



Geopal GPSL-CO2

Geopal GPSL-CO2
*Stand-alone detector
in a new slim design
for carbon dioxide*



The Geopal GPSL-CO2 detector is specially designed for detection of CO₂ in cold and frost rooms.

The height of the detector has been reduced to only 23 mm, this means the detector can be mounted under the fender list protecting the detector from mechanical damages.

The signals of the Geopal GPSL-CO2 detector are converted to a linear output signal of 4-20 mA or 0-5 V/0-10 V.

The detector is equipped with alarm relays for low alarm, high alarm and system fault.

Simple installation

For external wiring of the detector a three-conductor cable is normally all you need. Depending on how many relay functions are required, the number of conductors would be increased accordingly.

Geopal GPSL-CO2 stand-alone detector in a new slim design that allows the detector to be placed under the fender list, protecting it against damages.



geopal SYSTEM A/S®

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DIC444QMS



DBI reg.no. 233.301



SP14ATEX7159

Technical Data

GPSL-CO2

Supply voltage	10 to 32 VDC
Power consumption	6 W max
Available gases	CO ₂ Carbon dioxide
Detection range	0-2.000 ppm, 0-10.000 ppm, 0-30.000 ppm
Response time T90	< 30 sec.
Repeatability	+/- 2 % of FS range
Long-term stability	+/- 3% FS / 12 months
Self-diagnostics	Continuous
Sensor	NDIR
Sensor lifetime (expected)	>15 years
Detector in relay version	4-20 mA / (2 mA fault), 1-5 V / (0,5 V fault), 2-10 V / (1 V fault), 0-5 V, 0-10 V 2 relay outputs for alarm 1 and alarm 2 1 relay output for fault Max load 30 V / 1 A
Material housing	POM, black
IP rating	IP 65 DIN 60529
Weight	0,4 kg
Mechanical dimensions	155 x 80 x 23 mm (LxWxD)
Operating conditions	Temperature -30 °C to +50 °C Humidity 0 %RH to 95 %RH not condensing Pressure 1013 mbar ±10%
Storage	Temperature -30 °C to +55 °C Humidity 0 %RH to 95 %RH
Approvals (<i>Directives and Standards</i>)	Electromagnetic Compatibility Directive (EMC) 2014/30/EU Low Voltage Directive 2014/35/EC EN 60 204-1 EN 61 010-1 EN 61 326-1 (2013) EN 61 000-6-2 (2005) EN 61 000-6-3 (2012) EN 50 270 (2015)
Quality	ISO 9001:2015