PointGard 2100
Oxygen depletion monitor

Technical specification

Operating voltage: 100 - 240 V CA 50 - 60 Hz
Display & Control: 3” (75 mm) backlit LCD display
Indicators: 3 status LEDs (green, yellow, red)
Alarms:
• 85 à 105 dB configurable sound signal with continuous or discontinuous tone
• Orange and red LED blinking lights with different flashes corresponding to A1 and A2 alarms
Outputs:
• 2 alarm relays and 1 fault relay (5A single-pole, 5V, 230VAC contact)
• 1 analog output 4-20 mA (copied measurement)
Functions:
• Data logger and event recorder, capacity over 35000 data points
• Warning and error messages full display
• Reset push button located on the front panel
Power certifications:
• CE marking IEC/ NF EN 61010-1
• UL 61010-1 compliant
• Class B device, residential use, ICES-3(B)/NMB-3(B) compliant
Case:
• Polyester reinforced fiberglass (GFRP)
• Wall mounting with internal screws or with optional stainless steel mounting brackets
• NEMA 4X enclosure protection, IP66 (pending,) indoor or outdoor use
• 3 cable glands entry, M20
• Dimensions (W x w x d) / Weight: 255 x 280 x 120 mm / 2.5 kg

Product description

The PointGard 2100 is a stand-alone gas detection system with built-in alarms that is easy to install and commission. Just mount it on the wall, connect it to a power supply and the device is operational.

► Fully ready to use
Pre-calibrated, the gas sensor is fully ready for use and the self-test feature of the sensor facilitates preventive maintenance. Because the buzzer and flashing lights are integrated into the device, no installation or special wiring is required.

► Advanced display with diagnosis
The information is displayed clearly and concisely on a large, backlit graphical display. While operating, the device indicates to the user the type of gas, its concentration and its unit of measure. The colored LEDs (green, yellow and red) provide additional alarm and status information. Advanced diagnostics record events and gas readings that can be displayed on the screen as graphics.

► Alarm relays and standard measurements signal copy
Thanks to its three built-in relays, the PointGard 2100 can be equipped with additional external alarm devices such as servo control, alarm report or remote siren. In addition a 4-20 mA output signal (copy of the measurement) allows the integration of the device to a broader detection system as supervision for example.

► Compact and durable housing
With its 4X / IP66 protection rating, the polyester fiberglass enclosure is waterproof and dustproof. Its compact size is suitable for most applications. Thanks to its integrated cable glands, it is easy to install.

► Main assets in 3 points
• Simple & economical system for monitoring oxygen concentration levels in rooms where nitrogen cylinders or asphyxiating gases are used.
• Complete ready-to-use device integrating a buzzer, flashing lights and a 230 volt power cord.
• Exceptional system longevity: approximately 5 years of sensor life (annual calibration required).

► Application examples
• Research centers,
• Universities,
• Laboratories,
• Clean / white rooms,
• Cryogenic environments, etc…