secu**ENTRY**

ENTRY 7174
RFID EXTENDER

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BURG WÄCHTER

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en **Operating instructions**

Dear customer,

Thank you for choosing the secuENTRY electronic locking system from BURG-WÄCHTER. The secuENTRY RFID EXTENDER allows you to easily open locks of the secuENTRY family with a transponder. It can also be used to enable opening from a distance of up to 4 m (depending on the physical environmental conditions) from the lock.

Note: If the QR code is lost or damaged, it is no longer possible to update the RFID EXTENDER firmware. However, the QR code can. also be scanned in electronically as a file or saved as a photo on a protected data carrier.

The secuENTRY RFID EXTENDERs can be used with the following versions and higher:
• secuENTRY and secuENTRY pro from Software Version 1.7
• secuENTRY easy / secuENTRY pro 7100 and secuENTRY easy plus from Software Version 1.3
• secuENTRY pro 7071 Relay from Software Version 1.4
• secuENTRY 7600

Installation

Power supply

The secuENTRY RFID EXTENDER is powered by a CR 123 A battery as standard (Fig. 1).
Alternatively, the secuENTRY RFID EXTENDER can be supplied via an external DC power source, as shown below.
Observe the polarity when connecting an external power supply unit (Fig. 2).
Requirements for the power supply unit: DC 4.9 V - 21 V, min. 500 mA
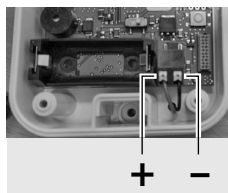

Fig. 1: CR123A-Battery

Fig. 2: Power supply connection

Please note: The housing of the extender is splash-proof and dust-proof. However, if the extender is operated via an external power supply, a hole must be drilled in the housing for cable routing. The hole can be drilled from below or from the side.

Attention: After drilling, the housing is no longer splash-proof and dust-proof. For this reason, the product loses the specified weather protection (IP65) and the associated guarantee for outdoor use.

Depending on the selected voltage source, the device must be set accordingly. The desired voltage source can be set using the slide switch on the circuit board inside the device (Fig. 5).

When the slide switch is pushed towards the battery the extender is supplied by the battery. If the slide switch is moved towards the connection terminals of the external voltage source, the extender is supplied via the external voltage source is supplied via the external voltage source.

Important: If the extender is powered by a CR 123 A battery, an external power source must not be connected at the same time.

Assembly

Important: Before installation, check the response behavior between the RFID EXTENDER at its planned installation position and the profile cylinder!

• Loosen the four housing screws on the underside of the extender (Fig. 6).
• Carefully lift the housing cover and lean it against the side of the lower part of the housing (Fig. 7).
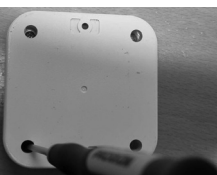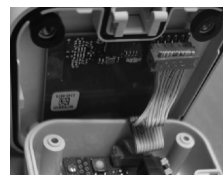 **Attention:** The two housing parts are connected by a cable.

Fig. 6: Screwing on the housing

Fig. 7: Housing parts with cable

Fig. 3: Drill hole underside

Fig. 4: Drill hole in side wall

Position for Mains operation

Position for battery operation

Fig. 5: Slide switch for selecting the power supply supply

• Carefully remove the cable plug from the circuit board (Fig. 8 and 9).
• Place the lower part of the housing on the wall at the desired position. Depending on the ambient conditions, the extender can be positioned within a maximum radius of 4 m from the lock.

ATTENTION: Ensure that the extender is correctly aligned so that it is fitted the right way round later. The two drill holes must be aligned upwards and downwards!
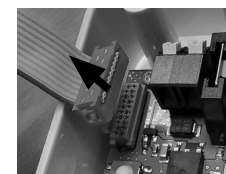
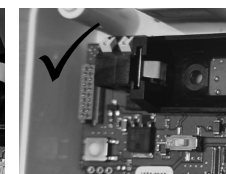• Mark the two drill holes (Fig. 10).

Fig. 8: Removing the cable plug

Fig. 9: Circuit board without cable

Fig. 10: Marking the drill holes

• Remove the extender from the wall and drill the required holes. Use wall plugs suitable for the type of wall.
• Now pick up both parts of the extender again. Check that the rubber seal is correctly positioned in the groove of the cover housing (Fig. 11).
• Reconnect the connection cable between the top and bottom. Act carefully to avoid damage.
• Close the housing. Put the housing cover back in its original position. Make sure that the indentations for the drill holes are on top of each other and that the connecting cable between the cover and the base is not stretched (the connector sockets of both circuit boards must be close to each other).

ATTENTION: When closing the cover, make sure that the connection cable is folded neatly, but do not kink it (Fig. 12).

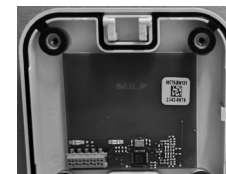• Close the housing with the housing screws (Fig. 13).
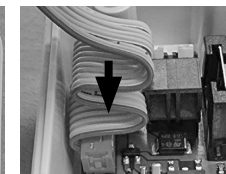

Fig. 11: Rubber seal

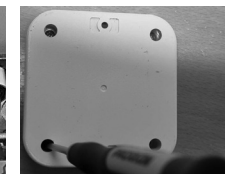*Fig. 12: Inserting the cable plug and fold the cable*

Fig. 13: Screwing the housing shut

- On the cover of the extender you will find two covers at the top and bottom covers that cover a shaft up to the drill holes. Open the covers.
- Screw the extender to the wall through the screw shafts (Fig. 14).
- Once the extender has been firmly mounted with both screws, close the covers again (Fig. 15).

Fig. 14: Mounting the extender

Fig. 15: Extender in closed state

Battery change

- Loosen the covers of the screw shafts and remove the RFID EXTENDER from the wall (Fig. 16).
- Loosen the four housing screws on the back and open the device.
- Remove the old battery and dispose of it properly.
  Tip: You can find information on this in the chapter "Disposal of the device".
- Insert a new CR 123 A battery. Ensure that the polarity is correct. The correct orientation is marked in the housing as an aid (Fig. 17).
- Check that the rubber seal is correctly positioned in the groove of the cover housing.
- Close the housing. Put the housing back in its original position. Make sure that the indentations for the drill holes are on top of each other and that the connecting cable between the cover and the base is not stretched (the connector sockets of both circuit boards must be close to each other).

CAUTION: When closing the cover, make sure that the connecting cable is folded neatly, but do not kink it (Fig. 18).

- Tighten the four housing screws again and mount the RFID EXTENDER back on the wall.
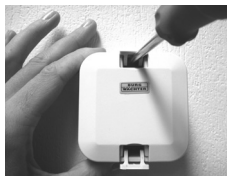

Fig. 16: Releasing the extender *Fig. 17: CR123A battery* *Fig. 18: Folding the cable*

Registration process and firmware update

Set RFID EXTENDER to programming mode

- Loosen the covers of the screw shafts and detach the RFID EXTENDER from the wall (Fig. 19).
- Loosen the four housing screws on the back and open the device.
- There is a button next to the connection cable (Fig. 20). Press this button continuously for 5 seconds.
- After these 5 seconds, you will hear a beep to confirm. The RFID EXTENDER is now in programming mode for 120 seconds. During this time, a green LED flashes to indicate when the 120 seconds have elapsed.
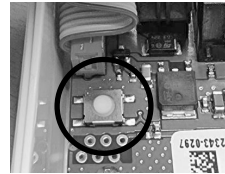

Fig.19: Loosening the extender *Fig. 20: Press button*

Register transponder

- Register the 7710 RFID transponder to the profile cylinder using the BURGsmart app or secuENTRY software or via a keypad
- Activate programming mode as described above
- Bring the RFID EXTENDER close to the profile cylinder
- Hold the 7710 RFID-Transponder on the extender until a signal tone sounds. Make sure that the transponder is positioned correctly on the on the reading range of the extender. This is located where the BURG-WÄCHTER logo can be seen on the Extender (see Fig. 21/22).

Fig. 21/22: Reading range of the RFID EXTENDER

- After a short time, another signal tone sounds and the profile cylinder engages. The RFID EXTENDER is now registered on the profile cylinder.
- Please repeat this process if the registration process fails.

Firmwareupdate

When the extender is in programming mode, firmware updates can be installed using the BURGsmart app or the secuEntry software.

Operation

- Place the authorised opening transponder on the extender directly on the BURG-WÄCHTER sticker.
- Wait until you hear a short signal tone.
- After a short moment, one or more beeps follow, which give you an indication of the opening authorisation or the battery status of the profile cylinder and the extender.

Signal tones

Transponder was recognised	1 beep
Opening process successful	1 beep
Permanent opening ended	2 beeps
Value not achieved	3 beeps
Change battery	5 beeps
No opening authorisation	8 beeps
Unit was not found	Continuous beeping

Warranty

In order to deliver a flawless and high quality product to you and to better assist you in case of service or repair, it is necessary that faulty or defective devices along with the valid administrator code be presented to your dealer together with the original documentation.

For returns, all undamaged device parts must furthermore be in the factory setting due to your right of revocation. Failure to comply with this will invalidate the warranty.

Disposal of the device

Dear customer,

Please help us avoid unnecessary waste. Should you intend to dispose of this device at any time, please remember that many components of this device contain valuable materials that can be recycled.

Please be aware that electrical and electronic equipment and batteries marked in this way must not be disposed of with household waste but collected separately. Please obtain information on the collecting points for electrical waste from the responsible authority of your city/municipality.

BURG-WÄCHTER KG hereby declares that this device complies with the Directives 2014/30/EU, (EMC) and 2011/65/EU (RoHS).

The complete text of the EU Declaration of Conformity is available at the following Internet address:
https://burg.biz/pages/eu-konformitaetserklaerung

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