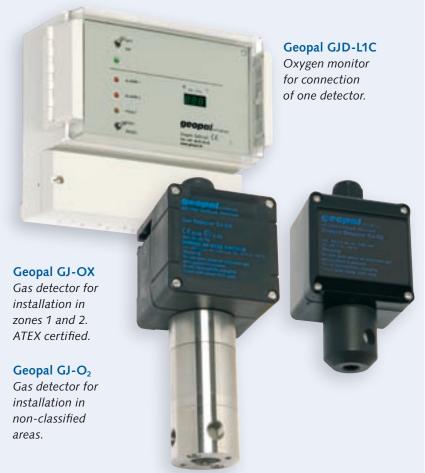


Geopal GJD-L1C





The oxygen monitor type GJD-L1C is used where only one detection point is needed, which requires just one detector. The present oxygen concentration is shown on a display on the monitor. The oxygen monitor is designed to receive and process the signal from the connected detector. It will carry out necessary follow-up signal processing and set off an oxygen warning and oxygen alarm. The relay circuits in the GJD-L1C system have relay contacts for low alarm level, high alarm level and system fault. The relay circuits facilitate the control of external functions like ventilation systems, magnet valves, alarm bells, etc. The system can be calibrated so that the alarm is activated in the event of increasing or decreasing oxygen concentration.

The GJD-L1C has a fault-finding circuit, which also monitors the detector cable.

The central alarm unit is encased in a sturdy, granite-grey plastic cabinet with a transparent lid.

GEOPAL SYSTEM A/S







Technical Data

Description:

Specifications:

GJD-L1C Central Unit

Supply voltage:	230V AC, 110V AC, 12V DC, 24V DC
Power consumption:	10 W
Sensor:	Electrochemical
Detection range:	0-100% oxygen
Life expectancy:	Min. 5 years
Response time:	< 15 seconds. T:90%
Relay contacts:	Low and high alarm level, and system fault
	Max. load 230V AC, 10 A
Analogue output:	4-20 mA. Optional.
Cable between detector and Central Unit :	3-conductor min. 0.5 mm2 shielded
Cabinet:	ABS/Polycarbonate
Front panel:	Dull green, lacquered aluminium with I
	ithographic print
Indicators:	Green, red and yellow LED plus internal sound indicator
IP rating:	IP 65 DIN 40050
Weight:	1.4 kg
Mechanical dimensions:	(LWD) 185 x 213 x 104.5 mm
Operating temperature:	-10 to +50 °C
Certification:	EMC Emission: EN 50081-1: Generic Emission Standard part 1
	EMC Immunity: EN 50082-2: Generic Immunity Standard part 2
Safety:	EN 61010-1 & IEC 1010-1 Safety requirements for electrical
	equipment for measurement, control and laboratory use.

Detector GJ-OX

The GJ-OX is an explosion-proof detector certifi	ed for application in zone 1. It is made of robust materials designed
for use in hazardous environments.	
Operating temperature:	-10°C to +50°C
Humidity:	0-100 % relative humidity, non-condensing
Certification/tests:	UL DEMKO 03 ATEX 130471X
	II 2G EEx DE IIC T6
IP rating:	IP65
Materials:	Polyamide/AISI 316L
Mechanical dimensions:	(LWD) 215 x 85 x 80 mm. Length incl. cable gland
Weight:	1.0 kg

Detector GJ-O2

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The GJ-O2 is used in non-classified are	eas. It is made of robust materials for application in aggressive environments.
Operating temperature:	-20°C to +50°C
Humidity:	0-100 % relative humidity, non-condensing
IP rating:	IP65
Materials:	Polycarbonate/POM
Mechanical dimensions:	(LWD) 150 x 80 x 58 mm. Length incl. cable gland
Weight:	0.4 kg



