

Technical Datasheet



PolyGard®2

Digital Door Entrance Module DEM-06

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Specifications subject to change without notice.
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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 rest function internal/external.



SPECIFICATIONS

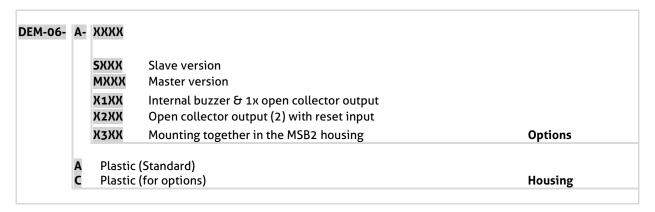
| ELECTRICAL | |
|-------------------------------------|---|
| Power supply | 18–28 V DC, reverse polarity protected |
| Power consumption (w/o options) | 40 mA, max. (1.0 VA) |
| VISUALISATION | |
| Display | Two lines, 16 characters each |
| Status LED (3) | Normal operation - Fault – Alarm |
| Operation | 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) | Polycarbonate |
| and type C (for options) | |
| 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 |
| O F () | |

^{*} 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



EXAMPLE

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

Order number: DEM-06-A-S100

ELECTRICAL CONNECTION

