WG200-LC-V - LPG & CO Gas Alarm/Control System for Boats

Product Quick Links

WG100-L
WG200-LL
WG300-LLL

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WG300-LLC

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WG200-LC-V
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WG100-P
WG200-PP
WG200-LP
WG300-LPC

VAL-12V-RP
VAL-24V-RP

WG200-LC-V LPG & Carbon Monoxide gas control system

WG200-LC-V - 2 Sensor LPG & CO Gas Control System
£340.75 *inc VAT*

features unique **Waterproof Gas Sensor**

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Additional Level of Safety

The Gas Control Systems from Nereus Alarms provide an additional level of safety. The push button on the control panel is used to control an electrically operated gas shut-off valve (also known as a solenoid valve). In this way the gas can easily be turned on when required and shut off at other times. In the event of an alarm (either LPG or carbon monoxide) the shut-off valve is automatically closed cutting the flow of gas and preventing a dangerous build up. After the alarm condition has cleared the shut-off valve remains closed until it is manually reopened by pushing the button on the control panel. This ensures that gas is not supplied to unlit burners which may still be open. As an extra safety feature, the solenoid valve also needs to be manually reopened (using the push button on the control panel) following a power failure. Please note that solenoid valves are not supplied as part of the Gas Control Systems and need to be purchased separately (Click **here** to see valves available from Nereus Alarms).

The Need for a Gas Alarm

A leak of LPG (LP Gas) can result from any number of situations such as split or perished flexible hoses, chaffing pipes, leaking joints, poorly installed appliances, cracked cylinder lockers, loose cylinder regulators or unlit burners. Being heavier than air, LPG will sink and collect in the bilge or any available compartment. A naked flame, electrical spark or hot exhaust is all that is required to cause an explosion.

The Usual Problem - Water Damaged Sensors

Traditional LPG sensors mounted in any wet area (eg bilge, cylinder locker, galley) are prone to water damage. Once wet, these sensors are permanently damaged and often give a continuous false alarm. Not knowing whether the alarm is due to a gas leak or damaged sensor, the crew are left unsure how to act. Apart from the inconvenience, this results in an expensive repair and a period without protection.

The Solution - Unique Waterproof Sensor

To overcome this problem, Nereus Alarms has developed a unique waterproof sensor which is used in their WG range of alarm systems. These remarkable sensors will survive both splashing water and total immersion and are the only ones of their type on the market.

Whether you use your boat for business or pleasure, you will benefit from reliable protection without the trouble or dangers of water damaged sensors.

Carbon Moxoxide Sensor

Carbon monoxide (CO) is a poisonous gas given off when fuels such as LPG, petrol, wood or charcoal are burnt. A faulty appliance or adverse weather conditions can quickly result in a dangerous buildup. With no taste or smell, an alarm system with an electronic carbon monoxide sensor is the only reliable way to detect and warn of this potentially fatal gas.

Other Features

The alarm systems are small, neat and stylish. They are easy to install (either flush or surface mounted), simple to use and require no maintenance. Lights on the control panel indicate power, fault (eg damaged wire to sensor) and alarm conditions. All models have an internal alarm buzzer, an output to drive additional remote sirens and a separate alarm relay output.

Fast Response & Low Power

The latest technology sensors combine fast response and high performance with very low power consumption.

Specification	
Model WG200-LC-V	LPG & CO gas control system
LPG alarm sensitivity	~10% LEL (lower explosive limit)
Carbon monoxide alarm sensitivity	50ppm within 60 to 90 minutes; 100ppm within 10 to 40 minutes; 300ppm within 3 minutes (ppm = parts per million)
Operating voltage	12/24V (10 to 32 Vdc)
Current consumption	80mA (normal operation), 140mA (alarm)
Temperature range	-20°C to +40°C
Auxiliary buzzer output	300mA at supply voltage
Alarm relay output	SPCO, 1A contact rating
Control panel size	96x60x26mm (surface mounted), 96x60x5mm (flush mounted)
Sensor size	35x35x26mm (surface mounted), 35x35x5mm (flush mounted)
Output drive for gas solenoid valve	Up to 2.5A at supply voltage

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User Manual WG200-LC-V >>>

Installation Instructions >>>

Stickers >>>

Wiring Diagram >>>

LPG Information >>>

CO Information >>>

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