GJD-04C

Geopal GJD-04C
Control and Power Unit

The gas alarm monitor type GJD-04C is used, where only two detection points are needed, which requires two gas detectors.

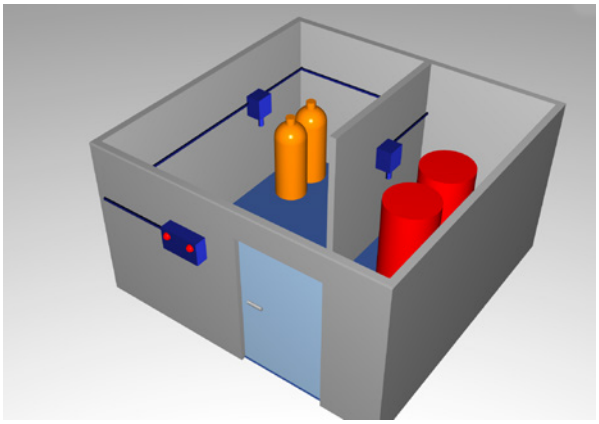
The gas alarm monitor is designed to receive and process the signal from the connected detectors. It will carry out necessary follow-up signal processing and set off gas warning and gas alarm. The relay circuits in the GJD-04C system have relay contacts for low alarm level, high alarm level and system fault. The relay circuits facilitate the operation of external functions like ventilation systems, magnet valves, cutting off the power supply, etc.

The gas alarm monitor has a fault-finding circuit, which also monitors the detector cable. The failure relay is active during normal operation and will be deactivated in the event of system error, including power failure, or if the switch on the front panel is turned into off position.

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



Geopal GJD-04C
Dual line alarm monitor
for connection of two
detectors





Geopal GJ-EX
Gas detector for
installation in zones 1 &
2. ATEX certified



Geopal GJ-C
Gas detector for
Installation in
non-classified areas

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PENDING ITS-I 23ATEXQ36745 DBI reg. no 233.301 DIC444QMS

GJD-04C

Supply voltage	230V AC, 110V AC, 24V DC
Power consumption	10 W
Available gases	Methane, Propane, Butane, Hydrogen, Hexane, Benzene, Ethane, Ethylene, R404A, R407C, R22, R134a, Ammonia, etc.
Detection range	0-100 % LEL, 0-40.000 ppm
Response time T90	< 5 seconds, depending on gas type
Calibration	Calibrated to specified type of gas/refrigerant
Repeatability	+/- 5 %
Long-term stability	< 5 % FAS / 12 months
Relay contacts	Low and high alarm level, and system fault Max. load 230 V A.C., 10 A
Voltage output for sounder, flash, etc.	24 VDC (2 AMP)
Cable between detector and Central Unit	3-conductor 1 or 1.5 mm^2 shielded
Cabinet	ABS/Polycarbonate
Front panel	Dull green, lacquered aluminum with lithographic print
Indicators	Green, red, and yellow LED plus internal sound indicator
IP rating	IP 55 DIN 40050
Weight	2,0 kg
Mechanical dimensions	LxWxD: 217 x 257 x 132,5 mm
Operating temperature	-10 °C to +50 °C
Approvals (Directives and Standards)	Electromagnetic Compatibility Directive (EMC) 2014/30/EU Low Voltage Directive 2014/35/EC EN 61 000-6-2 (2019); EN 61 000-6-4 (2019); EN 50 270 (2015)
Quality	ISO 9001:2015

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GJD-04C

Detector GJ-EX	
The GJ-EX is an explosion-proof detector certified for application in zone 1, made of robust materials, designed for use in hazardous environments. Can be fitted with different sensors according to whatever specific gases/vapours need to be detected.	
Operating temperature	-20 °C to +80 °C
Humidity	0-100 % RH, non-condensing
Certification/tests	TÜV 16 ATEX 176482X Ex II 2G Ex db IIC T5 Gb DBI no. 233.506
IP rating	IP65
Materials	Aluminum/AISI 316L
Mechanical dimensions	LxWxD: 162 x 108 x 95 mm (width without cable gland M20)
Weight	1,5 kg

Detector GJ-C	
The GJ-C is used in non-classified areas. It is made of robust materials for application in aggressive environments and can be fitted with different sensors according to whatever specific gases/vapours need to be detected.	
Operating temperature	-40 °C to +80 °C
Humidity	0-100 % RH, non-condensing
Certification/tests	DBI no. 233.506 EC project no. 3349D20
IP rating	IP65
Materials	Polycarbonate/POM
Mechanical dimensions	LxWxD: 150 x 80 x 58 mm (length incl. cable gland M20)
Weight	0,25 kg

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