

# TECTIQ Reader unit outdoor IP67 black

Art.-Nr. TTWL10067S

Seite 1 von 3



SIMPLE. ACCESS. ORGANISATION.  
WITH THE DIGITAL TECTIQ LOCKING SYSTEM.

The outdoor reader (IP67) impresses with its scratch-resistant glass surface and robust metal housing with a stainless steel look. Data transmission with the TECTIQ locking media (MIFARE® DESFire®) is fast and secure via RFID. The reader signals the permission and system status visually and acoustically.

#### TECTIQ wall reader or update terminal

In combination and depending on the control unit selected, the reader unit functions as an update terminal with optional access function or as a wall reader for controlling electronic door and gate drives and other actuators.

#### Update terminal: validation/updating

Together with the update terminal control unit, the reader unit forms an intelligent TECTIQ update terminal. There, users validate/update their locking medium virtually in passing when they present it. The validity of the locking medium is extended in each case, e.g. by a further 24 hours. The permission data on the locking medium is synchronised and updated with the access control panel. This means that the data on the transponders is always up-to-date and protects the system thanks to the short validity extension interval.

#### Flexible, secure installation

The separate installation of the reader unit (outdoor) and control unit (indoor) via a 4-pin connecting cable (RS485 bus, up to 100 m distance) offers a high level of protection against tampering and prevents network cables from being accessible from outside.

#### Efficient software administration

The TECTIQ Access Manager software makes set-up and administration easy. Data transfer to the TECTIQ wall reader

# TECTIQ Reader unit outdoor IP67 black

Art.-Nr. TTWL10067S

Seite 2 von 3

(maintenance, firmware updates, etc.) is quick and easy using the TECTIQ Admin app and Bluetooth interface (BLE) as well as a system transponder.

## Technologies

- Outdoor reader unit as RFID reader for operation with the TECTIQ update terminal control unit or TECTIQ control unit via encrypted RS485 bus
- High tamper protection with separate installation of reader unit (outside) and control unit (inside flush-mounted or in surface-mounted housing) via encrypted RS485 bus connection (up to 100 m cable, without network cable accessible from outside)
- Elegant design with high-quality, scratch-resistant real glass in white (RAL 9005), high impact resistance in a robust metal housing (stainless steel look)
- Suitable for use in unprotected outdoor areas with protection class IP67 (waterproof metal housing moulded at the rear)
- Use in the temperature range from -20 °C to 70 °C at max. 99% humidity (non-condensing)
- Clear status feedback on the authorisation status through visual and acoustic signalling
- Simple installation on the control unit (PoE-capable); data transmission (RS485) and power supply via 4-pin connection cable
- 6 m pre-assembled, moulded cable included in the scope of delivery with the reader unit, extension up to 100 m possible (4 × 0.34 mm<sup>2</sup>, shielded)
- Can be administered via Bluetooth (BLE) with the TECTIQ Admin app

## Technical data - TECTIQ Reader unit outdoor IP67 black

|                     |  |
|---------------------|--|
| Area of application | Outdoor and indoor areas   |
| Bluetooth version   | 5.1  |
| Cabling             | 6 m cable included in scope of delivery, can be extended up to 100 m (4 x 0.34 mm <sup>2</sup> , shielded) |
| Certifications      | -  |
| Colour              | Frame in stainless steel look, glass in black (RAL9005)  |
| Connections         | RS485 (BUS A, B), 12 V DC, GND   |
| DC voltage supply   | Via the control unit (TTS10000, TTS10010), 12 V  |
| Depth               | 20 mm  |
| Factory reset       | Yes  |
| Frame               | Metal frame in stainless steel look  |
| Height              | 20 mm  |
| Humidity            | Max. 99 % relative humidity, non-condensing  |
| IP protection class | 67   |
| Installation type   | Surface mounted  |
| Item abbreviation   | TEC-WL-67-S  |
| Material            | Metal, glass   |

# TECTIQ Reader unit outdoor IP67 black

Art.-Nr. TTWL10067S

Seite 3 von 3

## Technical data - TECTIQ Reader unit outdoor IP67 black

|                            |  |
|----------------------------|--|
| Max. Power consumption     | 100 mA (reader unit without control unit)  |
| Max. operating temperature | 70 °C  |
| Min. operating temperature | -20 °C   |
| Net weight                 | 0,684 kg   |
| Number of wall readers     | One reader unit per control unit   |
| Programming                | Admin app, system cards  |
| Programming technology     | RFID (13,56 MHz), Bluetooth (2,4 GHz)  |
| RFID conformity            | ETSI EN 300 330  |
| RFID frequency             | 13,56 MHz  |
| RFID range                 | ≤ 3 cm   |
| RFID technology            | MIFARE® DESFire® EV1, EV2, EV3   |
| RS-485 interface           | Connection to the control unit terminal 2/connection 15-18: Bus A, Bus B, 12 V DC and GND. RS485 termination: via slide switch on the control unit |
| Security features          | Encrypted data transmission via RS485 between control unit and reader unit, separate installation of control unit and reader unit possible         |
| Signalling                 | Visual & acoustic  |
| Special functions          | Yes, via software and app  |
| Transmission power         | -4 dBm   |
| Transponder conformity     | Passive transponder ISO 14443 A (MIFARE® DESFire® EVx)   |
| Transponder encryption     | AES-128 Bit  |
| Update capability          | Automatic via the control unit   |
| Width                      | 97 mm  |
| Wireless conformity        | ETSI EN 300 328  |
| Wireless encryption        | AES-128 Bit  |
| Wireless standard          | Bluetooth Low Energy 2,4 GHz   |