



Geopal GJD-02C



Geopal GJD-02C
Single-line alarm monitor for connection of one detector.

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-02C is used, where only one detection point is needed, which requires just one gas detector. The alarm 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 gas warning and gas alarm. The relay circuits in the GJD-02C 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 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 switch on the front panel is turned into off position. The central 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-02C 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 ² 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:	1.3 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.

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. It 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

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