



## Geopal GJD-04C



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

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

**Geopal GJ-C**  
*Gas detector for  
installation in  
non-classified areas.*



The gas alarm monitor type GJD-04C is used where only two detection points are needed, which requires two gas detectors. The alarm monitor is designed to receive and process the signal from the connected detectors, carry out the necessary signal processing, and set off the gas warning and gas alarm. The relay circuits have relay contacts for low alarm, high alarm and fault. The relay circuits facilitate the operation of external functions like ventilation systems, magnet valves, cutting off the power supply, etc.

The central alarm unit 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 front panel switch is turned into off position.

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-04C Central Unit

Supply voltage:	230V AC, 110V AC, 12V DC, 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, to gases:	< 3 seconds
Calibration:	Calibrated to specified type of gas/refrigerant
Relay contacts:	Low and high alarm level, and system fault Max. load 230V AC, 10 A
Cable between detector and Central Unit :	3-conductor 1 or 1.5 mm <sup>2</sup> shielded
Front panel:	Dull green, lacquered aluminium with lithographic print
Cabinet:	ABS/Polycarbonate
Indicators:	Green, red and yellow LED plus internal sound indicator
IP rating:	IP 65 DIN 40050
Weight:	2.0 kg
Mechanical dimensions:	(LWD) 217 x 257 x 132.5 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-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 % relative humidity, non-condensing
Certification/tests:	UL DEMKO 03 ATEX 130471X Ⓔ II 2G EEx DE IIC T5 DIFT no. 233.506 EC project no. 3349D20
IP rating:	IP65
Materials:	Polyamide/AISI 316L
Mechanical dimensions::	(LWD) 180 x 85 x 80 mm. Length incl. cable gland M25
Weight:	1.0 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:	-25°C to +80°C
Humidity:	0-100 % relative humidity, non-condensing
Certification/tests:	DIFT no. 233.506 EC project no. 3349D20
IP rating:	IP65
Materials:	Polycarbonate/POM
Mechanical dimensions:	(LWD) 150 x 80 x 58 mm. Length incl.cable gland M20
Weight:	0.25 kg