



PolyGard®2

Digital Door Entrance Module DEM-06

Door Entrance Module based on state-of-the-art micro-technology for the continuous monitoring of the alarm levels of the gas warning systems DGC-06.

The DEM-06 can monitor the alarm situations of the DGC-06 systems via the RS-485 bus. Up to 128 relay information bits can be used via the field bus to control alarm displays and warning outputs.

Configuration can be done via the password protected keypad to get level and project independent structure without specific programming knowledge.



DEM-06 Module with options

APPLICATION

The DEM-06 is especially designed for the use in underground garages and multi-storey car parks or for room application e.g. laboratories.

FEATURES

- Especially suitable for monitoring rooms with dangerous gas concentrations such as laboratories, underground garages and car parks
- Slave version for integration in the DGC-06 system
- Master version as stand-alone system
- Logical menu structure in seven selectable languages
- Simple, fast commissioning due to pre-configuration with standard parameters
- Visual alarm and text messages with individually settable message texts
- Serial interface RS 485
- IP 65 version
- Enclosure fire-resistant according to UL 94V2
- Option: Integrated warning buzzer (option) with reset function internal/external
- Option: 2 x open collector output for warning light and warning horn with rest function internal/external.





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SPECIFICATIONS

Electrical

Power supply	18 - 28 VDC reverse polarity protected
Power consumption (without options)	40 mA, max. (1.0 VA)

Visualisation

Display	Two lines, 16 characters each
Status LED (3)	Normal operation - Fault – Alarm
Operation	6 push-buttons – menu-driven

Serial interface

Transceiver	RS 485 / 19200 Baud
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Operating environment

Humidity	15 – 90 % RH non-condensing
Working temperature	-10 °C to + 50 °C (14 °F to 122 °F)
Storage temperature	5 °C to 30 °C (41 °F to 86 °F)
Pressure range	Atmospheric ± 30 %

Physical

Enclosure type A (standard) and type C and E (for options)	Polycarbonate
Flammability	UL 94 V2
Enclosure colour	RAL 7032 (light grey)
Dimensions (W x H x D) type A	94 x 130 x 57 mm (3.7 x 5.12 x 2.24 inch.)
Dimensions (W x H x D) type C	130 x 130 x 75 mm (5.12 x 5.12 x 2.95 inch.)
Dimensions (W x H x D) type E	130 x 130 x 99 mm (5.12 x 5.12 x 3.90 inch.)
Weight	Approx. 0.6 kg (1.323 lbs.)
Protection class	IP 65
Installation	Wall mounting
Cable entry	Standard 1 x M 20
Wire connection	Screw type terminal, min. 0.25, max. 2.5 mm ² (24 to 14 AWG)
Guidelines	EMC Directive 2014/30/EU Low voltage directive 2014/35/EU Conformity to: EN 61010-1:2010 ANSI/UL 61010-1 CAN/CSA-C22.2 No. 61010-1
Warranty	1 year on sensor (not if poisoned or overloaded) 2 years on device

OPTIONS

Internal buzzer

Acoustic pressure	83 dB (A) (distance 200 mm/ 0.6 ft)
Frequency	2300 Hz

Open collector (2)

Transistor output	24 V DC / 0.1 A, (Plus switching)
Digital input (1)	Potential-free contact





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ORDER INFORMATION

DEM-06-A	XXXX	
	SXXX	OPTIONS Slave version
	MXXX	Master version
	X1XX	Internal buzzer & 1 open collector output
	X2XX	Open collector output (2) with reset input
	X3XX	Mounting together in the MSB2 housing
		HOUSING
A		Plastic (standard)
C		Plastic (for options)

EXAMPLE

Door entrance module DEM-06, Slave version, standard plastic housing, and internal buzzer

Ordering number: DEM-06-A-S100

WIRING CONFIGURATION

