

Data sheet Geopal GPM-03R

Geopal GPM-03R
*Multi-line rack system
for connection of as
many as 99 detectors*



Geopal GPM-03R rack system is used where multiple detection points are needed, requiring three or more gas detectors.

The modular construction is placed in a 19" rack for mounting in a steel cabinet. It includes line units, relay circuits, power supply and detectors. Optional, we can offer separate relays for the individual lines/ detectors as well as control units.

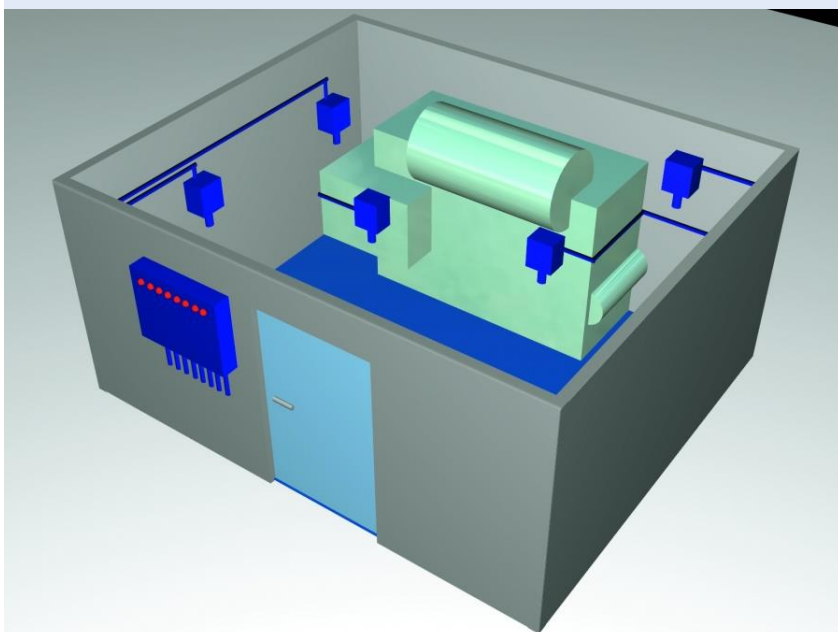
The rack system is designed to receive and process the signal from the connected detectors, carry out the necessary signal processing, and set off the gas warning and gas alarm. The relay circuits facilitate the operation of external functions like ventilation systems, magnet valves, cutting off the power supply, etc. The power supply is available with or without UPS. As an option the line units are available with a display.

The rack system is fitted with a comprehensive fault-finding circuit with associated light and sound indicators.

Class Compliant

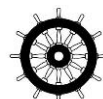
GPM-03R complies with DNV Clean notification, and the use of fixed leak detection systems for environmental protection (e.g. Lloyds EP Notation)

ISGOTT 24.2 Central air conditioning and ventilation systems.



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DIC444QMS



DBI reg.no. 233.301



SP14ATEX7159

GPM-03R

Supply voltage	110-240 VAC, +/- 20% (50/60Hz ± 10%)
Power consumption	According to number of detectors (60W for 9 lines)
Available gases	Methane (CH ₄), Propane (C ₃ H ₈), Butane (C ₄ H ₁₀), Hydrogen (H ₂), Hexane (C ₆ H ₁₄), Benzene (C ₆ H ₆), Ethane (C ₂ H ₆), Carbon Monoxide (CO), Ethylene (C ₂ H ₄), Ammonia (NH ₃), Hydrogen sulphide (H ₂ S), R404A, R407C, R417A, R134a, etc.
Detection range	0-40,000 ppm, 0-100 % LEL
Response time T90, repeatability, accuracy	See detector data sheet
Electrical output	4-20mA / (2mA fault), 1-5V / (0,5V fault), 2-10V / (1V fault), 0-5V, 0-10V
Relay contacts	Low and high alarm level, and system fault Max 380 VAC / 10 A, 125 VDC / 10 A Resistive: 250 VAC / 10A AC1: 230 V / 8 A AC15: 230 V 1,7 A
Indicators	Green, red and yellow LED. Sounder optional
Cable between detector and Central Unit	3-conductor (1 or 1.5 mm ²) shielded
Cabinet	Steel (standard)
Front panel	Dull green, lacquered aluminum with lithographic print
IP rating	IP 55 DIN 60529
Weight approx.	Rack 1-9: 30 kg Rack 1-19: 45 kg Rack 1-29: 70 kg
Mechanical dimensions	Rack 1-9: 345 x 600 x 373 mm (HxWxD) Rack 1-19: 478 x 600 x 373 mm (HxWxD) Rack 1-29: 612 x 600 x 373 mm (HxWxD)
Max operating conditions	Temperature +5 °C to +55 °C Humidity 0 %RH to 95 %RH Pressure 1013 mbar ±10%
Storage	Temperature -25 °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) MED directive 961981 IACS E10: 2006 IEC 60 945:2002 and Corrigendum 1: 2008 IEC 60 092-504:2001-03 IEC 60 533:1999-11
Quality	ISO 9001:2015