Geopal GP-CO2

Geopal GP-CO2
Stand-alone detector for carbon dioxide

Geopal GP-CO2 detector is a stand-alone detector for carbon dioxide. It continuously monitors the gas concentration at a specific pre-calibrated range. The range is optional from 0-2000 ppm, 0-5000 ppm or 0-10000 ppm.
In the GP-CO2 detector the sensor signal is converted to a linear output signal of 4-20 mA, or 0-5 V/0-10 V. The detector is also equipped with alarm relays for both low alarm, high alarm and system fault.

Simple installation
For the 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. The detector is also available with a DIN plug, an option which is usually preferred if you wish to be able to quickly replace the detector.

As another option we can also offer a device for duct mounting.

Description: **Specifications:**

GP-CO2

Range:	0-2000 / 0-5000 / 0-10000 ppm.
Accuracy:	+/- 100 ppm.
Response time:	< 3 min.
Warm-up time:	1 min.
Maximum airflow (duct mounting):	10 m/sec.
Operating voltage:	10 – 32 Volt AC/DC
Power requirements:	50 mA max.
Connection on detector:	PG13 Optional DIN-plug with cable
Electrical output:	4 – 20 mA, or 0 – 5 Volt, or 0 – 10 Volt
Relay outputs:	2 x alarm relays, 30V/2A - 230V/0,1A 1 x fault relay, 30V/2A - 230V/0,1A
Indicators:	Green LED OK operation Reed for alarm Yellow for fault
Operating temperature:	-20°C to +50°C
Operating humidity:	0 to 95 % RH, non-condensing
Material housing:	Polycarbonate, black
Material detector nose:	POM
Probe for duct mounting:	Aluminium
Dimensions:	82 x 82 x 57,5 mm.
Weight:	0,3Kg
Protection:	IP56 DIN 40050
Approvals:	EN 50081-1: Generic emission standard Part 1 EN 50082-2: Generic Immunity standard Part 2 CE
Security:	EN 61010-1 & IEC 1010-1: Safety requirements for electrical equipment for measurement, control and laboratory use.