



Nereus Alarms Ltd


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WG300-LPC - LPG, Petrol Vapour & CO Alarm for Boats

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WG300-LP LPG, Petrol Vapour & Carbon Monoxide alarm system

features unique
**Waterproof
Gas Sensor**

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**WG300-LPC - 3 Sensor
LPG, PV & CO Alarm
System £402.00 inc VAT**

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A Complete Range of Alarms

Nereus Alarms offer a range of alarm systems for detecting LPG, petrol vapour and carbon monoxide. Designed specifically for use on boats and RIBs, these systems use modern electronics and design techniques to provide unrivalled protection.

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 Need for a Petrol Vapour Alarm

Petrol vapour is often used as a fuel for inboard and outboard engines of boats, tenders and RIBs. Petrol is very volatile and easily ignited. A small leak of petrol can therefore quickly lead to a very dangerous situation. If the petrol vapour is allowed to build up in a confined space and ignition occurs an explosion will result.

The Usual Problem - Water Damaged Sensors

Traditional LPG and petrol vapour sensors mounted in any wet area 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 an LPG/ petrol 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 WG300-LPC	LPG, Petrol Vapour & CO sensors
LPG alarm sensitivity	~10% LEL (lower explosive limit)
Petrol vapour 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	180mA (normal operation), 240mA (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)

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