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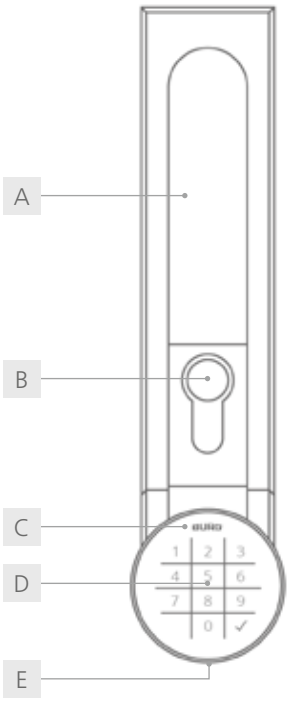
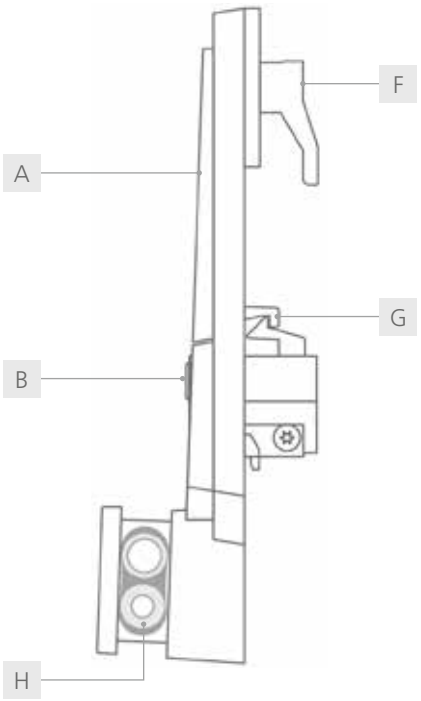
# Swing Handle with Flexo.Code

## Operating Manual

www.burg.de/en/

## Swing Handle with Flexo.Code




| | | | |
|---|---|---|---|
| A | handle | B | motor-driven push cylinder |
| C | LED | D | touchpad key |
| E | opening hole | F | cam |
| G | locking hook | H | battery |

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## General

**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** and check the battery capacity.
  (For help, see "Battery warning" on page 5.)
- If you lose the master code, please contact our service or your contact person at BURG.

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# Factsheet

## Technical Data

| | |
|---|---|
| Dimension | 52 x 221,6 mm |
| Battery [1] | VARTA [1] 1/2 AAH-R (2x)<br>850 mAh, CR High Power |
| Locking cycles | up to 30.000 [2] |
| Material | housing: zamak / plastic |
| Humidity (rel.) | 10% - 80% |
| Temperature range | working temperature: 0°C to 55°C<br>storage temperature: -20°C to 70°C |
| Degree of soiling | 2 |
| IP class | IP30 |
| Application area | indoor |
| Mounting dimension | 25 x 150 mm |
| Max. door thickness | metal: 1.2–2 mm |
| Lock attachment | M4 x 12 (2x) |
| Cam type | lock-specific, zamak |
| Locking direction | left (90°), door hinge: DIN right<br>right (90°), door hinge: DIN left |
| Mode | multi-user mode (default),<br>private mode |
| No. of possible codes | 999,999 |
| Code length | 4- / 6-digit |
| No. of master codes | max. 1 |
| No. of user codes | max. 50 (private mode) |

## Default Settings

| | |
|---|---|
| Mode | multi-user mode |
| Master code | 934716 |
| Code length | 4-digit |
| Locking | manually |
| LED locking indication | on |
| Confirmation code | off |

## Optional Accessories

- battery (VARTA [1] 1/2 AAH-R)
- opening needle

**Front view**




**Back view**

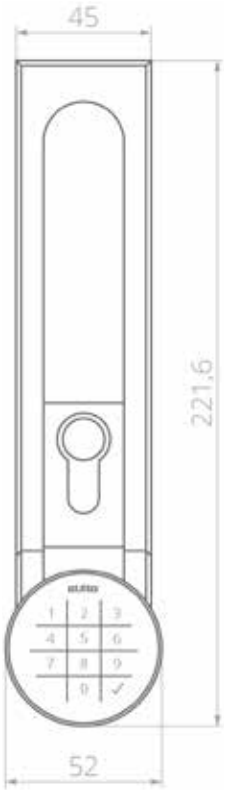


[1] The lock is approved for VARTA brand batteries. The use of other batteries may lead to malfunctions (s. point „battery note“).

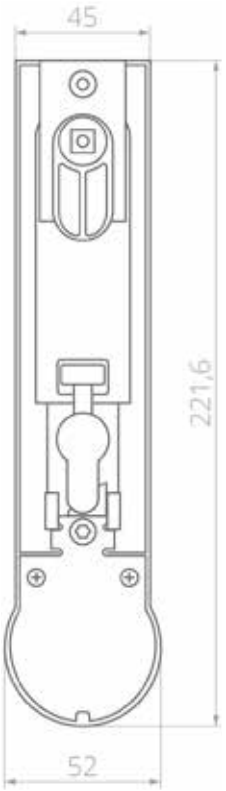
[2] Test value for consecutive locking cycles with one set of VARTA batteries. In everyday use, factors such as usage profile, temperature-dependent self-discharge, battery quality, and the standby current of the electronics limit the achievable number of cycles. The actual number may therefore vary.
For further information, see p. 10 “ Information on battery life”.

## Product Dimensions [1]

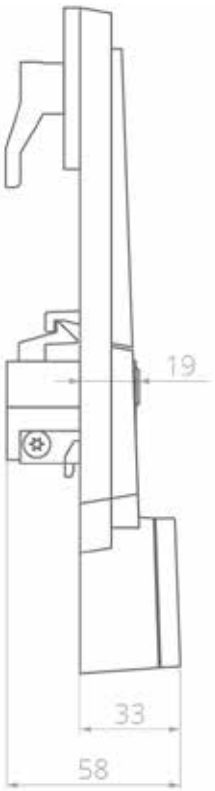
**Frontview**




**Backview**

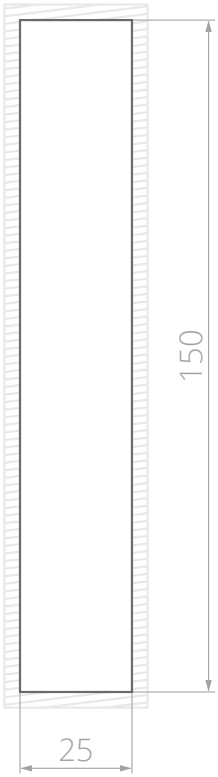



**Sideview**

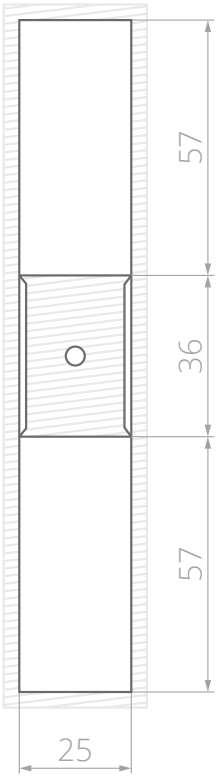



## Mounting Dimensions [1]

**Main mounting hole**




**New opening with the possibility of breaking out**




All dimensions are in millimeters.

## Functional Description

**Mode: multi-user authorization (multi-user mode)**
This mode is suitable for changing user groups where the lock is only used temporarily or once. Codes are valid for a single locking operation and are deleted from the lock when it is reopened. The lock remains open until a new code locks the lock again.

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

**Confirmation code (for multi-user mode)**
To lock the lock, the code must be entered twice. The lock locks after the second entry. The second entry is made after the green LED flashes briefly. A simple code entry is sufficient to open the lock. This function can be turned on or off.

**LED locking indication**
If the lock is locked, the red LED flashes at short intervals. This function can be turned on or off.

**Battery warning**
If the battery voltage falls below a certain level (*phase 1*), the red LED lights up for a few seconds when the code is entered. The lock can still be operated. If the voltage drops further (*phase 2*), the lock can no longer be operated. If the voltage falls into the critical range (*phase 3*), the lock can no longer be operated.

**Master code**
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) and terminate the block mode. In multi-user mode, the code used for locking is deleted after the master code is entered.

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

**Automatic locking (for private mode)**
After opening, the lock automatically lockes after a few seconds. To close it, turn the handle to the closed position and press it down until it clicks into place.

**Block mode**
If the code is entered incorrectly three times in succession, the lock locks for 45 seconds. The red LED flashes at short intervals. The lock cannot be operated during this period. The block mode can also be ended by entering the master code.

**Real-Time-Clock = RTC**
The lock has an integrated real-time clock that enables time-related settings. If time-related settings are required, these must be specified when ordering. The functions are configured at BURG.

**Automatic locking / unlocking (RTC function)**
Automatic locking and unlocking takes place at set times. The times can be defined for each day of the week.

**Usage period (RTC function)**
The lock can only be used within a defined period of time. The lock cannot be operated outside this period. The usage period can be defined for each day of the week.

**Closure duration (RTC function)**
The locking duration defines the maximum period for which a lock may be closed from the time it is locked. The lock opens automatically once the locking period has expired. The locking duration can be defined for each day of the week.

## LED Signals

**Green LED (flashes briefly)**
Acceptance of authorized codes.
Successful opening process.
Successful configuration process.

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

**Red LED (flashing)**
Closed state / block mode.

**Red LED (flashes briefly)**
Cancel an entry.

**Red LED (flashes briefly after code entry)**
Battery power decreases.

**8x Red LED**
Rejection of unauthorized codes.
Incorrect entry during the configuration process.

## Commissioning

### 1 First steps

1. Remove the lock from packaging and open the battery compartment (for help, see page **9** "Battery change").
2. Insert the batteries according to the (+ / -) symbols. Wait for the **green** LED to light up, followed by the **red** LED. Close the battery compartment. The lock is now ready for use.
3. Set private master code (chapter: Configuration, point 1: „Master code setting").

## Master Code Entry

- The **master code** is always entered by pressing **2x** the hook key followed by the **digit 1** and ended by pressing **1x** the hook key.
- In multi-user mode, the code used for locking is deleted after the master code is entered.

1. Enter master code:

   ✓✓ **1** master code ✓

   The **green** LED flashing **2x** confirms the successful process.

## Configuration

- Each configuration step is started by entering the master code, **2x** hook key and entering the corresponding digit.
- The **master code** is always entered by pressing **2x** the hook key followed by the **digit 1** and ended by pressing **1x** the hook key.
- Each configuration step is completed with the **green** LED flashing **2x**. Only then the next configuration step can be started.
- The **red** LED flashes **8x** to indicate that the configuration step has not been carried out correctly or the code / master code has not been entered correctly.

### 1 Master code setting

Up to **1** master code can be stored. The master code must be 6 digits long.

1. Enter old master code:

   ✓✓ **1** master code ✓

   Wait for the **green** LED flashing **2x**.

2. Set new master code:

   ✓✓ **7** xxx xxx ✓

   The **green** LED flashing **2x** confirms the successful process.

### 2 Mode change

When changing modes, all functions are reset to the default settings. The master code remains unchanged

#### a) Multi-user mode

1. Enter master code:

   ✓✓ **1** master code ✓

   Wait for the **green** LED flashing **2x**.

2. Set the mode:

   ✓✓ **5 1** ✓

   The **green** LED flashing **2x** confirms the successful process.

#### b) Private mode

When switching to private mode, a private code must be set before use (chapter: Configuration, step 3b "Set code"). If no code is set, the lock cannot be locked.

1. Enter master code:

   ✓✓ **1** master code ✓

   Wait for the **green** LED flashing **2x**.

2. Set the mode:

   ✓✓ **5 0** ✓

   The **green** LED flashing **2x** confirms the successful process.

3. Set the code.

## 3 Code configuration

### a) Set the code length

> When the code length is changed, all codes stored in private mode are deleted (master code excluded). !

1. Enter master code:

   ✓✓ **1** master code ✓

   Wait for the **green** LED flashing **2x**.

2. Set the code length (4-digit to default setting):

   ✓✓ **0 4** ✓ (4-digit)

   ✓✓ **0 6** ✓ (6-digit)

   The **green** LED flashing **2x** confirms the successful process.

### b) Set the code (private mode)

> Up to 50 codes can be stored. The code length is 4 or 6 digits, depending on the setting. !

1. Enter master code:

   ✓✓ **1** master code ✓

   Wait for the **green** LED flashing **2x**.

2. Set the code:

   ✓✓ **3** xxxx (xx) ✓

   The **green** LED flashing **2x** confirms the successful process.

### c) Delete the code (private mode)

1. Enter master code:

   ✓✓ **1** master code ✓

   Wait for the **green** LED flashing **2x**.

2. Delete the code:

   ✓✓ **9** xxxx (xx) ✓

   The **green** LED flashing **2x** confirms the successful process.

## 4 Function setting

### a) Automatic locking (private mode)

1. Enter master code:

   ✓✓ **1** master code ✓

   Wait for the **green** LED flashing **2x**.

2. Activate / deactivate mode:

   ✓✓ **6 1** ✓ (activate)

   ✓✓ **6 0** ✓ (deactivate)

   The **green** LED flashing **2x** confirms the successful process.

### b) Confirmation code (multi-user mode)

1. Enter master code:

   ✓✓ **1** master code ✓

   Wait for the **green** LED flashing **2x**.

2. Activate / deactivate mode:

   ✓✓ **2 1** ✓ (activate)

   ✓✓ **2 0** ✓ (deactivate)

   The **green** LED flashing **2x** confirms the successful process.

### c) LED locking indication

1. Enter master code:

   ✓✓ **1** master code ✓

   Wait for the **green** LED flashing **2x**.

2. Activate / deactivate mode:

   ✓✓ **8 1** ✓ (activate)

   ✓✓ **8 0** ✓ (deactivate)

   The **green** LED flashing **2x** confirms the successful process.

## Operation

### 1 Multi-user mode

#### a) Lock

> If the confirmation code is activated, the code used for locking must be entered **2x** in succession. !

1. Enter code:

   xxxx (xx)

   The **green** LED flashing confirms the successful process.

#### b) Unlock

1. Enter code:

   xxxx (xx)

   The **green** LED flashing confirms the successful process.

### 2 Private mode

#### a) Unlock

1. Enter code:

   xxxx (xx)

   The **green** LED flashing confirms the successful process.

#### b) Lock (manually)

1. Enter code:

   xxxx (xx)

   The **green** LED flashing confirms the successful process.

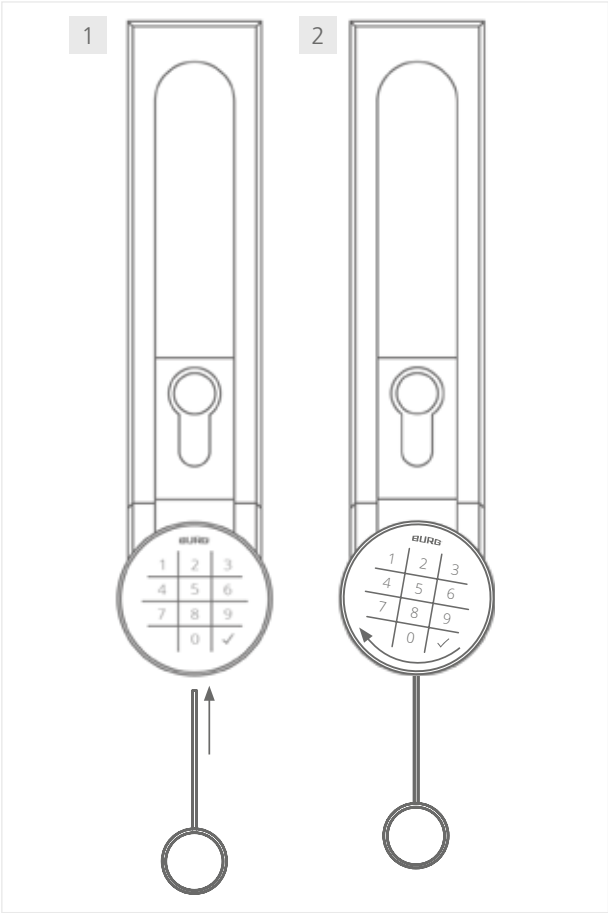
#### c) Lock (automatically)

When automatic locking is activated, the lock locks automatically after a few seconds. To close the door, close it, turn the handle back to its original position, and press down until it clicks into place.

## Battery Change

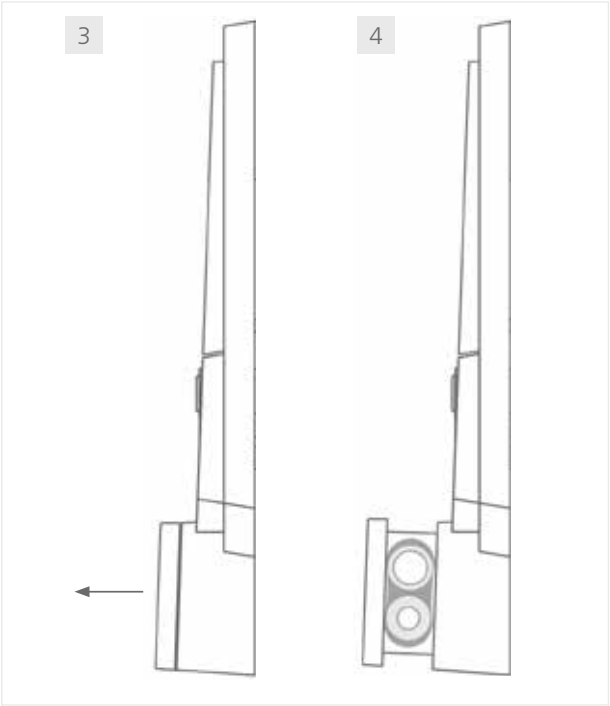
1 Carefully insert the opening needle into the opening hole below the control unit until you feel resistance, and press lightly until the resistance gives slightly.

2 Hold the opening pin in place and turn the control panel approximately 10° clockwise.




3 Remove the opening needle and pull the control panel forward.

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




5 Push the control panel back. Carefully turn the housing clockwise back until it clicks into place.

## Conformity / Certification

**CE Declaration of Conformity**

Hereby, **BURG Lüling GmbH & Co. KG** declares that the radio equipment, type **Flexo.Code**, is in conformity with directives 2014/30/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_FlexoCode_EN.pdf*

**FCC Compliance**

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. Operation is subject to the following two conditions:

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

CAUTION: The user is not permitted to change or modify this class B equipment unless expressly authorized to do so by the party responsible for ensuring compliance. Changes or modifications could void the user's authority to operate the equipment.

**IC Compliance**

This class B device complies with Industry Canada RSS standard ICES-003. 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

*Cet appareil de la classe B est conforme à la norme NMB-003 d'Industrie Canada applicable aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :*

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

*Les changements ou modifications non expressément approuvés par la partie responsable de la conformité peuvent annuler l'autorité de l'utilisateur à faire fonctionner l'équipement.*

## 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

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