishes)
- Hair sprays (Silicones, VOC's etc)
- Chlorinated Cleaning Agents

## Alarm Indications

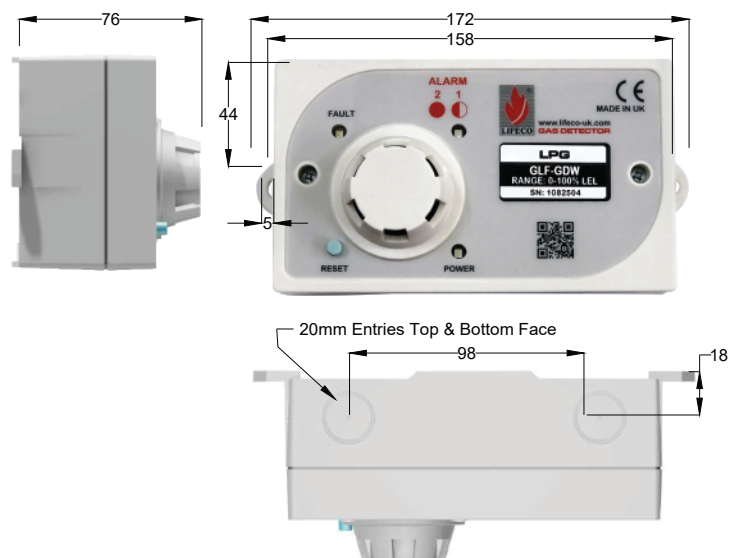
	Alarm Level 1 relay	Sounder	Power LED	Fault LED	Alarm LED
<b>FOLLOW EMERGENCY ACTIONS</b>	Alarm 1 ~10% LEL	✓	☀		☀
	Alarm 2 ~20% LEL	✓	☀		☀
	Normal		☀		
	Fault			☀	☀
			No Power LED		
<b>CALL FOR SERVICE</b>					

Note that the power LED will flash during warm up for 1 minute.

## Technical Specifications

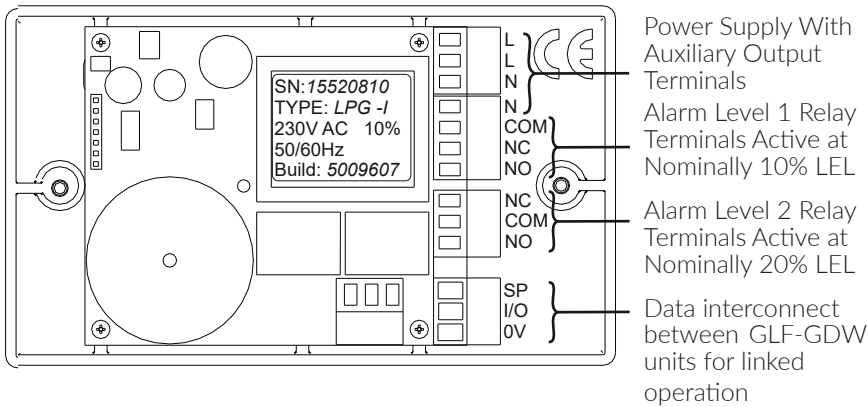
Supply Voltage	230V AC 50/60Hz
Control Relay	2 Relay Changeover Contacts 4A @ 230V AC; 4A @ 28V DC
Interfacing	Up to 6 Units Interlinked For Network Operation
Protection Category	IP55
Insulation	Class II <input checked="" type="checkbox"/>
Installation	Wall-mounting twin gang patress box
Environment of Application	Residential/Light Commercial
Operating Temperature	0 - 55 Deg C
Operating Humidity	0-90% RH Non Condensing
Types of Gas Detected	LPG, Butane, Propane
Alarm Level	Warning 10%, Alarm 20% LEL
Sensor Warm up Time	Typically 1 Minute
Reference Standards	LVD EN 60335-1, EMC EN 50270 Gas Alarms EN 50194 Ingress Protection EN 60529

## Physical Details



## Installation requirements

### Terminal Functions



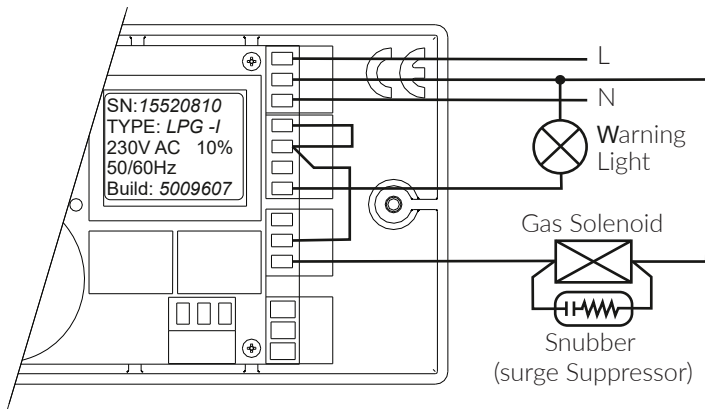
### **! Warning !**

Installation of this device to the mains power supply should only be made by a competent person. The unit is supplied pre-calibrated but should be checked regularly, at least monthly using the test feature. Clean only with a damp cloth do not use any cleaning products



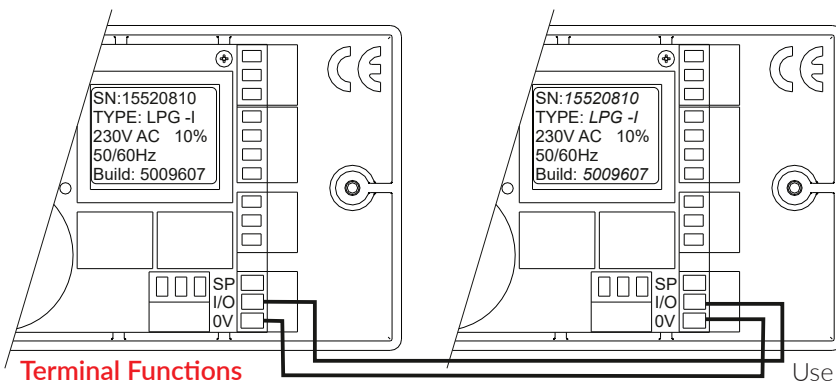
Do not tamper with this equipment to do so may risk electric shock or incorrect operation

## Typical Operation



Example shows a GLF-GDW Wired to a gas supply solenoid valve and warning light. The warning light is active in this example when the first alarm level is reached (10%) and the gas solenoid is de-activated when the second alarm level is reached (20%). Note in this example a surge suppressor is fitted to the gas solenoid to extend the life of the relay. For DC solenoids a diode could be fitted. Any such installation must comply with the national regulations in force in the country.

## Link Function



Up to 6 GLF-GDW can be linked together using the I/O and 0V terminals. When linked the GLF-GDW units have common alarm and common reset function.

### Terminal Functions

Use minimum 0.75mm<sup>2</sup> Cable