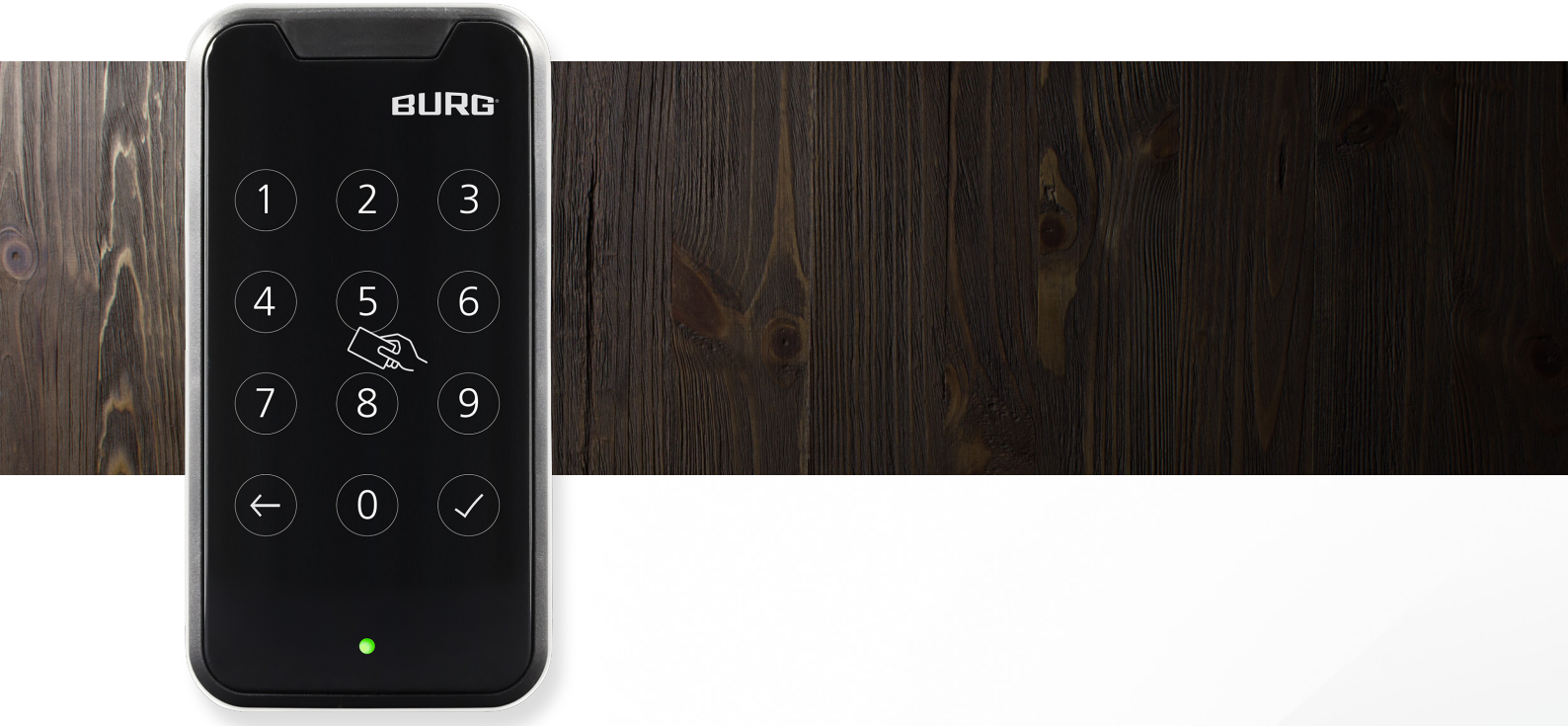


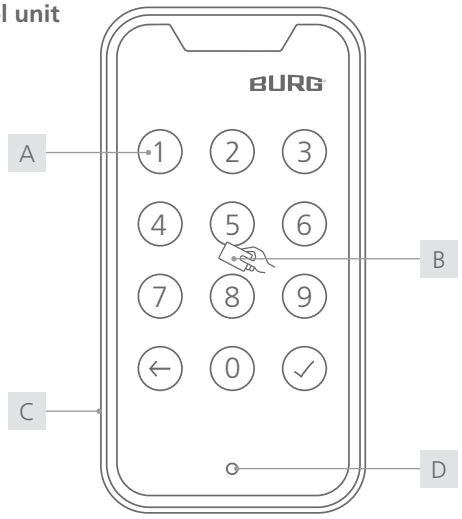
TwinPad

Operating Manual

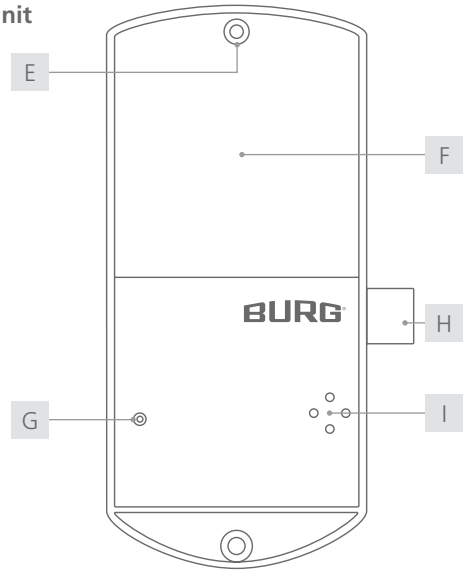
www.burg.de

TwinPad

Control unit



Back unit



A	tochpad key	B	RFID antenna
C	USB-C port	D	LED
E	battery cover screw	F	battery cover
G	reset hole	H	latch
I	beeper		

Content

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.
- Before putting the locking system into operation, refer to “Commissioning” on page **5**.
- Master cards and master codes must be kept in a safe place. If lost, no further configurations can be made.
- Cover the reset hole (see illustration) with a black sticker to detect any attempts at tampering.

To the video:
operation

To the video:
assembly

Factsheet

Control unit

Back unit

Technical Data

Dimension	control unit: 107 x 56 x 13 mm back unit: 140 x 65 x 25 mm
Battery	VARTA[1] AA (4x)
Locking cycles[1]	approx. 10,000
Material	control unit: plastic, metal back unit: plastic
Humidity (rel.)	10% - 85%
Temperature range	working temperature: 0°C to 55°C storage temperature: 0°C to 55°C
Degree of soiling	2
IP class	IP30
Application area	indoor
Mounting dimension	(s. p. 4 „mounting dimensions“)
Max. door thickness	30 mm
Lock attachment	threaded screw M4 x 30 mm (2x), threaded screw M4 x 25 mm (2x)
Locking direction	left (90°), door hinge: DIN right right (90°), door hinge: DIN left
Mode	multi-user mode (default), private mode
RFID types	MIFARE® Classic (read), MIFARE® DESFire® EV (read)
No. of master cards	max. 3
No. of user cards	max. 10
No. of poss. codes	99,999,999
Code length	4 to 8 digit
No. of master codes	max. 1
No. of codes	max. 1

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

Default Settings

Mode	private mode
Master code	934716
Code (private mode)	1234
Code length	4 to 8 digits
Signal tones	loud

Scope of Delivery

- 1x locking system (control and back unit)
- 1x spring-loaded strike plate
- 2x threaded screw (M4 x 25 mm)[2]
- 2x threaded screw (M4 x 30 mm)[2]
- 3x wood screw (ST3,5 x 20 mm)[2]
- 1x battery cover screw (3 x 8 mm)[2], pre-assembled
- 1x reset pin
- 1x RFID card (MIFARE® Classic)

Optional Accessories

- batteries (VARTA[1] AA)
- master card
- user card
- function card set „volume“ (loud, quiet, off)

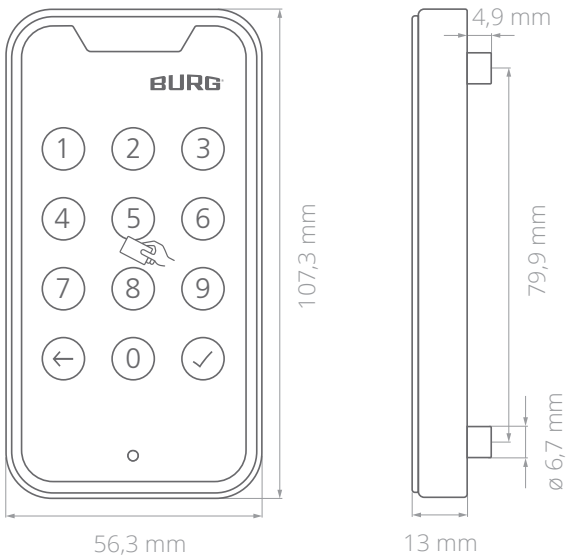
Features

- slim front unit with metal frame (only 13 mm thick)
- dual mode: operation via code and RFID
- RFID types: MIFARE® Classic, MIFARE® DESFire® EV
- latch function - door locks when pushed
- can be used in wooden and metal doors
- flexible installation options (right, left, and drawer)
- adjustable volume of signal tones (loud, quiet, off)
- emergency power supply via USB-C port

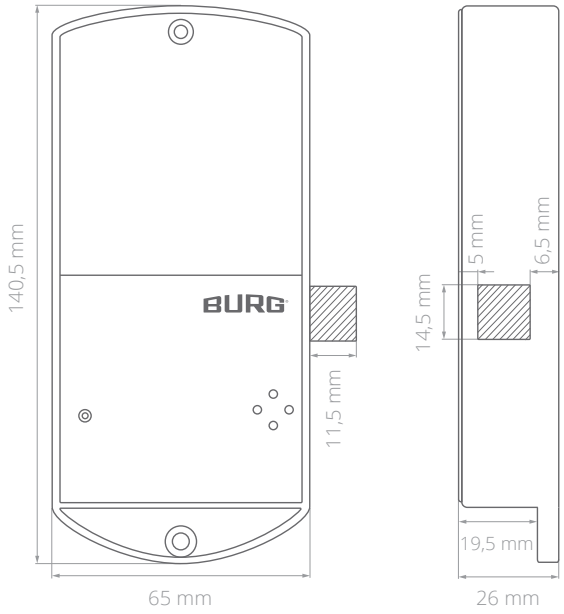
[2] The use of a screw with a different length may cause damage to the lock.

Product Dimensions[1]

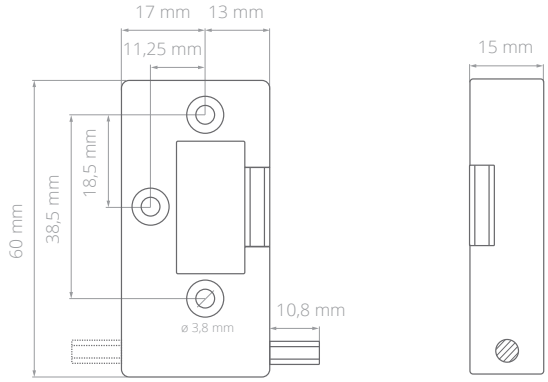
Control unit



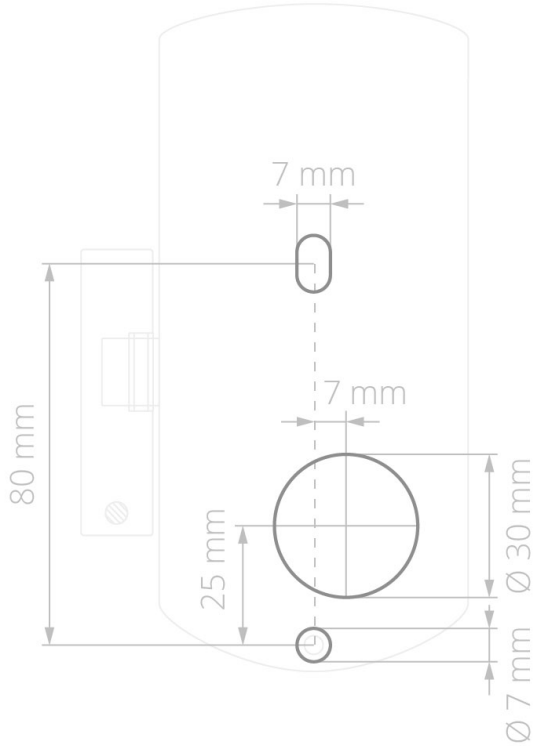
Back unit



Strike plate



Mounting Dimensions[1]



Functional Description

Mode: multi-user authorization (multi-user mode)
This mode is suitable for changing user groups where the locker is only used temporarily or once, e.g. in a sports facility. Codes or transponder media are valid for a single locking process and are deleted from the lock when the compartment is reopened. The lock remains open until a new code or transponder medium locks the lock again.

Mode: fixed assigned authorization (private mode)
In this mode, a code or transponder medium is preset with which the lock can be operated. This mode is suitable for user groups where the usage rights should not change permanently, e.g. for an office cabinet. The lock can only be operated with a stored code or transponder medium. Codes or transponder media that are not stored are rejected by the lock.

Master card
The master card can open the lock regardless of the set mode (emergency opening). In multi-user mode, the transponder medium used for locking is deleted from the lock. The master card also authorizes the programming of user cards (in private mode).

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

Mastercode
The master code authorizes the programming of the lock. In addition, the master code can unlock the lock independently of the set mode (emergency opening). In multi-user mode, the code used for locking is deleted after the master code is entered. The master code also authorizes the deletion of user codes, change the master code and assigning master cards.

Note: We recommend programming a private master code during commissioning.

LED locking indication
If the lock is locked, the green LED flashes at short intervals.

Signal tones
The volume of the signal tones can be adjusted using the "Volume" function card set (loud, quiet, off).

Automatic locking (for private mode)
After unlocking, the lock locks automatically after a few seconds. The latch function allows the door to be closed by pressing slightly.

Block mode
Wird der Code viermal hintereinander falsch eingegeben, sperrt das Schloss für 60 Sekunden. Die grüne LED blinkt in kurzen Abständen auf. In diesem Zeitraum kann das Schloss nicht bedient werden. During the block mode, the lock can be opened with the transponder medium.

Battery warning
If the battery voltage falls below a certain level (*phase 1*), a short beep sounds when a transponder medium is presented or a code is entered. The lock can still be operated. If the voltage falls into the critical range (*phase 2*), three consecutive beeps sound and the lock can no longer be operated.

LED & Sound Signals

Green LED (flashes briefly) / signal tone (1x short)
Acceptance of authorized transponder media and successful opening process, closing process, configuration step, or mode change.

Green LED (flashing)
The lock is in configuration mode.

Green LED (3x flashing) / signal tone (3x short)
Rejection of unauthorized codes or transponder media.

Guarantee of Transponder Compatibility

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

Commissioning

We recommend programming a private master code during commissioning.

1 First steps

1. Remove the lock from the packaging and open the battery compartment (for help, see page **10** "Battery change").
2. Insert the batteries according to the (+ / -) symbols. Wait for the beep, and the green LED. Close the battery compartment.
3. Assign the **master card** and set the **master code** (chapter: Configuration, point **2** „Master code / Code setting" and point **3a** „Master card").

Configuration

Unauthorized cards or transponder media are rejected by the lock with three consecutive beeps.

1 Change mode

When the mode is changed, all functions are reset to the default settings of the mode to which it was changed.

1. Open the battery compartment and remove one battery (for help, see page **9** "Battery change").
2. Press the reset pin carefully into the reset hole (see fig. p. **2**) and keep it pressed. Reinsert the battery.
3. One beep for private mode or two beeps for multi-user mode confirm the successful process.
4. Remove the reset pin. The latch moves out (private mode) or moves in (multi-user mode).

2 Master code / code setting

You can only store **one** master code or **one** code. When a new master code / code is stored, the active master code / code will be overwritten. The master code / code can be 4 to 8 digits long. !

a) Set the master code

1. Enter master code:

   Mastercode + ←

   A beep sounds, the green LED starts flashing.

2. Enter new master code:

   xxxx (xxxx) + ✓

   A beep confirms the successful process.

b) Set the code (private mode)

1. Enter code:

   Code + ←

   A beep sounds and the green LED starts flashing.

2. Enter new code:

   xxxx (xxxx) + ✓

   A beep confirms the successful process.

c) Reset the code

In multi-user mode, the code used for locking is deleted after the master code is entered. In private mode, the code is reset to the default setting. !

1. Enter master code:

   Mastercode + ✓

   A beep and the green LED confirm the successful process.

3 Assign cards

a) Master card

1. Enter master code:

   Mastercode + ←

   A beep sounds, the green LED starts flashing.

2. Hold the master card to be assigned in front of the lock. A beep and the green LED confirm the successful process.

3. If required, hold further manager cards in front of the lock while flashing.

4. Wait until the LED stops flashing.

Note: Max. **2** *master cards can be assigned.*

b) User card (private mode)

1. Hold the master card **2x** centrally in front of the lock. The first time the card is held in front of the lock, a beep sounds and the green LED lights up. The lock is now unlocked.When the card is held in front of the lock again, a short beep sounds and the green LED starts to flash.

2. Hold the user card to be assigned centrally in front of the lock. A beep and the green LED confirm the successful process.

3. If required, hold further user cards in front of the lock while flashing.

4. Wait until the LED stops flashing.

Note: Max. **10** *user cards can be assigned.*

c) Benutzerkarte löschen (Privat-Modus)

1. Hold the master card **3x** centrally in front of the lock. The first time the card is held in front of the lock, a beep sounds and the green LED lights up. The lock is now unlocked.When the card is held in front of the lock again, a short beep sounds and the green LED starts to flash.

2. Hold the user card to be deleted centrally in front of the lock. A beep and the green LED confirm the successful process.

3. If required, hold further user cards in front of the lock while flashing.

4. Wait until the LED stops flashing.

4 Set signal tones

a) Via function card

1. Hold the function card centrally in front of the lock.

2. A beep and the green LED confirm the successful process.

b) Via confirmation key

The confirmation button can be used to switch the signal tones on or off.

1. Press and hold the confirmation key (✓) for approx. 4 seconds.
2. A beep and the green LED confirm the successful process.

5 Reset to default settings

This process deletes all master cards and user cards. The master code and code are reset to the default settings. The set mode remains active.

1. Slightly press the reset pin into the resethole (Fig. p. **2**).
2. A beep confirms the successful process.

Operation

Unauthorized codes or transponder media are rejected by the lock with three consecutive beeps.

1 Multi-user mode

a) Lock via code

1. Enter code:

   xxxx (xxxx) + ✓

   A beep and the green LED confirm the successful process.

b) Unlock via code

1. Enter code:

   xxxx (xxxx) + ✓

   A beep and the green LED confirm the successful process.

c) Unlock via master code

During this process, the code or transponder medium used for locking is deleted from the lock.

1. Enter master code:

   xxxx (xxxx) + ✓

   A beep and the green LED confirm the successful process.

d) Lock via user card

1. Hold the user card in front of the lock. A beep and the green LED confirm the successful process.

e) Unlock via user card

1. Hold the user card in front of the lock. A beep and the green LED confirm the successful process.

f) Unlock via master card

During this process, the code or transponder medium used for locking is deleted from the lock.

1. Hold the master or manager card centrally in front of the lock. A beep and the green LED confirm the successful process.

1 Private mode

a) Unlock via code

1. Enter code:

   xxxx (xxxx) + ✓

   A beep and the green LED confirm the successful process.

b) Unlock via master code

This process resets the stored code to the default setting.

1. Enter master code:

   xxxx (xxxx) + ✓

   A beep and the green LED confirm the successful process.

c) Unlock via user card

1. Hold the user card in front of the lock. A beep and the green LED confirm the successful process.

d) Unlock via master card

1. Hold the master card in front of the lock. A beep and the green LED confirm the successful process.

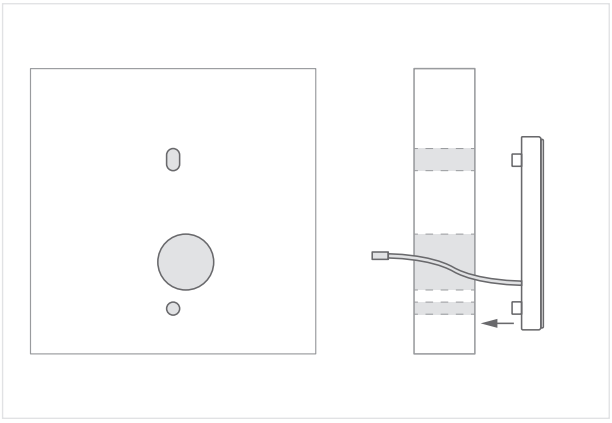
e) Lock

The lock closes automatically within a few seconds. To lock, push the door shut.

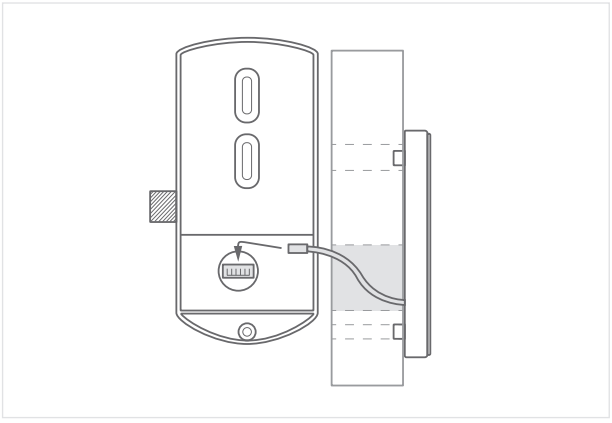
Assembly

- Complete installation dimensions and templates (PDF and STEP files), e.g., for milling, punching, or laser cutting, can be requested from BURG.
- If the lock or parts of the lock are damaged during installation, the manufacturer's warranty will be void.
- For installation, refer to the drilling template and installation instructions in the appendix to the operating instructions.

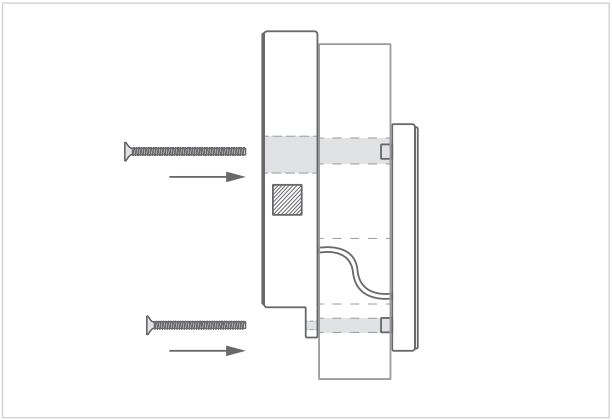
1 Prepare the installation hole on the door front according to the installation dimensions (dimensions on p. 4). Insert the control unit into the installation hole from the front (outside of the door). Feed the ribbon cable through the center hole.



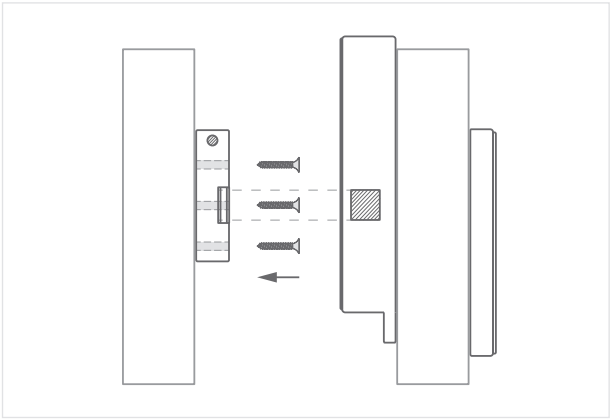
2 Connect the cable to the locking device. To do this, remove the batteries from the locking device and carefully insert the plug into the socket on the back of the locking device, with the guide rails facing forward. Then place the locking device on the inside of the door. Make sure that the cable is not pinched.



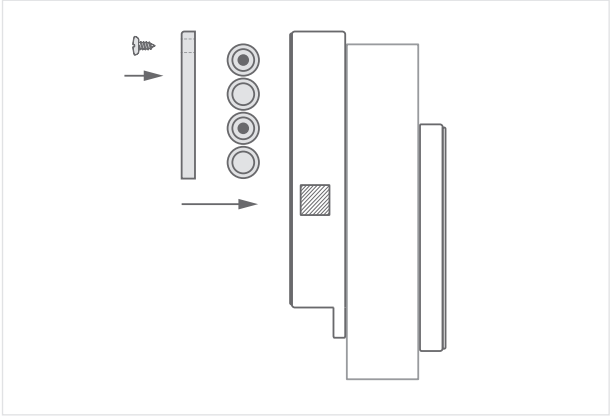
3 Screw the control unit and locking part together using the 2 threaded screws (M4 x 30 mm). The threaded screws supplied are suitable for use in doors with a material thickness of 17 to 30 mm. For smaller material thicknesses, shorter screws (material thickness + 13 mm) must be used. For steel doors with a material thickness of less than 2.8 mm, we recommend using a wood/HPL adapter plate or washers with an inner diameter of at least 6.8 mm.



4 Secure the locking unit to the inside of the cabinet using the 3 wood screws (ST3.5 x 20 mm). Position the closing unit and locking unit so that the door can be closed without pressure and the bolt can extend fully.



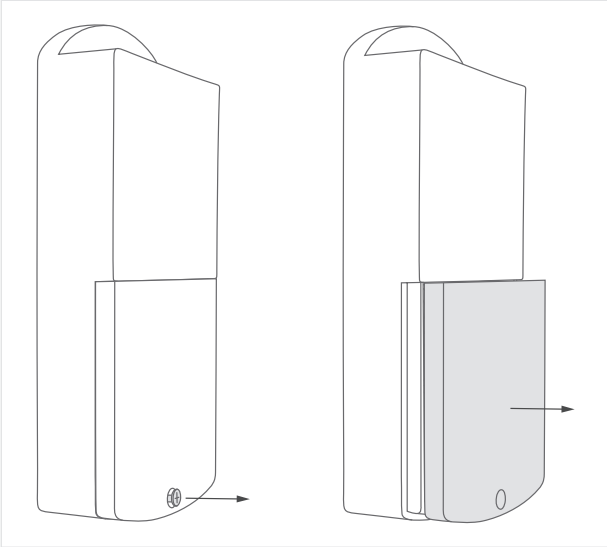
5 Then insert the batteries according to the (+/-) symbols and close the battery compartment cover.



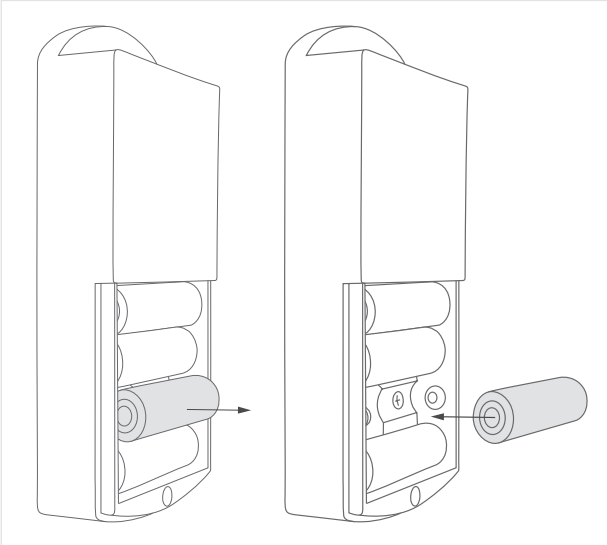
Battery Change

A **Phillips screwdriver** is required to change the battery.

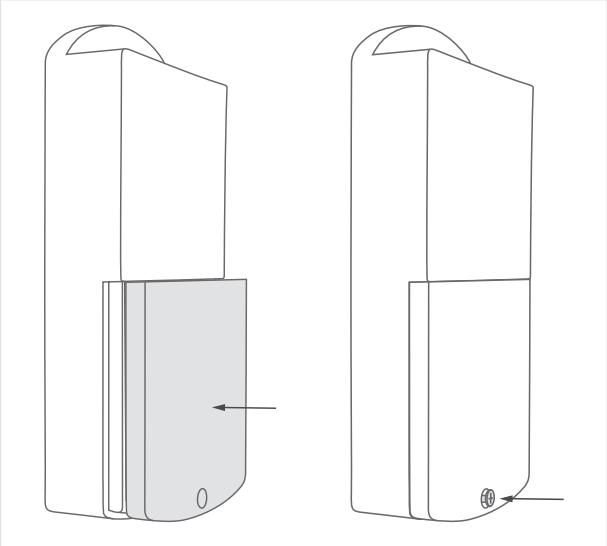
1 Carefully loosen the battery compartment screw using the Phillips screwdriver. Remove the battery compartment cover.



2 Replace all 4 batteries according to the (+/-) symbols and replace the battery compartment cover.



3 Carefully tighten the battery compartment screw using the Phillips screwdriver.



External power supply

The USB port allows for an external power supply, e.g., if the batteries used no longer have sufficient voltage for operation. If the locking system is connected to the power supply via a **USB-C** cable (e.g., via a power adapter, notebook, or power bank), it can be operated normally. The batteries must be replaced immediately.

Conformity / Certification

CE Declaration of Conformity

Hereby, **BURG Lüling GmbH & Co. KG** declares that the radio equipment, type **TwinPad**, is in conformity with Directives 2014/53/EU and 2011/65/EU. The full text of the EU Declaration of Conformity can be found at the following link:

https://www.burg.de/files/downloads/Declaration-of-Conformity/BURG_DoC_TwinPad_EN.pdf

FCC Compliance for USA: FCC-ID 2A8LA-TWINPAD

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

IC Compliance for Canada: IC 29104-TWINPAD

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) L' appareil ne doit pas produire de brouillage;
(2) L' appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d' en compromettre le fonctionnement.

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.

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.

Contact

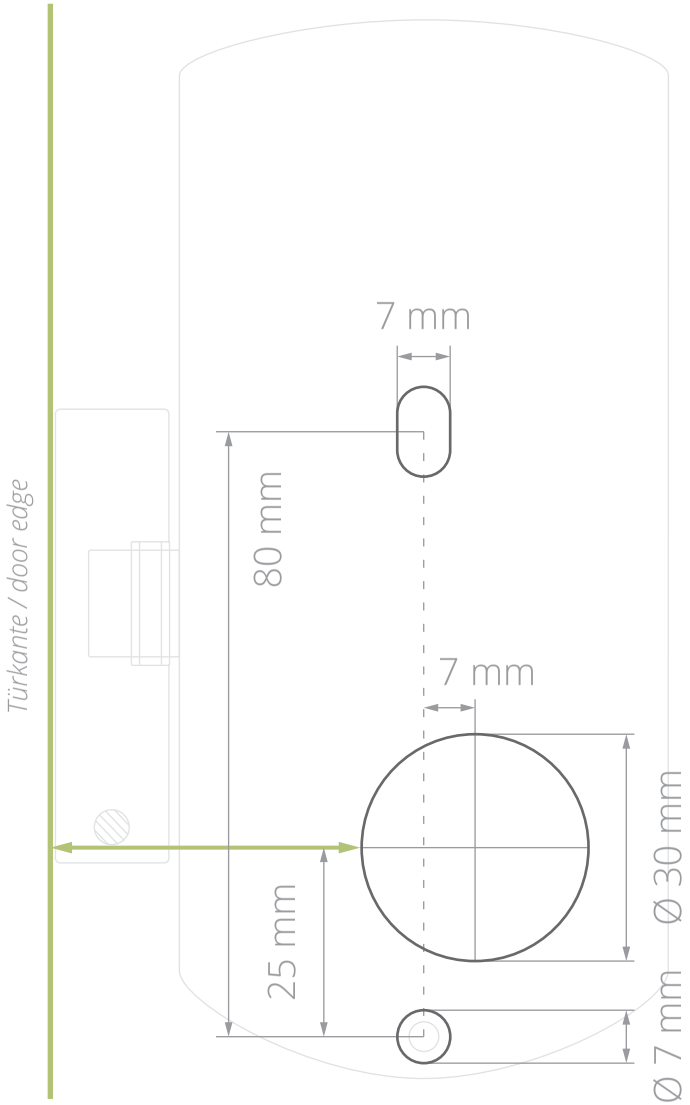
BURG Lüling GmbH & Co. KG

Volmarsteiner Str. 52
58089 Hagen (Germany)
+49 (0) 23 35 63 08-0

info@burg.de
www.burg.de

TwinPad Bohrvorlage

TwinPad drilling template

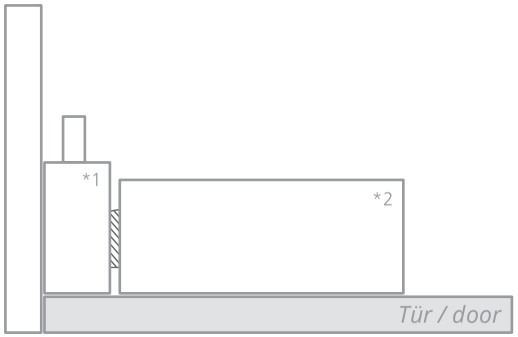


Der Abstand zwischen Türkante und Einbaulochung ist abhängig von der Türposition:

The distance between the door edge and the installation hole depends on the door position:

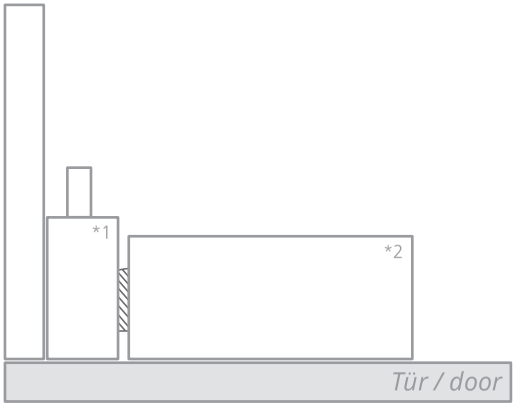
Innenliegende Tür (Tür sitzt im Korpus)

Internal door (door sits in the body)



Aufliegende Tür (Tür sitzt vor dem Korpus) =

Internal door (door sits in front of the body)



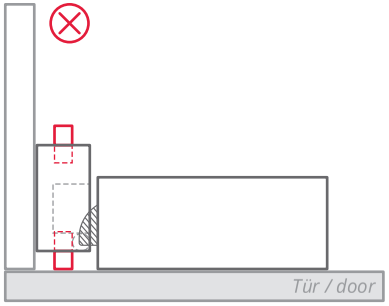
*1 = Arretiereinheit / *strike plate*, *2 = Schließsystem / *back unit*

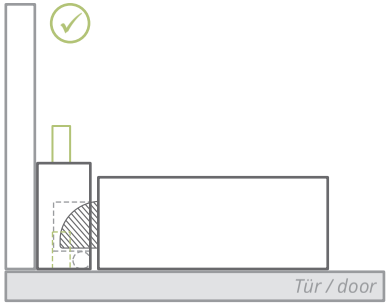
TwinPad Montagehinweis: korrekter & falscher Einbau

TwinPad assembly note: correct & wrong assembly

Draufsicht aufliegende Tür

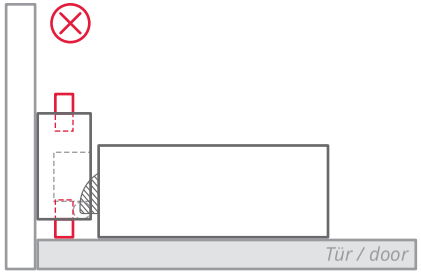
top view overlay door

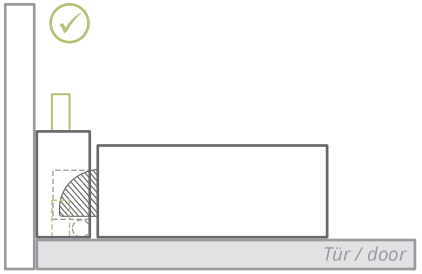




Draufsicht innenliegende Tür

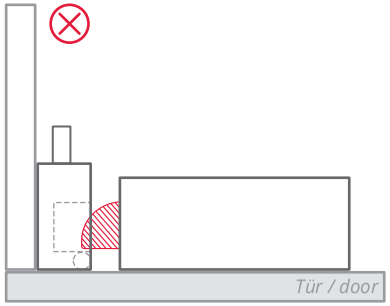
top view internal door

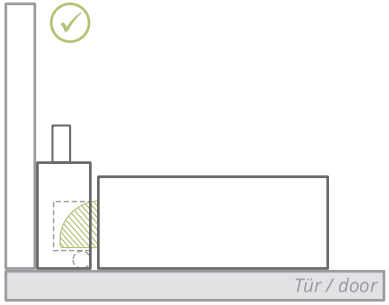




Draufsicht Position der Arretiereinheit

top view position of the strike plate





Frontansicht

front view