



Natural Gas & LPG

can cause devastating explosions!

5 YEAR LIFE

Conforms to EN50194:2000

4-safety sake - protect yourself and your family by installing gas detectors.

Fitting Natural Gas and/or LPG detectors will provide an early warning of a gas leak enabling corrective action to be taken thus preventing a gas explosion.

QUALITY FEATURES

- Natural Gas & LPG Versions
- Most advanced sensor technology
- Simple to install
- Tamper Proof
- No Maintenance
- Supplied with relay
- Conforms to EN50194
- Audible & Visual alarms
- Suitable for home
- Suitable for leisure - Caravans / Mobile Homes etc.
- 5 Year Life
- Manufactured in EU



What is Natural Gas and Liquefied Petroleum Gas (LPG)?

Natural Gas (Methane) and Liquefied Petroleum Gas (Butane or Propane) or LPG as it is commonly known are the most widely used sources of energy for cooking and heating in the home, as well as for leisure use including caravans and boats.

Used correctly and with properly installed and maintained appliances, they are also one of the safest. Unfortunately, however, accidents can happen. Natural Gas and LPG leaks can cause devastating explosions, which, every year, kill and injure many people.

SPECIFICATIONS

	NATURAL GAS	LPG
Model	4GMR - NG	4GMR - LPG
Alarm level	3 to 30% LEL	3 to 30% LEL
Preset alarm threshold	10 % LEL (0.5% Vol)	10 % LEL (0.5% Vol)
Alarm Sound level	85 Decibels (dB) at 1m	
Warm up time	3 mins	
Time to alarm	< 10s	
Indicators	Power on Alarm Fault	- Green light - Red light - Amber light
Operating Voltage	230V 50/60HZ	
Power Consumption	< 11W (in alarm)	
Current Consumption	50 mA	
Relay Contacts rating	16 A at 230V ac	
Operating temperature	-10° to +45°C	
Storage temperature	-20° to +60°C	
Relative humidity	15 to 90 % RH Non Condensing	
IP rating	IP42	
Weight	370g (approx)	
Dimensions	75mm x 155mm x 42mm	
Guarantee	1 Year	
Operating life Expectancy	5 Years	

In most cases, these incidents could easily have been avoided if simple to use and cost effective gas detection equipment had been installed. Units currently available range from simple audible and visual warning alarms to more comprehensive systems which can enable the shut down of appliances via automatic gas shut off valves and/or connection to a central control panel / Building Management System.

Due to Sensotec 4-Warn's commitment to Research, Development & Product improvement, specifications may be subject to amendment without prior notice

4-warn...4-safety...4-life

4-WARNED IS 4-ARMED...

4-SAFETY SAKE FIT GAS ALARMS

GAS ALARMS SAVE LIVES

WHEN CAN GAS BECOME DANGEROUS?

When combustible gas is detected, its concentration is measured as a percentage of the lower explosive limit (LEL). The new European standard for Domestic Gas Detectors, EN50194, which has superseded the old British Standard BS7348, specifies that gas detectors should be triggered within 3% and 30% of the LEL. A detector will therefore provide sufficient warning well below the concentration of gas needed to be explosively dangerous (100% LEL) without providing an unacceptable level of false alarms.

A strong smell of gas can be noticed when the concentration is only 0.5% to 1% LEL because gas suppliers add a harmless but strong smelling chemical to the gas. Despite this strong smell the gas level is not dangerous and therefore an alarm conforming to EN50194 will not sound.

However, the elderly can be more susceptible to the dangers of a gas leak as they may lose their sense of smell and be unable to detect the strong smelling agent that the gas companies have added. If this occurs, then gas can build up to a dangerous level resulting in the possibility of an explosion.

WHAT CAN I DO TO PROTECT MYSELF?

- Always ensure that your appliances are regularly serviced by a qualified CORGI registered gas engineer. This will reduce the chance of a gas leak but will not eliminate it as problems can occur between service dates
- For added peace of mind, it is highly recommended that an alarm conforming to EN50194 be installed

SELECTING A GAS DETECTOR

The following simple guidelines should be applied when selecting a gas detector:

- Always purchase a gas detector for Natural Gas / LPG that conforms to EN50194
- Always purchase a detector that is intended and clearly marked for the gas you wish to detect
- Always ensure that the detector contains clear instructions on how it is to be mounted
- Read the instructions on what to do if the alarm sounds and keep them accessible
- Always seek expert help on installation and use of the gas detector - it could save lives

Whichever detector is chosen, it must be stressed that it is not a replacement for regular maintenance and servicing of appliances

WHERE SHOULD A GAS DETECTOR BE LOCATED?

LPG is heavier than air and tends to sink whilst Natural Gas is lighter than air and tends to float upwards.

- LPG Detectors should therefore be placed on the wall not more than 30cm from the floor and not more than 4 metres from the gas appliance.
- Natural Gas Detectors should be placed on the wall not more than 30cm from the ceiling and not more than 5 metres from the gas appliance.
- Gas detectors should not be mounted outside, in an enclosed space (e.g. inside a cupboard or behind a curtain), directly above a sink or a cooker, next to a window, door or extractor fan, in damp or humid areas or where they are likely to be knocked or damaged.

WHAT ACTION SHOULD BE TAKEN IF A GAS ALARM IS ACTIVATED?

Keep calm and carry out the following actions, not necessarily in the order given:

- Extinguish all naked flames, including all smoking material
- Do not switch on or off any electrical equipment, including the gas detection apparatus
- Turn off the gas supply at the gas main control and/or (with an LPG supply) the storage tank.
- Open doors and windows to increase ventilation and disperse gas
- Do not use a telephone in the building where the presence of gas is suspected
- If the alarm continues to sound and the leak cannot be isolated, vacate the premises and IMMEDIATELY INFORM the gas supplier and/or the gas emergency 24 hr service in order that the installation may be tested and made safe, and any necessary repair carried out.

YOU'RE IN GOOD COMPANY... YOU'RE IN SAFE HANDS!

Sensotec 4-Warn Limited is a leading European manufacturer and distributor of Fire, Safety and heating products including Carbon Monoxide & Smoke Alarms.



INTERNATIONAL HQ:

Sensotec 4-Warn Ltd

Enterprise Park

Bala, Gwynedd, LL23 7NL

United Kingdom

Tel: +44 (0) 8700 711 444

Fax: +44 (0) 8700 722 444

Website: www.4-warn.com

E-mail: sales@4-warn.com