



SICHERHEITSTECHNIK

**technical data****DOM AccessManager Terminal****Technical Specifications:**

- For use in DOM intelligent transponder concept (DOM Protector®, AccessManager)
- extension of the validity of up to 3.000 intelligent Hitag-S transponder (changes of the authorisations have to be done by desk reader or DOM-ITT)
- validity is extended either of the actual day or for max. 24 hours (specified by ELS-Software)
- operates also as access control device (control of doors, turnstiles, etc.)
- available as Compact & Hisec version

**Power supply:****Current consumption:****Time / Date:**

- external: 12-24 V AC/DC  $\pm$  10%
- 250 mA (only for reader/control unit)
- buffering time after power failure: 48 hours at +20°C
- authorizations and events: at least 10 years
- clock drift at room temperature:  $\pm$ 10 minutes/year
- at -20 and +65°C: -50 minutes/year

**Interfaces:**

RS232-Interface for connecting DOM NetManagers or PC:

- data rate: default 38400 Baud
- term 1: RxD
- term 2: TxD
- term 3: GND

RS485- Interface for connecting up to one external reader:

- addressing: via Software
- function: half duplex
- data rate: default 38400 Baud
- term 4: A (receive)
- term 5: B (transmit)
- term 6: GND
- Termination RS485: term. 4 and 5 (100  $\Omega$ )

power supply:

- term 7/8: power supply from external
- term 9/10: power supply for external devices

RS232-Interface for connecting one reader

- term 18: RxD
- term 19: TxD
- term 20: GND
- data rate : default 38400 Baud

**Connecting cable:**

recommended cable type: JY(St)Y 2  $\times$  2  $\times$  0,6  
 maximum cable length: 15 m (RS 232)  
 500 m (RS 485)

| technical data                          | DOM AccessManager Terminal   |
|---|--|
| <b>Inductive transponder interface:</b> | <ul style="list-style-type: none"> <li>• reading range: up to 10 cm</li> <li>• frequency: 125 kHz</li> <li>• field strength in 10 m distance: &lt; -6 dB <math>\mu</math>A/m in conformity with ETSI EN 300 330</li> </ul> <ul style="list-style-type: none"> <li>• Hitag transponders: Hitag 1, Hitag 2, Hitag S</li> <li>• EM transponders: 4100, 4102, 4150, 4450</li> </ul> <p>transponder types:</p> <ul style="list-style-type: none"> <li>• DOM Tac, DOM Clip Tac, ISO card transponder</li> <li>• DOM ((o)) butler transponders with passive inlay</li> <li>• other types have to be checked</li> </ul>                    |
| <b>Infrared-Interface:</b>              | <ul style="list-style-type: none"> <li>• location: behind DOM-Logo</li> <li>• wave length : 890 nm</li> <li>• angle: <math>\pm 24^\circ</math></li> <li>• data rate: 38400 Baud</li> </ul>   |
| <b>Inputs control unit:</b>             | <p>2 inputs for floating switches:</p> <ul style="list-style-type: none"> <li>• max. wire impedance: &lt; 10 <math>\Omega</math></li> <li>• max. wire length: &lt; 20 m</li> </ul> <p>connected to screw-clamp:</p> <ul style="list-style-type: none"> <li>• term 14/15: Input 1</li> <li>• term 16/17: Input 2</li> </ul>   |
| <b>Outputs control unit:</b>            | <p>1 floating change over contact: <sup>1</sup></p> <ul style="list-style-type: none"> <li>• electrical strength: 30V DC 125V AC</li> <li>• current load: 1 A DC 0,3A AC</li> </ul> <p>connected to screw-clamp:</p> <ul style="list-style-type: none"> <li>• term 11: normally open contact (NO)</li> <li>• term 12: common contact (C)</li> <li>• term 13: normally close contact (NC)</li> </ul>  |
| <b>Combination of In-/Output:</b>       | <p>logical and chronological combinations are possible;<br/>for example: simple access-control (change-over contact)</p>   |
| <b>Signalling:</b>                      | <ul style="list-style-type: none"> <li>• 2 LEDs: red/green</li> <li>• buzzer</li> </ul>  |
| <b>Programming :</b>                    | <ul style="list-style-type: none"> <li>• with Master-Card ; Programing -Card</li> <li>• with programming medium (PC) via Infrared or Online</li> </ul>   |
| <b>Memory contents:</b>                 | <p>storage of access authorisations in the cylinder:</p> <ul style="list-style-type: none"> <li>• max. 3.000 conventional transponders with 4 byte transponder serial number</li> </ul> <p>storage of time zones:</p> <ul style="list-style-type: none"> <li>• storage of max. 32 time zones</li> <li>• thereof 31 freely definable with up to 3 time intervals per day</li> </ul> <p>storage of events:</p> <ul style="list-style-type: none"> <li>• ring buffer for the last 3.000 events</li> </ul> <p>storage of programming media:</p> <ul style="list-style-type: none"> <li>• max. 5 programming cards and 5 PCs</li> </ul> |

<sup>1</sup> In use of an actuator, which is an inductive load (coil) such as a door opener, magnet, etc. make use of a freewheeling diode (DC power supply system only). The freewheeling diode is to apply antiparallel to the inductive load.

|                       |                                   |
|-----------------------|-----------------------------------|
| <b>technical data</b> | <b>DOM AccessManager Terminal</b> |
|-----------------------|-----------------------------------|

**Approvals:**

- CE, EMV, in conformity with R&TTE-rules

**Temperature range:**

- -20 up to +55 °C

**Relative humidity:**

- 20% up to 95% (no condensation)

**Protection class:**

- IP54 when completely install  
(Tested in according to DIN VDE 0530-5)

**Assembly :**

| <b>DOM housing</b>   | <b>Siedle module<br/>(Compact und HiSec)</b>   |
|--|--|
| in-wall mounting with flush boxes $\varnothing$ 60 x 42mm (DIN VDE 0606, DIN VDE 0471, DIN IEC 695)  | Siedle 6xx   |
| Alternative with surface mounted frame   | HiSec: <ul style="list-style-type: none"> <li>• only reader unit in Siedle Module</li> <li>• control unit in DOM housing</li> <li>• alternatively reader unit in Siedle Module available</li> </ul>  |
| Metallic objects close to the reader or other disturbing effects may reduce the range of communication. Minimum distance between two AccessManager > 50cm.                                   |  |
| <b>Weight:</b><br>approx. 80g  | <b>Weight:</b><br>approx. 170 g  |
| <b>Size:</b><br>85 x 85 x 16,5 mm (cap of housing)<br>85 x 85 x 24 mm (including feeder clamps)<br>85 x 92 x 40 mm (with surface mounting frame)   | <b>Size:</b><br>100 x 100 x 25 mm (Module 6xx)   |
| <b>Plastics:</b><br>mounting frame: PA6 GF30<br>cap of housing and surface mounting frame: ASA   |  |
| <b>Colour of housing :</b><br>visible components<br>alternatively: <ul style="list-style-type: none"> <li>• RAL 9010 white</li> <li>• silver metallic (similar to RAL 9006, 9007)</li> </ul> | <b>Colour of housing :</b><br>visible components<br>alternatively: <ul style="list-style-type: none"> <li>• white</li> <li>• silver metallic</li> <li>• titan metallic</li> <li>• graphite - brown metallic</li> <li>• white-gloss-finish</li> <li>• black-gloss-finish</li> <li>• luminous-amber</li> <li>• luminous-dark-grey</li> </ul> |

**Attention:**

These data correspond to the actual development status and are subject to change at any time without notice.