

Technical Datasheet



PolyGard®2

Digital Door Entrance Module DEM-06

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Specifications subject to change without notice.
Up-to-date data sheets and user manuals can be found in the download area of www.msr-24.com.
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■ Made
■ in Germany

DESCRIPTION

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.

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
- IP65 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 reset function internal/external.

SPECIFICATIONS

ELECTRICAL	
Power supply	18–28 V DC, reverse polarity protected
Power consumption (w/o 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
AMBIENT CONDITIONS	
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	
Housing type A (standard) and type C (for options)	Polycarbonate
Burning behaviour	UL 94 V2
Housing 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.)
Weight	Approx. 0.6 kg (1.32 lbs.)
Protection class (delivery status)*	IP65
Installation	Wall mounting
Cable entry	Standard 1 x M 20
Connection	Screw-type terminals min. 0,25 max. 2,5 mm ²
REGULATIONS	
Directives	EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU CE 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

* If there are changes to the housing it has to be re-evaluated.

All specifications were collected under optimal test conditions.

We confirm compliance with the minimum requirements of the applicable standard.

ORDERING INFORMATION

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

EXAMPLE

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

Order number: DEM-06-A-S100

ELECTRICAL CONNECTION

