

# TECTIQ Reader unit indoor IP44 white

Art.-Nr. TTWL10044W

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

The indoor reader unit (IP44) impresses with its scratch-resistant glass surface in discreet white. 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 and control unit via a 4-pin connecting cable (RS485 bus, up to 250 m distance) offers a high level of protection against tampering and prevents network cables from being accessible from the outside.

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## Efficient software administration

The TECTIQ Access Manager software makes set-up and administration easy. Data transfer to the TECTIQ wall reader (maintenance, firmware updates, etc.) is quick and easy using the TECTIQ Admin app and Bluetooth interface (BLE) as well as a system transponder.

## Technologies

- Indoor 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 250 m cable, without network cable accessible from outside)
- Elegant design with high-quality, scratch-resistant real glass in white (RAL 9010), in the GIRA TX44 frame
- Suitable for indoor use with protection class IP44
- Use in the temperature range from -10 °C to 60 °C at max. 80% 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 250 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 indoor IP44 white

|                     |  |
|---------------------|--|
| Area of application | Indoors and protected outdoor area   |
| Bluetooth version   | 5.1  |
| Cabling             | 6 m cable included in scope of delivery, can be extended up to 250 m (4 x 0.34 mm <sup>2</sup> , shielded) |
| Certifications      | -  |
| Colour              | Frame and glass in white (RAL9010)   |
| Connections         | RS485 (BUS A, B), 12 V DC, GND   |
| DC voltage supply   | Via the control unit (TTSG10000, TTSG10010), 12 V  |
| Depth               | 17 mm  |
| Factory reset       | Yes  |
| Frame               | Compatible with GIRA System TX44   |
| Height              | 86 mm  |
| Humidity            | Max. 80 % relative humidity, non-condensing %  |
| IP protection class | 44   |
| Installation type   | Surface mounted  |
| Item abbreviation   | TEC-WL-44-W  |

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## Technical data - TECTIQ Reader unit indoor IP44 white

|                            |  |
|----------------------------|--|
| Material                   | Plastic, glass   |
| Max. Power consumption     | 100 mA (reader unit without control unit)  |
| Max. operating temperature | 60 °C  |
| Min. operating temperature | -10 °C   |
| Net weight                 | 0,434 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                      | 110 mm   |
| Wireless conformity        | ETSI EN 300 328  |
| Wireless encryption        | AES-128 Bit  |
| Wireless standard          | Bluetooth Low Energy 2,4 GHz   |