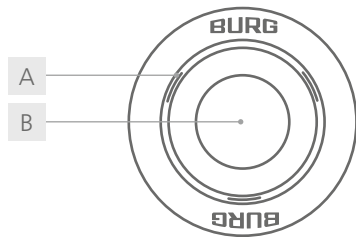




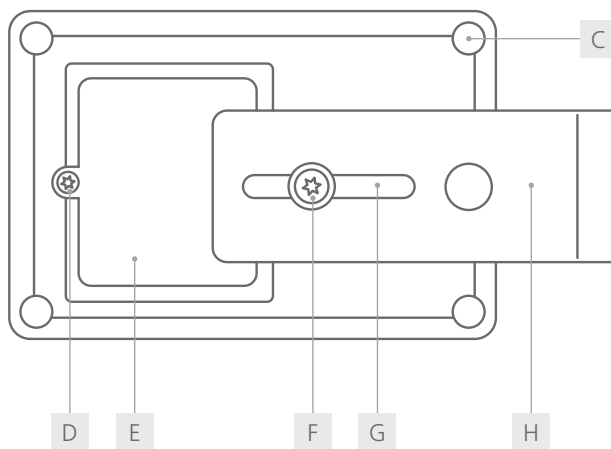
Corona Operation Manual

Corona

Knob



Locking unit



- | | |
|---|--------------------------|
| A LED | B RFID sensor |
| C Mounting hole | D Fixing screw |
| E Battery compartment | F Latch adjustment screw |
| G Knob fixing screw
<i>(hidden by the latch)</i> | H Latch |

General

The latest version of this guide is available at:
www.burg.de

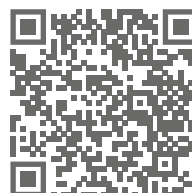
Important notes:

- Please observe all important notes and read the entire operating manual before starting the configuration.
- Master cards must be kept in a safe place. If lost, no further configurations can be made.

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To the video:
assembly (wood)



To the video:
assembly (steel)



For online viewing, click on QR codes.

Factsheet

Knob



Technical data	
Dimensions	knob: Ø 41 mm locking unit: 98 x 66 x 40 mm
Batterie ¹	VARTA ¹ CR123A (2x)
Locking cycles	Corona I: up to 30.000 ² Corona II: up to 45.000 ² Corona II IoT: up to 25.000 ²
Material	knob: plastic / silicone locking unit: zamak
Humidity (rel.)	96%
Working temperature	0°C bis 55°C
Application area	indoor
Max. door thickness (Corona I & II)	wood: 16 mm, 19 mm, 22 mm steel: 3,5 mm
Max. door thickness (Corona II IoT)	wood: 19 mm, 21 mm steel: 3,5 mm
Lock attachment	wood: screw (4x) steel: M19 nut (1x)
Locking direction	left (90°), door hinge: DIN right right (90°), door hinge: DIN left
Mode	Multi-user mode, Private mode
RFID types	<u>125 kHz</u> T5577; EM4102 <u>Corona I</u> MIFARE® Classic (read / write), <u>Corona II</u> MIFARE® Classic (read / write), MIFARE® DESFire® EV (lesen), HID iClass® (read), Ultralight® (read), LEGIC® Advant (read), NTFAG (read)
No. of master cards	max. 3
No. of user cards	125 kHz: max. 50 Corona I / Corona II: max. 40

Locking unit



Default settings	
Mode	Multi-user mode
LED locking indications	on
Sound signals	on
Locking / Unlocking	manually
Area restriction ^{3,4}	none
Locking numbers ^{3,4}	deleted (=0)
Closure duration ⁴	off
Room information ³	off

Scope of delivery

- 1x locking system
- 1x fixing material (incl. screws)
- 2x battery (VARTA CR123A) ⁵

Optional accessories

- function cards

Features

- ergonomic handling and high-quality design
- robust housing thanks to high-quality Zamak components
- integrated LED lock indicator
- integrated occupancy indicator for MIFARE® Classic
- latch system: door locks by pressing
- easy to retrofit, e.g., to replace mechanical locks
- also available as a wireless networked locking system "IoT"

¹ The lock is approved for VARTA brand batteries. The use of other batteries may lead to malfunctions (s. point „battery note“).

² Test value for consecutive locking cycles with one set of VARTA batteries. In everyday use, factors such as usage profile, temperature-dependent self-discharge, battery quality, and the standby current of the electronics limit the achievable number of cycles. The actual number may therefore vary. For further information, see p. 12 "Information on battery life".

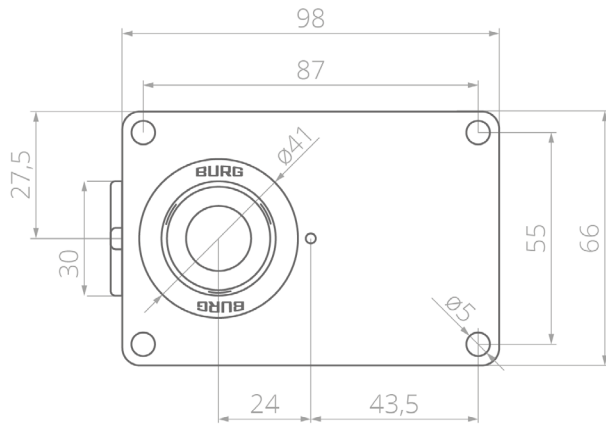
³ Applies only to the Corona I.

⁴ Applies only to the Corona II.

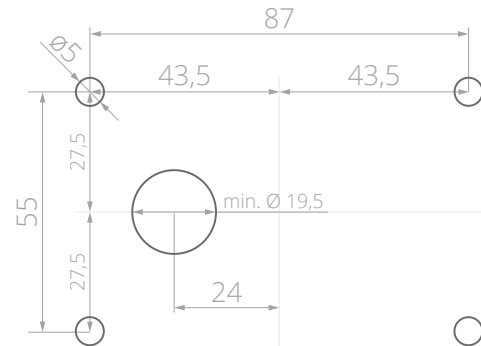
⁵ Subject to consultation. May vary for air and ocean freight delivery.

Product dimensions ¹

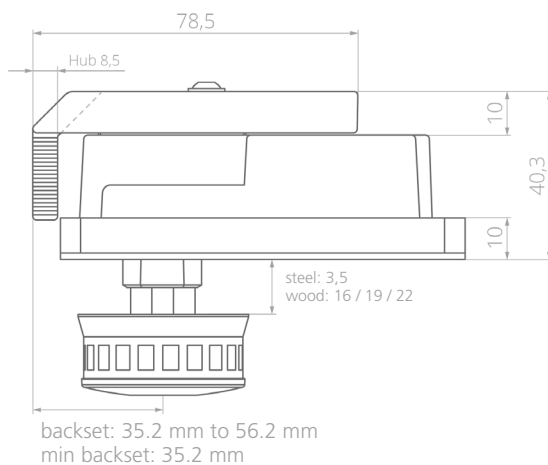
All dimensions are in millimeters.



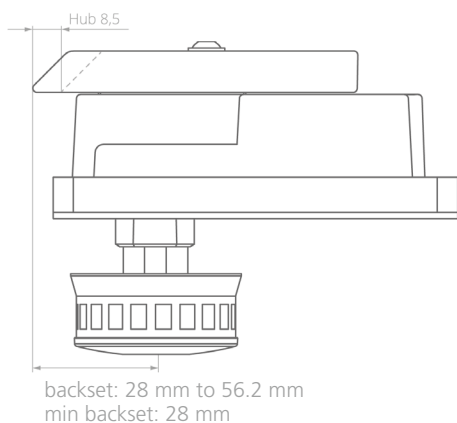
Mounting dimensions ¹



With latch adjuster:



Without latch adjuster:



Range of features

	Corona II	Corona I	125 kHz
Mode:			
Privat mode	•	•	•
Multi-user mode	•	•	•
Integrated functions:			
Battery warning	•	•	•
block mode	-	•	•
Reset funktion	•	•	•
Logging	•	•	-
Optional functions:			
Automatic locking	•	•	•
Manual locking	•	•	•
Occupancy indicaton	•	•	•
Occupancy indicaton on several levels	•	•	•
LED locking indication	•	•	•
Sound signals	•	•	•
Functions adjustable via PC software:			
Automatic locking/ unlocking at a certain time	•	•	-
Time window usage	•	•	-
Locker numbers	•	•	-
Branch ID	•	•	-
Lock level	•	•	-
Clusure duration	•	-	-
Room information	•	-	-
Functions adjustable via management software:			
Check-in function	•	•	-
Check-out condition	•	•	-
Battery level	•	•	-

¹ Mounting dimensions and templates (STEP files) for milling, punching or lasering can be requested from BURG. Valid for all versions from production daten 02-2022. The version date is located on the back of the locking system.

Functional description

Mode: Fixed assigned authorization (private mode)

In this mode, a transponder medium is preset with which the lock can be operated. This mode is suitable for user groups where the user rights do not have to change permanently. The lock can be opened and closed with any stored transponder. Transponder media that are not stored are rejected by the lock.

Mode: aulti user authorization (multi-user mode)

This mode is suitable for constantly changing users who use the compartment temporarily or once, e.g. in a sports facility. Transponder media are valid for a single locking process and are deleted by the lock when it is opened again. The lock remains in the open state until it is locked again. Before locking, the door must be closed (slightly pressed). To lock the door, the user holds a transponder centrally in front of the lock.

Master card

The master card can open the lock regardless of the selected mode (emergency opening). In multi-user mode, the transponder used to lock the door is deleted from the lock. The master card also authorizes the user to configure the lock.

Occupancy identification (for multi-user mode)

During the locking process, the transponder used for locking is provided with an occupancy identification. This occupancy identification prevents the transponder from locking any other lock. The occupancy identification is cleared during the unlocking process.

Note: This function is only available with MIFARE® Classic transponder media. The occupant identification can also be deleted from the transponder using the Release Box or the master card (see the "Configuration" chapter, section 5, "Releasing Occupied Transponders") (e.g., after the door has been opened with the master card).

Block mode

If an unauthorized transponder is held in front of the lock 100 times in quick succession, the lock will lock for 180 seconds. During this time, the lock cannot be operated. Transponders are rejected by the red LED flashing 8 times. Lockout mode can also be ended by holding the master card in front of the lock.

Battery warning

If the battery voltage drops below a certain level (Phase 1), three descending sounds are emitted when a transponder is held near the lock. The lock can still be operated. If the voltage drops further (Phase 2), the lock can no longer be closed and can only be opened with the master card. If the voltage drops into the critical range (Phase 3), the lock can no longer be operated.

Note: With the Corona II, the lock can still be operated even when the battery is low. When the battery is low, the LED flashes red at short intervals. You can set a custom time interval for the battery warning via the LED indicator.

LED locking indication

When the lock is locked, the red LED flashes at short intervals. This feature can be turned on or off.

Automatic locking (Private Mode)

After opening, the lock closes automatically after a few seconds. The latch function allows the door to be closed by pressing it lightly. The following locking times are available:

locking time 1	8 sec.
locking time 2	20 sec.

Note: With the automatic closing process, configuration steps (e.g., programming transponders) are ended. To prevent damage to the lock, the bolt must be able to extend fully without any problems, and the door must close without any pressure.

Reset 1: Function reset

All functions are reset to default settings. All settings previously made are deleted.

Reset 2: Transponder reset

All assigned transponders are deleted from the lock.

Note: Corona I: Using the "Transponder Reset" function card, you can delete all assigned user cards, including master cards, at the same time.

Corona II: Using the "Transponder Reset" function card, you can only delete all assigned user cards.

Logging function (for Corona I / Corona II)

The last 12 (Corona I) or 40 (Corona II) actions performed at the lock are logged and can be retrieved and displayed using a log card.

Note: The logging function can only be used as part of a paid service call by a BURG employee.

General card (for Corona I / Corona II)

The general card is configured at the factory and transfers the master card IDs to the lock. Master cards can be assigned, deleted, or overwritten with new master cards using the general card.

Note: The general card can only be used as part of a paid service call by a BURG employee.

Lock level (for Corona I / Corona II)

Grouping the locks into different levels allows a single transponder to operate multiple locks even when the occupancy identification is active. This is particularly useful in locker rooms, where both lockers and security deposit boxes are used. With the transponder, one lock from each level can then be operated at a time.

Branch ID (for Corona I / Corona II)

A branch ID authorizes a transponder to operate a specific group of locks. Locks and transponders are assigned the same encrypted branch ID. If these do not match, the lock group cannot be operated with the transponder.

Automatic opening and locking (for Corona I / Corona II)

The lock opens and locks automatically at times that can be set individually.

Locker numbers (for Corona I / Corona II)

When a lock is closed, the locker number is transmitted to the transponder. This number can then be read, for example, using the BURG terminal.

Period of use (for Corona I / Corona II)

The lock can only be operated within the individually defined usage period. Outside of this period, transponder (except for opening the lock) will be rejected.

Closure duration (for Corona I / Corona II)

The lock duration defines the maximum length of time a lock may remain locked after it has been closed (selectable starting at 2 hours). Once the lock duration has elapsed, the lock opens automatically.

Room information (for Corona I / Corona II)

The transponder allows you to read the locker number and location.

Check-In function (for Corona I / Corona II)

With the check-in function, the transponder is granted authorization to use the lock. Without this authorization, the transponder cannot perform any actions on the lock. Authorization is granted via a read/write device during check-in. The device uses a future date, which is verified when the lock is operated. If the date is in the future, the transponder is accepted.

Note: We recommend consulting with the provider of the management software before setting up this feature to prevent problems during the writing process.

Battery status (for Corona I / Corona II)

The current battery level is transmitted to the transponder when the lock is operated. The battery level can be read from the transponder, for example, during checkout.

LED and sound signals for Corona I

1x Green LED (brief flash)

The lock begins the reading process.

1x Red LED (lights up for 5 seconds) / 2x 🔊 (increasing)

Successful locking operation.

Red LED (flashing continuously)

The lock is closed.

1x Green LED (lights up for 5 seconds)

Successful unlocking operation.

3x 🔊 (descending)

The batteries should be replaced as soon as possible.

Red LED (flashing when the transponder is held up)

The lock is in lock mode.

Green and red LED (alternating flashing)

There is a hardware problem. Repeat the opening and closing process several times. When the door is open, try pulling the latch (see p. 2) outward. If the problem persists, contact BURG Service.

8x Red LED (flashing) / 4x 🔊

The transponder is rejected. Possible reasons include:

- The transponder has already been used to lock a lock.
- The lock is already locked.
- The transponder was not checked in correctly.
- The branch IDs do not match.
- The lock is in battery replacement mode.
- The distance at which the transponder was held in front of the lock was too short or too long.

LED and sound signals for Corona II

Red LED (flashing continuously)

The lock is closed.

1x Red LED / 2x 🔊 (increasing)

Successful locking operation.

1x Green LED / 2x 🔊 (descending)

Successful unlocking operation.

1x Green LED / 🔊 2x (descending) und 2x (increasing)

Successful unlocking with the master card.

3x 🔊

The transponder is rejected (the reasons for this are listed under "LED and sound signals for Corona I").

4x 🔊

The lock rejects this type of card because it is not a user transponder.

4 Sek. 🔊 (short ticking)

The lock is in training/configuration mode.

2x 🔊 (increasing, after configuration step)

Erfolgreicher Einstellung einer Funktion.

3x 🔊 (descending, when unlocking / locking)

Battery warning.

Green LED double flash (while open)

Battery warning.

Red LED double flash (while locked)

Batteriewarnung.

7x Red LED double flash / 4x 🔊

Battery Replacement Mode.

4x 🔊 when changing the battery

A battery that is not fully charged has been inserted.

Green and Red LED alternating flashes

Existing problem with the motor.

Guarantee of Transponder Compatibility

When using RFID transponder media that have not been approved by BURG, no guarantee of compatibility is given.

Configuration

Unauthorized transponders are rejected by the lock, with four consecutive sound signals and the red LED flashing 8 times.

1 Assigning master card (Corona I / 125 KHz)

With the Corona II version, master cards can only be configured at the time of ordering or through a paid service call.

1. Open the battery compartment and remove the external battery (see page 10, "Replacing the Battery," for instructions).
2. Press the white button on the circuit board. You'll hear a ticking sound.
3. Hold the master card you want to assign in front of the knob, for 5 seconds. Two ascending sound signals confirm the successful process.
4. If necessary, hold additional master cards in front of the knob while the lock is ticking.
5. Reinsert the battery and close the battery compartment.

Note: A total of 3 master cards can get assigned.

2 Assigning user card (Private mode)

1. Unlock the lock.
2. Hold the master card in front of the knob. The lock will start to tick.
3. Hold the user card you want to assign in front of the knob. Two ascending sound signals confirm the successful process.
4. If necessary, hold additional user cards in front of the knob while the lock is ticking.

Note: A total of 40 user cards (or 50 user cards for the 125 kHz version) can get assigned.

3 Deleting user card (Private mode)

1. Unlock the lock.
2. Hold the master card in front of the knob. The lock will start to tick.
3. Hold the user card you want to delete in front of the knob. Four sound signals confirm the successful process.
4. If necessary, hold additional user cards in front of the knob while the lock is ticking.

4 Activating and deactivating functions

Function cards: multi-user mode, private mode, sound signals, LED locking Indication, automatic locking, reset function (Reset 1), transponder reset (Reset 2).

1. Unlock the lock.
2. Hold the master card in front of the knob. The lock will start to tick.
3. Hold the function card in front of the knob, centered. Two ascending sound signals confirm the successful process.

5 Release Occupied Transponders (Corona I / 125 KHz)

With the Corona II model, the transponder can only be released using a transponder release box.

1. Unlock the lock.
2. Hold the master card in front of the knob. The lock will start to tick.
3. Hold the master card again front of the knob. Wait for two ascending sound signals.
4. Hold the transponder you want to release in front of the knob. Two ascending sound signals confirm the successful process.
5. If necessary, hold additional user cards in front of the knob while the lock is ticking.

Operation

Unauthorized transponders are rejected by the lock, with four consecutive sound signals and the red LED flashing 8 times.

1 Lock

When automatic locking (Private Mode) is activated, the lock closes automatically within a few seconds. The door can be locked by pushing it shut.

1. Close the door.
2. Hold the user card in front of the knob. Two ascending sound signals and the red LED confirm the successful process.

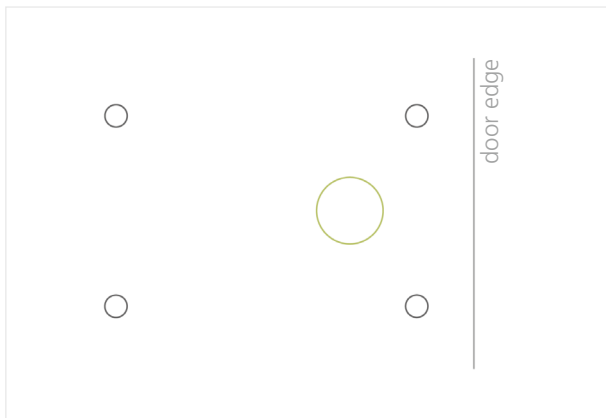
2 Unlock

1. Hold the user card in front of the knob. Two ascending sound signals and the green LED confirm the successful process.
2. Turn the knob and open the door.

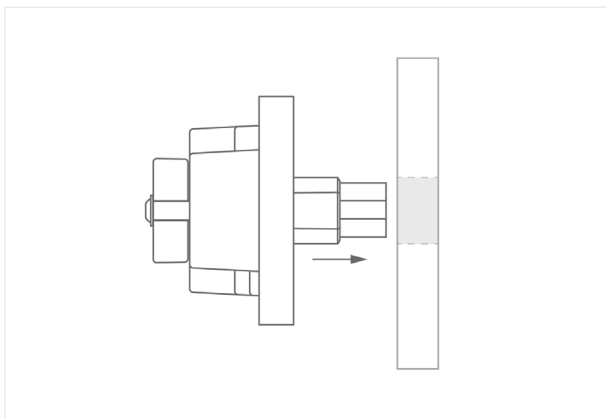
Assembly

Mounting dimensions and templates (STEP files) for milling, punching or lasering can be requested from BURG.

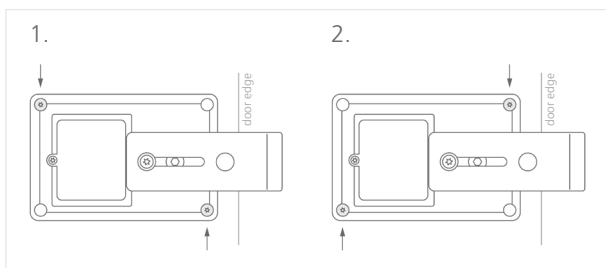
- 1 Prepare the mounting holes on the door front according to the installation dimensions. When doing so, do not drill the four frame holes all the way through the material.



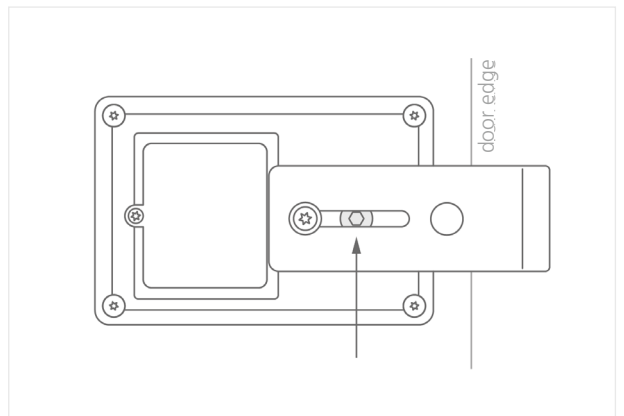
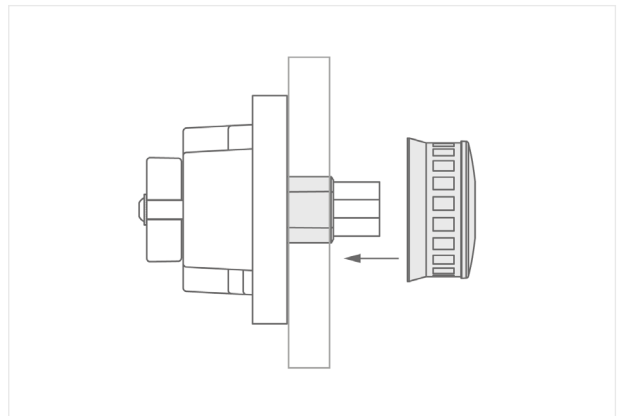
- 2 Insert the locking unit from the back (inside of the door) into the mounting holes and hold it in that position.



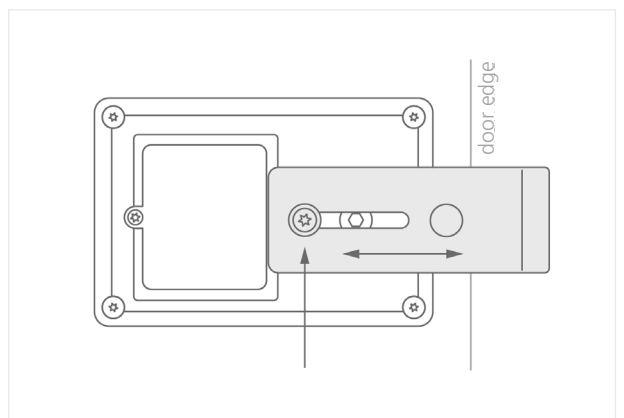
- 3 Secure the locking unit using the four Torx screws (Torx 20) provided. Tighten the screws diagonally and one at a time.



- 4 Place the knob from the front (outside of the door) onto the knob shaft. Make sure that the spring contacts in the knob are aligned with the gold-colored connectors on the knob shaft. Hold the knob in this position and tighten it from the back (inside of the door) using a 2.5 Allen wrench, applying a maximum torque of 3 Nm.



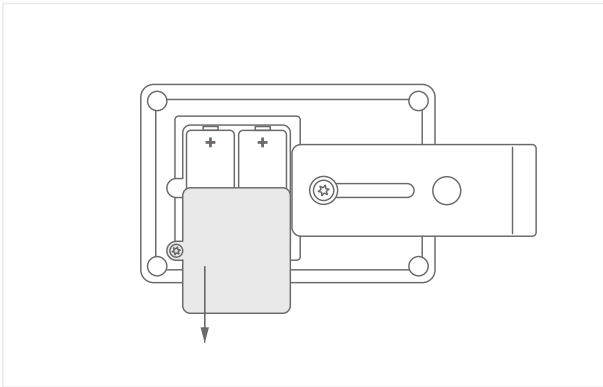
- 5 Adjust the latch. To do this, loosen the latch adjustment screw enough so that the latch can be moved. With the door closed, slide the latch so that it is positioned behind the strike plate or the rebate (for metal lockers). Tighten the latch adjustment screw.



Battery Change

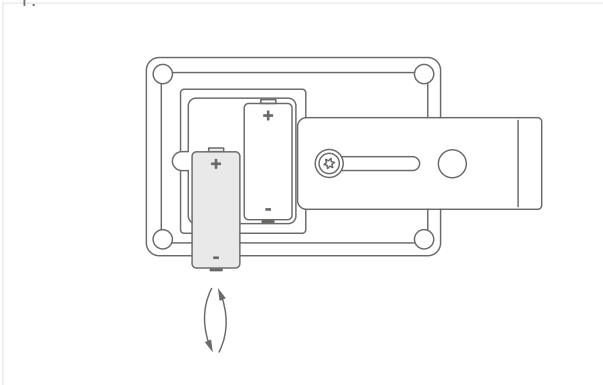
Depending on the position of the latch, it may need to be adjusted in order to open the battery compartment. In this case, it is recommended that you mark the position of the latch with a pen beforehand.

- 1 Loosen the battery compartment screw (Torx 8) on the back of the locking system and remove the battery compartment cover.

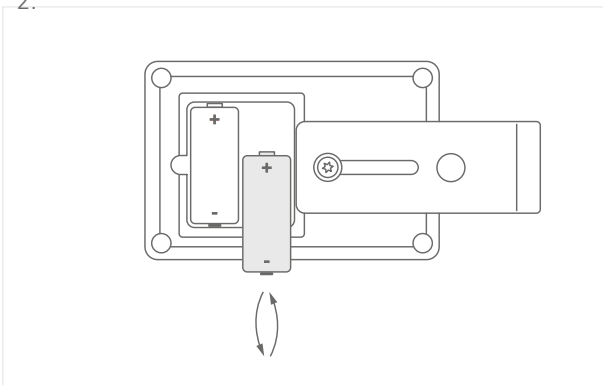


- 2 Replace the batteries according to the (+/-) symbols. Replace the batteries one at a time - **never** remove both at the same time. At least one battery must always remain in the lock.

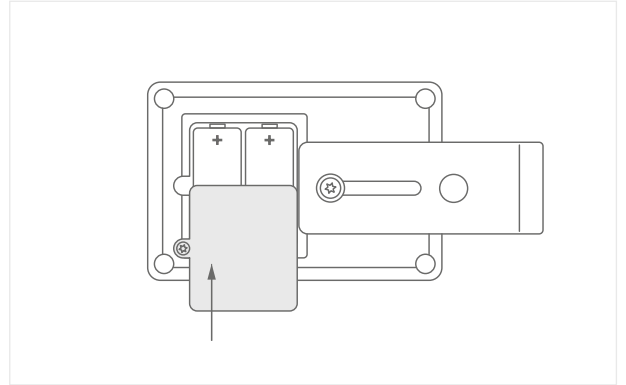
1.



2.



- 3 Replace the battery compartment cover and secure it with the battery compartment screw.



Disposal and Battery Note

EU Directive 2012/19/EU regulates the proper take-back, treatment and recycling of used electronic devices.

Every consumer is legally obliged to dispose of batteries, rechargeable batteries or electrical and electronic devices ("old devices") that are powered by batteries or rechargeable batteries separately from household waste, as they contain harmful substances and valuable resources. They can be disposed of at an approved collection or take-back point, e.g. a local recycling center. Old appliances, batteries and rechargeable batteries are accepted there free of charge and recycled in an environmentally friendly and resource-saving manner. Old electrical appliances, used batteries or rechargeable batteries can also be returned to us. The return shipment must be sent with sufficient postage to the address below. The following symbol on waste electrical equipment, batteries or rechargeable batteries indicates that they must not be disposed of with household waste:



Important notes on the use of batteries:

- The use of high-quality brand batteries is essential for the correct functioning of the locking system. BURG locking systems are approved ex works for the specified industrial batteries of the VARTA brand. The use of batteries of other brands can lead to a reduced number of possible locking cycles as well as to limited functionality and functional problems, as experience has shown that batteries of other brands even with the same specifications have different performance characteristics. BURG does **not guarantee** the functionality of the locking system when using batteries of a brand other than those specified above.
- If both batteries are removed at the same time when changing the batteries or over a longer period of time, settings relating to the integrated real-time clock (RTC) will be lost.
- The battery may explode or release flammable gases if it is handled incorrectly, destroyed or the wrong type of battery is used. Do not recharge the battery, disassemble it, expose it to extremely high temperatures or throw it into a fire. Batteries containing harmful substances are labeled with abbreviations for the substances cadmium (*Cd*), mercury (*Hg*) and lead (*Pb*). If the lock is not used for a longer period of time, the batteries must be removed.

Information on battery life



For online viewing,
click on QR codes.

Guarantee and Warranty

The warranty is subject to the statutory provisions. If you have any questions, please contact a specialist dealer or use the contact details below. Spare parts can be found at specialist dealers or at: www.burg.shop

Cleaning and Care Instructions

Remove the batteries before cleaning the appliance. Carefully clean the surfaces of the appliance with a damp, clean cloth. Chemical cleaning agents must not be used. Do not allow dust or liquids to enter the device.

Contact

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