TECTIQ Reader unit indoor IP44 black

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

The indoor reader unit (IP44) impresses with its scratch-resistant glass surface in elegant black. 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 black (RAL 9005), 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 mm², shielded)
- Can be administered via Bluetooth (BLE) with the TECTIQ Admin app

Technical data - TECTIQ Reader unit indoor IP44 black

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 mm², shielded)
Certifications	-
Colour	Frame and glass in black (RAL9005)
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-S

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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