

# TECTIQ Reader unit indoor IP44 black

Art.-Nr. TTWL10044S

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SIMPLE. ACCESS. ORGANISATION.

With the digital TECTIQ locking system.

The TECTIQ reader unit impresses with its scratch-resistant glass surface. 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 selected control unit, 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/update

Together with the update terminal control unit, the reader unit forms an intelligent TECTIQ update terminal. There, users validate/update their locking medium by presenting it as they pass by. 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.

Efficient software administration

The TECTIQ Access Manager software is used for convenient setup and administration. 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.

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## Technologies

- Reader unit as RFID reader for operation with the TECTIQ update terminal control unit or TECTIQ control unit via encrypted RS485 bus
- Elegant design with high-quality, scratch-resistant real glass
- Suitable for indoor and outdoor use depending on version

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- Clear status feedback on the permission status through visual and acoustic signalling
- Simple installation on the control unit (PoE-capable); data transmission (RS485) and power supply via 4-pin connecting cable
- 6 m pre-assembled, moulded cable included in the scope of delivery of 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 black

Air humidity	Max. 80 % relative humidity, non-condensing
Areas of application	Indoors and protected outdoor area
Article abbreviation	TEC-WL-44-S
Article program	TECTIQ
Bluetooth version	5.1
Cable routing	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	black
Connections	RS485 (BUS A, B), 12 V DC, GND
DC power supply	Via the control unit (TTSG10000, TTSG10010), 12 V
Depth	17 mm
Factory reset	Yes
Frame	Compatible with GIRA System TX44
Height	86 mm
Length	17 mm
Material	Plastic, glass
Max. Operating temperature	60 °C
Max. current	100 mA (reader unit without control unit)
Min. operating temperature	-10 °C
Mounting type	Surface mounted
Net weight	0.434 kg
Number of wall readers	One reader unit per control unit
Programming technology	RFID (13,56 MHz), Bluetooth (2,4 GHz)
Protection class IP	44
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	Yes
Radio conformity	ETSI EN 300 328

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## Technical data - TECTIQ Reader unit indoor IP44 black

Radio encryption	AES-128 Bit
Radio networked	Yes
Radio standard	Bluetooth Low Energy 2,4 GHz
Security features	Encrypted data transmission via RS485 between control unit and reader unit, separate installation of control unit and reader unit possible
Special functions	Yes, via software and app
Standalone	No
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
VdS class	ohne
signaling	Visual & acoustic
width	110 mm