TECTIQ Controller unit wallreader (in-wall)

ABUS
Security Tech Germany

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

The wallreader controller unit is used as a wallreader in combination with the TECTIQ reader unit. The device is used to control an actuator, e.g. to open a motorised lock. The permission is checked when a locking medium is presented. If the permission is valid, the controller unit activates the actuator and the employee can open the door, for example.

Convenient configuration

The relay is configured in the TECTIQ Access Manager software. Four options are possible, and the 0ffice Mode (permanently open) can be set for each switching variant.

Flexible installation, secure control

Separate installation of the reader unit (e.g. on the gate) and controller unit, wired via RS485 bus (up to 100 m cable length), offers a free choice of installation location. Thanks to the encrypted RS485 connection and flush-mounted installation of the controller unit, the remote installation ensures a high level of protection against tampering: the controller unit is not accessible from the outside and does not require a network cable. Alternatively, the reader unit is placed directly on the controller unit in the flush-mounted box for compact installation. Power is supplied via a network cable (PoE) or an external power supply unit.

No data loss in the event of a power failure

Continued operation after a power failure is ensured by buffering the date and time (up to 3 hours). After the failure, there is therefore no need to update the wall reader using the Admin app or system transponder.

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Technologies

- Flush-mounted controller unit for combination with the TECTIQ reader unit; for controlling electronic locking components such as door and gate drives, electric door openers, lifts, barriers, rolling grilles, turnstiles and other actuators
- Access control in combination with the TECTIQ reader unit (outdoor/indoor variant IP67/IP44) upon presentation of valid locking media to the reader unit
- Log function: circular buffer for up to 890 events; transfer to the TECTIQ access control center, e.g. log card or personal transponder (locking medium)
- Safe continued operation after a power failure by buffering the date and time for up to 3 hours
- Simple configuration of the relay output in the TECTIQ Access Manager software and transfer to the TECTIQ wallreader using a parameter card (NO, NO pulse, NC, NC pulse)
- Activation of Office Mode for permanent control of electronic actuators (e.g. entrance gate remains open during business hours)
- Remote mounting: high tamper protection with locally separate installation of controller and reader unit, connected via encrypted RS485 bus, up to 100 m cable length (control/network cable inaccessible from outside)
- Compact installation: simple mounting of the reader unit directly on the controller unit, which is installed in the flush-mounted box
- Installation in flush-mounted box or in IP-protected surface-mounted housing
- PoE power supply or alternatively via 12 V DC possible

Technical data - TECTIQ Controller unit wallreader (in-wall)

Administration	Access Manager software
Area of application	Activation of electronic door and access control systems (e.g. electric door opener, motorised locks, gate and barrier systems) and other actuators
Cabling	Up to 100 m distance between control unit and reader unit (4 x 0.34 mm², shielded)
Certifications	-
Clock buffering for power failure	Max. 3 hours
Colour	Signal white (RAL9003)
Connections	Two plug-in connection terminals
DC voltage supply	(terminal 1/connection 1 - 8) PoE IEEE 802.3af or (terminals 2/connection 13 - 14) external 12 V
Depth	47 mm
Ethernet interface	Power supply (terminal 1/connection 1 - 8)
Factory reset	Yes
Height	47 mm
Humidity	Max. 80 % relative humidity, non-condensing
IP protection class	20
Inputs	0

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Installation type	Indoor, in dia. 60 mm flush-mounted or cavity wall appliance junction boxes with a minimum internal depth of 53 mm (66 mm recommended) or in surface-mounted industrial housings (to DIN VDE 0606, DIN VDE 0471, DIN IEC 695)
Interfaces	RS485, Micro-USB, PoE, relay output
Item abbreviation	TEC-SG-UP-OFF
Material	Plastic
Max. Power consumption	100 mA/1.0 W (wall reader control unit without actuator/reader unit)
Max. operating temperature	60 °C
Min. operating temperature	-20 °C
Net weight	0,071 kg
Number of wall readers	One reader unit per control unit
Opening time can be set	Yes (1, 2, 4, 6, 8 or 12 s)
Programming	Admin app or system cards
RFID technology	No interface, operation via the reader unit
RS-485 interface	Connection of an external reader unit to terminal 2/connection 15-18: Bus A, Bus B, 12 V DC and GND. Setting for number of reader units: via slide switch on the control unit
Real-time clock (RTC)	Yes
Relay configuration	Bistable relay: NO, NC, NO pulse, NC pulse
Relay outputs	One potential-free relay output, dielectric strength: 60 V DC, 50 V AC, current carrying capacity: 1 A DC, 1 A AC
Security features	End-to-end encrypted data transmission via RS485 between control unit and reader unit, separate installation of control unit and reader unit possible
Signalling	Visual and acoustic signalling via the reader unit
Special functions	Office Mode for permanent activation of the locking element, e.g. during business hours
Storage type	Circular buffer: 890 events
Update capability	Yes, via app or ABUS updater cable (ACAC00043)
Width	71 mm