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► PointGard 3100

Oxygen monitoring device

Technical specifications

Operating power: 100 - 240 V CA 50 - 60 Hz
Display & Control: 3 Backlit LCD Screen" (75 mm)
Indicators: 3 status LEDs (green, yellow, red)
Alarm devices:
• Sound signal with adjustable volume from 85 to 105 dB with continuous or discontinuous tone
• Orange and red LED flashing lights with different flashes corresponding to A1 and A2 alarms
Outputs:
• 2 alarm relays and 1 fault relay (2-pole, single-pole contact 5 A at 230 V AC)
• 1 analog output 4 -20 mA (measurement copy)
Functions:
• Data and event recorder with a capacity of over 35,000 entries
• Full display of warning and fault messages
• The alarm is reset using the push button located on the front panel
Electrical certifications:
• CE classification, CEI / NF EN 61010-1
• Complies with the UL 61010-1 standard
• Class B device, residential use, conforms to standard ICES-3 (B) / NMB-3 (B)
Material:
• Polyester reinforced fiberglass material (GFRP)
• Wall mounting using internal screws or with optional stainless steel mounting brackets
• NEMA 4X protection rating enclosure, IP66 (pending) indoors or outdoors
• Cable entry 3 cable glands, M20
• Dimensions (L x l x p) 255 x 280 x 120 mm
• Weight 2,5 kg

Product description

The **PointGard 3100** is a standalone gas detection system with integrated alarms that is easy to install and commission. Just mount it on the wall and connect it to a power supply and the device is operational.

► Fully ready to use
Pre-calibrated, the sensor is fully ready for use and it's self-test function facilitates preventive maintenance. As the horn and the flashing lights are integrated into the box, no installation or special wiring is required.

► Advanced display with diagnosis
The information is displayed clearly and concisely on a large backlit graphic screen. In normal operation, the device indicates the type of gas, its concentration and its measurement unit. The colored LEDs (green, yellow and red) provide additional alarm and status information. Advanced diagnosis, events records and gas measurements, can be displayed on the screen as graphs.

► Alarm relay and feedback as standard
Thanks to its three integrated relays, the PointGard 3100 can be equipped with additional external alarm devices such as a servos, an alarm report or a remote siren. In addition, a 4-20 mA output signal (measurement copy) allows it to be integrated into a larger detection system such as supervision.

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

► The main advantages in 3 points
• Simple & economical system for monitoring the oxygen level in the air in rooms using nitrogen or asphyxiating gas cylinders.
• Complete ready-to-use device including buzzer, flash lights and 230 volt power cord.
• Exceptional system longevity with a sensor life of approximately 5 years (annual calibration required).

► Application examples
• Research centers,
• Universities,
• Laboratories,
• Clean rooms,
• Cryogenic environments, etc...