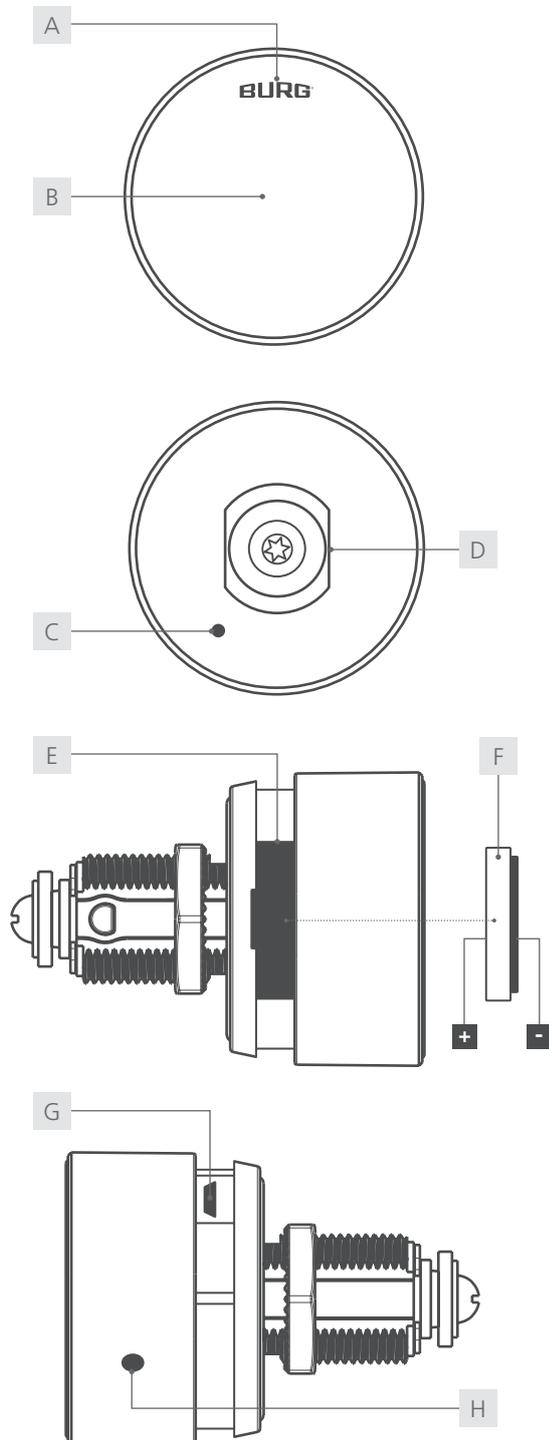




Intro.RFID
Operating Manual

Intro.RFID



- | | |
|-----------------------|----------------|
| A LED | B RFID antenna |
| C reset hole | D stator |
| E battery compartment | F battery |
| G micro USB port | H closure hole |

Content

Introduction.....	2
General.....	2
Technical data.....	3
Scope of delivery.....	3
Optional accessories.....	3
Default settings.....	3
Features.....	3
Product dimensions.....	3
Warranty for transponder compatibility.....	4
Functional description.....	4
Configuration.....	4 - 5
Operation.....	5
Emergency power supply.....	6
Battery replacement.....	6
Reset to default settings.....	6
Disposal and battery note.....	6

Introduction

The **Intro.RFID** electronic lock is the entry into a new dimension of digital security for steel and wooden furniture.

With its simple operation via RFID, the lock makes everyday life easier and impresses with its high-quality materials. Especially the solid metal knob convinces with its noble matt chrome surface. The lock adapts to any installation situation, thanks to common installation holes and replaceable cam.

Important: Please observe all warnings and read through the entire operating instructions before you begin with the configuration.

General

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

Factsheet

Front view



Back view



Technical Data

Dimension	Ø 43,3 mm
Battery	VARTA ¹ CR2450 (1x)
Locking cycles ¹	2,000
Working temperature	-20° C to 55° C rel. humidity: 10% - 85%
Mode	Multi-user mode, Private mode
Material	Housing: Zamak Front cap: plastic Cam: steel
Mounting dimension	16 mm x 19 mm
Lock attachment	M19 nut (1x)
Locking direction	Left (90°), door hinge: DIN right Right (90°), door hinge: DIN left
Cam type	B
Max. door thickness	18 mm
RFID variant	MIFARE® Classic (read only), MIFARE® Desfire EV (read only)
No. of master cards	max. 3
No. of manager cards	max. 2
No. of user cards	max. 6

Scope of Delivery

- 1x locking system
- 1x cam fixing screw² M4 x 8 mm
- 1x washer 12 mm (DIN 9021 M4)
- 1x M19 nut
- cam type B

for single packaging:

- 1x length 53 mm, without crank (1-36 RIH-501 G)
- 1x length 40 mm, crank 3 mm (1-36 RIH-514 K)
- 1x length 40 mm, cranking 6 mm (1-36 RIH-515 K)

for industry packaging: order related

¹ The lock is approved for VARTA brand batteries. The use of other batteries may result in a reduced number of possible locking cycles.

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

Optional Accessories

- opening and reset pin
- anti-twist protection (W-MSZ-01)
- function card „mode card“

Default Setting

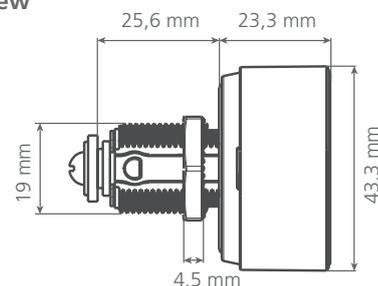
Mode	Multi-user mode ³
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Features

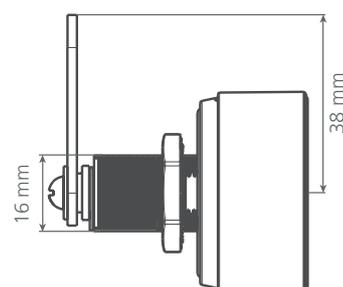
- ergonomic handling and high-quality design
- external battery change
- RFID standards: MIFARE® Classic / MIFARE® Desfire EV
- easy to retrofit, e.g. for replacement of mechanical cam locks
- cam adjustable in 45° steps
- emergency power supply via micro USB port

Product Dimensions

Side view



Top view



³ Applies from versions EIRR-007 to EIRR-010. Private Mode applies to earlier versions.

Warranty for Transponder Compatibility

When using RFID transponder media that have not been approved by BURG, no warranty for compatibility is assumed.

Functional Description

Mode: Fixed Assigned Authorization (private mode)

In this mode, a transponder medium is preset with which the lock can be operated. The lock unlocks when the stored transponder is presented. A transponder that is not stored is rejected by the lock. This mode is suitable for user groups where the user rights are not to change permanently, e.g. in an office cabinet.

Mode: Multi-User Authorization (multi-user mode)

In this mode, transponder media are only valid for a single locking process. The lock closes when a transponder is presented and opens when the same transponder is presented. When opening, this transponder is deleted from the lock so that a new transponder can be used. The lock remains in the open state until a new transponder is used for locking. This mode is suitable for changing user groups where the locker is only used temporarily or once, e.g. in a sports facility.

Master Card

The master card authorizes the configuration of the lock. In addition, the master card can unlock the lock independently of the set mode (emergency opening). In multi-user mode, the transponder used for locking is deleted from the lock after the master card is presented.

Manager Card (private mode)

The manager card can open the lock independently of the set mode (emergency opening). In multi-user mode, the transponder used for locking is deleted from the lock after the manager card is presented.

Mode Card

The mode card is used to change the mode. The lock does not have to be disassembled for this.

LED Locking Indication

If the lock is in the locked state, the green LED flashes briefly every three seconds.

Battery Warning

If the battery voltage falls below a certain level, the LED lights up briefly when a transponder is presented. If the voltage falls into the critical range, the lock can no longer be operated.

Configuration

Observe the following notes before you start the configuration:

- The first card held in front of the lock during start-up is stored as the master card.
- The mode change and the reset via reset pin only work in disassembled state.

1 Assign Cards

a) Master Card

1. Insert the battery into the lock (p. 6 „Changing the battery“).
2. Hold the master card to be assigned centrally in front of the knob.
3. A beep confirms the successful process.

Note: A maximum of 3 master cards can be assigned. We recommend programming all 3 master cards directly.

b) Further Master Cards

1. Hold the master card two times centrally in front of the knob. The green LED starts flashing.
2. Hold the master card to be assigned centrally in front of the knob.
3. A beep confirms the successful process.
4. Wait until the LED stops flashing.

Note: A maximum of 3 master cards can be assigned.

c) Manager Card (Private Mode)

1. Hold the master card four times centrally in front of the knob. The green LED starts flashing.
2. Hold the manager card to be assigned centrally in front of the knob.
3. A beep confirms the successful process.
4. Wait until the LED stops flashing.

Note: A maximum of 2 manager cards can be assigned.

c) User Card (Private Mode)

1. Hold the master card three times centrally in front of the knob. The green LED starts flashing.
2. Hold the user card to be assigned in front of the knob.
3. A beep confirms the successful process.
4. Wait until the LED stops flashing.

Note: A maximum of 6 user cards can be assigned.

2 Delete Cards

This procedure deletes all cards from the lock. Cards cannot be deleted individually. The set mode remains active.

a) Via Reset Pin

1. Briefly press the reset pin into the reset hole on the back of the lock.
2. Two beeps confirm the successful process.
3. Remove the reset pin.

Note: The reset button can only be operated in the dismantled state.

b) Via Master Card

1. Hold the master card six times centrally in front of the knob.
2. Two beeps confirm the successful process.

3 Set the Mode**a) Via Mode Card**

1. Hold the master card centrally in front of the knob.
2. Hold the mode card centrally in front of the knob.
3. A long beep for the private mode or three long beeps for the multi-user mode confirm the successful process.
4. Remove the mode card from the lock.

Note: This procedure deletes all cards (master cards, manger cards and user cards).

b) Via Reset Pin

1. Dismantle the lock and pull out the battery compartment.
2. Press the reset pin into the reset hole on the back of the lock and hold it in this position.
3. While pressing the reset pin, push the battery compartment back in and wait 3 seconds.
4. A long beep for private mode or three long beeps for multi-user mode confirm the successful process.
5. Remove the reset pin and turn the knob clockwise until it engages.

Operation**1 Private Mode****a) Unlock**

1. Hold the user card centrally in front of the knob. A longer beep and the green LED confirm the successful process.
2. Turn the knob to the open position within 3 seconds and pull the door open.

Note: Unauthorised cards are rejected by the lock with three consecutive beeps.

b) Lock

The lock locks automatically within 4 seconds. The LED flashes briefly. To lock, turn the knob back to the starting position until it engages.

2 Multi-user Mode**a) Lock**

1. Close the door and turn the knob back to the starting position.
2. Hold the user card centrally in front of the knob. A beep and the red LED confirm the successful process.

b) Unlock

1. Hold the user card centrally in front of the knob. A longer beep and the green LED confirm the successful process.
2. Turn the knob to the open position within 3 seconds and pull the door open.

Note: Unauthorised cards are rejected by the lock with three consecutive beeps.

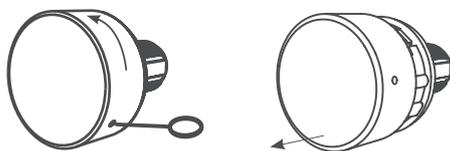
Emergency Power Supply

If the battery voltage is insufficient, the locking system can be connected to an external power supply (e.g. power supply unit, notebook or power bank) via the **micro-USB** connection using a micro-USB cable. The locking system can then be operated normally.

Note: We recommend to replace the batteries at the first battery warning.

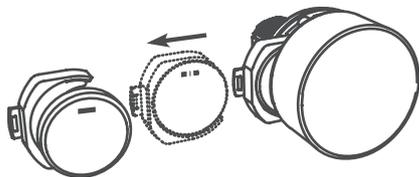
Battery Replacement

1. Press the reset pin into the closure hole on the side of the lock. Turn the housing slightly to the left and pull it forward.



2. Remove the battery compartment and replace the battery according to the symbols (+ / -) (Fig. p. 2).

Note: The surface of the battery must be free of residues and fingerprints, otherwise malfunctions may occur. If the surface is dirty, it must be cleaned with a dry cloth.



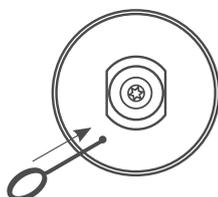
3. Replace the battery compartment, slide the housing back onto the lock and turn until it clicks into place.

Note: The lock is approved for VARTA brand batteries. The use of other batteries may result in a reduced number of possible locking cycles.

Reset to Default Settings

To reset the lock, press the reset pin briefly into the reset hole on the back. All stored data will be deleted from the lock.

Important: The reset hole can only be operated in the disassembled state.



Disposal and Battery Note

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

Every consumer is required by law to dispose of batteries, accumulators or electrical and electronic equipment („waste equipment“) powered by batteries or accumulators separately from household waste, as they contain harmful substances and valuable resources. Disposal can be done at a collection or take-back point approved for this purpose, e.g. a local recycling center. Waste equipment, batteries or rechargeable batteries are accepted there free of charge and recycled in an environmentally friendly and resource-saving manner.

Waste equipment, used batteries or rechargeable batteries can also be returned to us. The return must be sufficiently stamped to the address below.

The following symbol on the waste electrical equipment, batteries or accumulators indicates that they must not be disposed of with household waste:



Caution when using batteries!

The battery may explode or release flammable gases if it is mis-handled, 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.

On batteries containing harmful substances, you will find indications in the form of abbreviations for the ingredients cadmium (Cd), mercury (Hg) and lead (Pb) in each case.

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