

Gas & Petrol Vapour Alarms for Boats

CE



LPG
Petrol Vapour
Carbon Monoxide



● A Complete Range of Alarms

Nereus Alarms offers a complete range of alarm systems for detecting LPG (butane/propane), Petrol Vapour and Carbon Monoxide (CO). Designed specifically for use on boats, these alarms use modern electronics and design techniques to give you the reliability you need. A range of models are available with 1 to 3 sensors and a gas control option.

● LPG Sensors

Being heavier than air, any leaks of LPG (butane/propane) will sink and can collect from the bilge upwards. A naked flame or a spark from an engine or switch is all that is required to cause an explosion.

● Petrol Vapour Sensors

Any petrol on-board has the potential to leak and form an explosive mixture. This is particularly the case with outboard engines and petrol powered tenders.

● Carbon Monoxide Sensors

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

● The Usual Problem - Water Damaged Sensors

A sensor mounted in any wet area is prone to water damage (especially an LPG or Petrol Vapour sensor mounted low in the bilge). Once wet, traditional sensors are permanently damaged and give a continuous false alarm. Apart from the inconvenience, this results in an expensive repair and a period without protection.

● The Solution - Unique Waterproof Sensors

To overcome this problem, Nereus Alarms has developed **unique** waterproof sensors. These remarkable sensors survive both splashing 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 hassle or dangers of water damaged sensors.

● Other Features

The alarms are small, neat, stylish, easy to install (flush or surface mounted), simple to use and require no maintenance. Lights on the control unit indicate power and alarm conditions. All models operate from 12 or 24V, have an internal alarm buzzer, external buzzer drive and an alarm relay output.

● Intelligent Gas Control

The -V models provide a simple and safe system for using LPG on-board. A push button on the control panel turns the gas on and off as required. If a leak is detected the gas is immediately shut down.

Specification

Sensors Available:	LPG (Butane & Propane) Petrol Vapour Carbon Monoxide (CO)
Alarm Sensitivity:	~10% LEL LPG/Petrol Vapour (LEL = Lower Explosive Limit) 50ppm/100ppm/300ppm CO
Operating Voltage:	12/24 Vdc (10 to 32 Vdc)
Current Consumption:	50 to 200mA (Depends on model & supply voltage)
Temp. Range:	-20°C to +40°C
Alarm Relay:	SPCO, 1A contact rating
Control Panel Size:	96x59x26 mm
Sensor Size:	35x35x26 mm

Specification subject to change without notice



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Models Numbers

Gas & Petrol Vapour Alarm Systems

Model No	Description	Sensor 1	Sensor 2	Sensor 3
WG100-L	Single sensor gas alarm system	LPG	X	X
WG200-LL	2 sensor gas alarm system	LPG	LPG	X
WG300-LLL	3 sensor gas alarm system	LPG	LPG	LPG
WG200-LC	2 sensor gas alarm system	LPG	Carbon Monoxide	X
WG300-LLC	3 sensor gas alarm system	LPG	LPG	Carbon Monoxide
WG100-P	Single sensor petrol vapour alarm system	Petrol Vapour	X	X
WG200-PP	2 sensor petrol vapour alarm system	Petrol Vapour	Petrol Vapour	X
WG200-LP	2 sensor gas alarm system	LPG	Petrol Vapour	X
WG300-LPC	3 sensor gas alarm system	LPG	Petrol Vapour	Carbon Monoxide

Combined Gas Alarm & Gas Control Systems

Model No	Description	Sensor 1	Sensor 2	Sensor 3
WG100-L-V	Single sensor gas alarm system with valve control	LPG	X	X
WG200-LL-V	2 sensor gas alarm system with valve control	LPG	LPG	X
WG300-LLL-V	3 sensor gas alarm system with valve control	LPG	LPG	LPG
WG200-LC-V	2 sensor gas alarm system with valve control	LPG	Carbon Monoxide	X
WG300-LLC-V	3 sensor gas alarm system with valve control	LPG	LPG	Carbon Monoxide
VAL-12V-RP	Gas solenoid valve, 12V, 0.3A, Reduced Power			
VAL-24V-RP	Gas solenoid valve, 24V, 0.15A, Reduced Power			



LPG Sensor



Petrol Vapour Sensor



Carbon Monoxide Sensor



WG300-LLC-V Control Panel



Gas Solenoid Valve



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