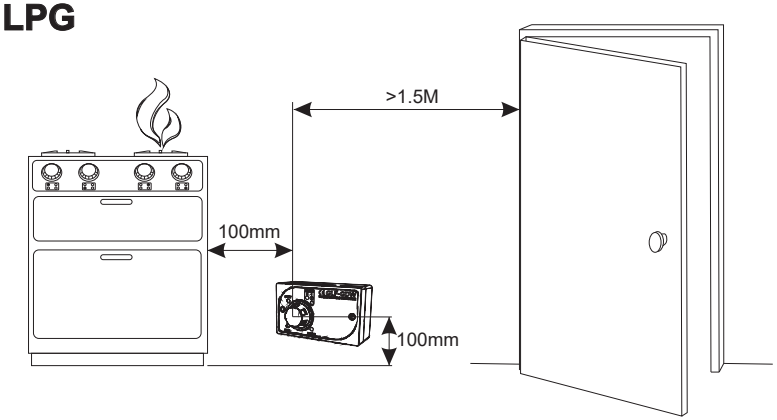
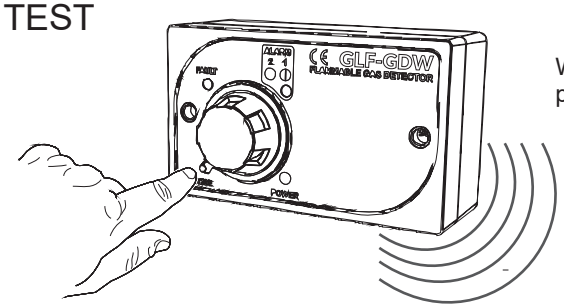
INSTALLATION & OPERATION GUIDE
LPG GAS DETECTOR
MODEL: GLF-GDW

LOCATING THE DETECTOR

LPG

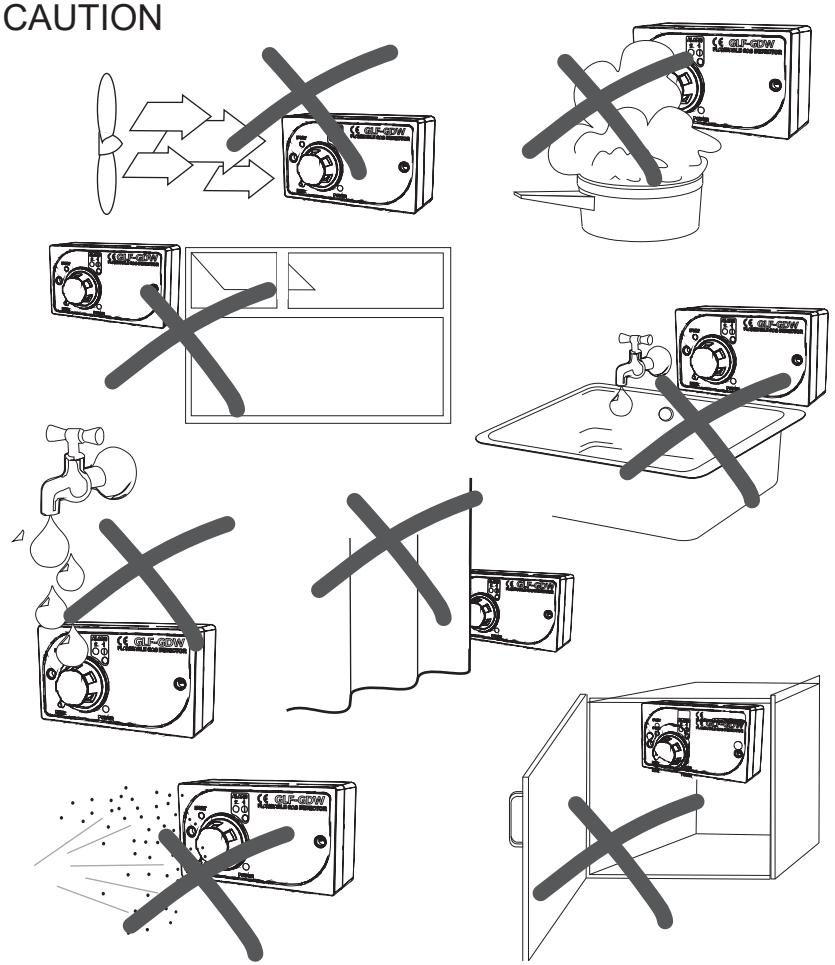


TEST



With no alarms press for 5s to test

CAUTION



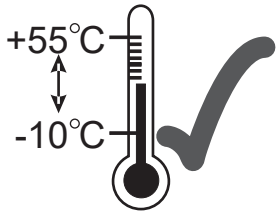
Information

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:

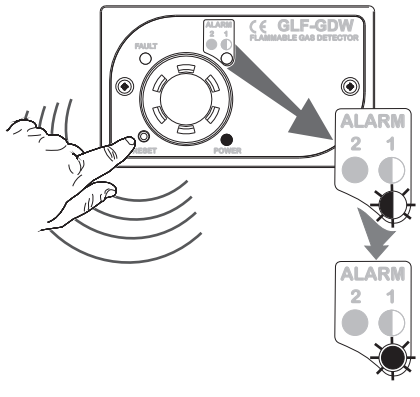
Aerosol Propellants (Butane)
Paint Solvents (VOC's)
Hot Cooking Oils
Nail Varnish
Solvent Based Adhesives (VOC's)

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

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



OPERATION



Alarms are active until reset by pressing reset button.

You cannot reset the unit if gas is still present

		Alarm Level 1 relay	Alarm Level 2 relay	Sounder	Power LED	Fault LED	Alarm LED
FOLLOW EMERGENCY ACTIONS	Alarm 1 ~10% LEL	✓		✓	☀		◐
	Alarm 2 ~20% LEL	✓	✓	✓	☀		☀
	Normal				☀		
	Fault				☀	☀	
						CALL FOR SERVICE	

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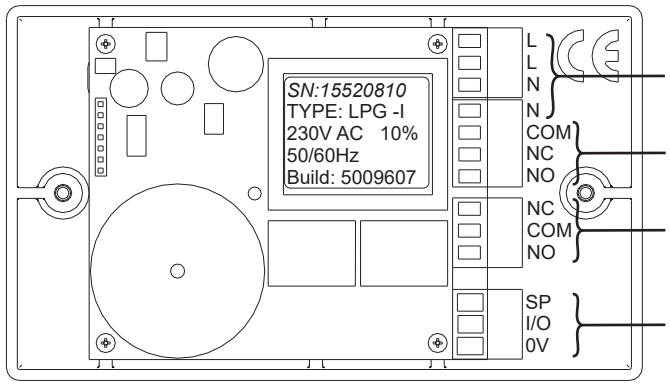
GLF-GDW LPG GAS DETECTOR

Power Supply:	230V AC+/-10% 50/60Hz 4W ⧈
Environmental:	-10 to +55 Degrees Centigrade, 0-95%RH Non-condensing Terminal Enclosure IP54 Cable Glands Must be used
Environment of Application:	Residential/Light Commercial
Response Time:	<30 Seconds
Nominal Alarm Levels:	Alarm 1 10% LEL Alarm Level 1 Relay Active SPCO 4A @ 230V AC; 4A @28V DC Non inductive Alarm 2 20% LEL Alarm Level 2 Relay Active SPCO 4A @ 230V AC; 4A @ 28V DC Non inductive
Interfacing:	Up to 6 Units Interlinked for Network Operation
Expected Life:	5 Years, no user replaceable parts
Target Gas:	LPG-I (Integral Sensor)
Service:	This equipment must only be serviced by competent persons and checked periodically using traceable calibration gases. Do not test using lighter fuel or similar fuel gases as this can give misleading results. In extreme cases this can result in sensor damage.
Standards Applied:	EN50194-1:2009 Type A Equipment EN60335-1:2002 EN50270, Ingress Protection EN 60529
Cabling:	When using stranded cable fit bootlace ferrules to Prevent stray wire strands shorting

Terminal Functions



Power Supply With Auxiliary Output Terminals

Alarm Level 1 Relay Terminals Active at Nominally 10% LEL

Alarm Level 2 Relay Terminals Active at Nominally 20% LEL

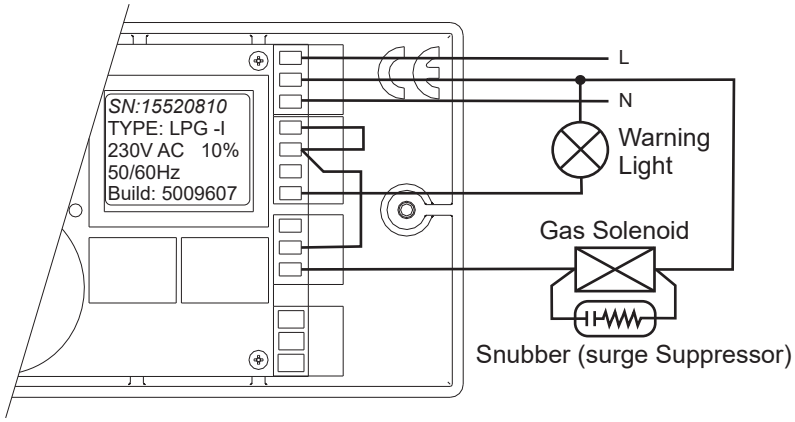
Data interconnect between GLF-GDW units for linked operation

! 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

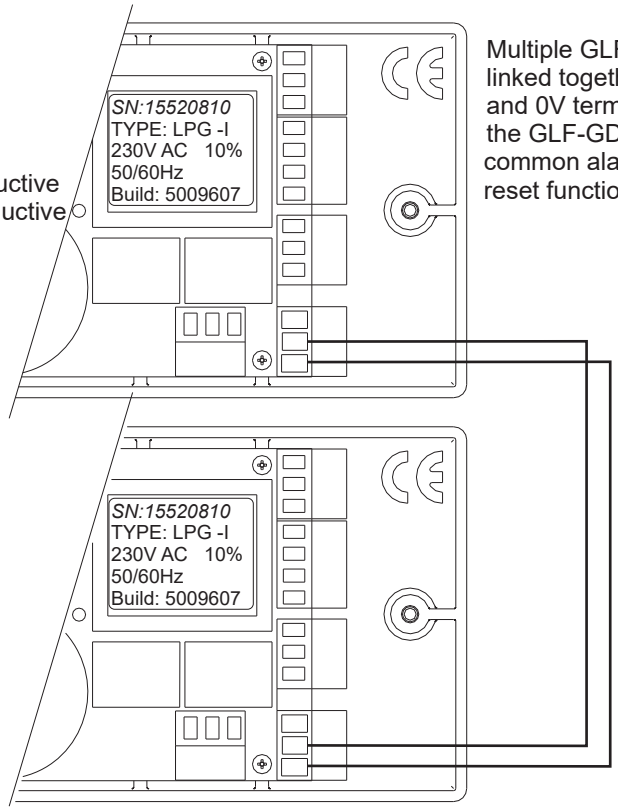
Do no tamper with this equipment to do so may risk electric shock or incorrect operation

Typical Stand Alone 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 deactivated 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.

Linked Operation



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

Emergency actions

If the GLF-GDW initiates an alarm signal or there is a smell of gas, keep calm and carry out the following actions, not necessarily in this order.

- Extinguish all naked flames, including all smoking material.
- Turn off all gas appliances.
- Do not switch on or off any electrical equipment; including gas detection apparatus.
- Turn off the gas supply at the gas main control and/or, with a LPG supply, the storage tank.
- Open doors and windows to increase ventilation.
- Do not use a telephone in the building where the presence of gas is suspected.

If the alarm continues to operate, even after an alarm resetting action, where appropriate, and the cause of the leak is not apparent and/or cannot be corrected, vacate the premises and IMMEDIATELY NOTIFY the gas supplier and/or the gas emergency 24 hour service in order that the installation may be tested and made safe and any necessary repair carried out.

If the alarm can be reset and the reason for the alarm having operated is identified, (for example a gas tap switched on with the burner unlit), after stopping the gas release and ensuring all appliances are turned off, the main gas supply may be reinstated.

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