

PolyGard® Gas Controller Expansion Module EP-04

Description

Expansion module with four analog inputs (4 to 20 mA), five potential-free alarm relays and two analog outputs (4 to 20 mA) for the connection to the PolyGard® Gas Controller GC-04.

Via the internal bus the Gas Controller can be extended by up to five modules.

Application

Extension of the analog inputs, analog outputs and alarm relays of the PolyGard® Gas Controller GC-04.



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Features

- Four analog inputs, 4 to 20 mA
- Five alarm relays with SPDT, potential-free max. 250 VAC, 5 A
- Two analog outputs, 4 to 20 mA
- Simple module addressing
- Mounting on DIN rail (EN 50 022) or in distribution enclosure.

Specifications

Electrical	
Power supply	24 VAC/DC -10% + 20% / 21 to 31 VDC
Power consumption	3 W, 120 mA
Analog input (4)	4 to 20 mA, overload-proof and short-circuit-proof, input resistor 200 Ω
Power supply for external analog transmitter	24 VDC max. 50 mA / channel
Analog output (2) adjustable for each channel	4 to 20 mA, overload-proof and short-circuit-proof, max. load 500 Ω
Alarm relay (5)	250 VAC, 5 A, potential-free, SPDT
Environmental	
Humidity	15 – 95 % RH non condensing
Working temperature	-10 °C to + 50 °C (14 °F to 122 °F)
Storage temperature	0° C to + 50° C (32 °F to 122 °F)
Physical Characteristics	
Enclosure	Plastic housing
Colour	RAL 7035 (gray)
Protection class	IP 40
Weight	0,3 kg (0.66 lbs.)
Mounting	DIN Rail (EN 50 022), distribution enclosure
Wire connection	Screw type terminal: 2,5 mm ² (14 AWG) Spring type: 0,5 to 1,5 mm ² (22 to 16 AWG) Spring type: 0,5 to 1,5 mm ² (22 to 16 AWG)
Power supply	
Relay Input	
Dimensions (W x H x D)	104 x 86 x 56 mm (4.1 x 3.4 x 2.2 in.)
Guidelines	
EMC Directive 89/336/EEC Low Voltage Directive 73/23/EEC	
Warranty	One year material and workmanship

Ordering Information

EP-04-04-04-00000

Option

1XXXX Input 0 – 10 V
XX1XX 2 x analog Output 4 to 20 mA

Connecting Diagram

