



## Geopal GJD-L2C



**Geopal GJD-L2C**  
*Carbon-dioxide  
monitor for connection  
of one detector.*

**Geopal GP-CO<sub>2</sub>**  
*Gas detector for installation  
in non-classified areas.*

*The carbon-dioxide monitor  
type GJD-L2C is used  
where only one detection  
point is required - and just  
one detector is needed. The  
present CO<sub>2</sub> concentration  
is shown on a display on  
the monitor.*



The carbon-dioxide monitor type GJD-L2C is used where only one detection point is needed, which requires just one detector. The present CO<sub>2</sub> concentration is shown on the display on the monitor. The carbon-dioxide 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 a warning and alarm if the CO<sub>2</sub> concentration in the air exceeds the calibrated limits. The relay circuits in the GJD-L2C system have relay contacts for low alarm level, high alarm level and system fault. These facilitate the control of external functions like ventilation systems, magnet valves, alarm bells, etc. The central alarm unit has a fault-finding circuit which also monitors the detector cable. The alarm unit is encased in a sturdy, granite-grey plastic cabinet with a transparent lid.





03 ATEX Q133996



DBI reg. Nr. 233.301

A12060  
REGISTERED FIRM  
ISO9001:2000

# Technical Data

## Description:

## Specifications:

### GJD-L2C Central Unit

Supply voltage:	230V AC, 110V AC, 12V DC, 24V DC
Power consumption:	10 W
Detection range:	0-2,000/5,000/10,000 ppm
Sensor:	Infrared
Response time, to gases:	< 7 seconds
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 0.5 mm <sup>2</sup> shielded
Cabinet:	ABS/Polycarbonate
Front panel:	Dull green, lacquered aluminium with lithographic 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 GP-CO2

The GP-CO2 is used in non-classified areas. 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 M20
Weight:	0.4 kg