

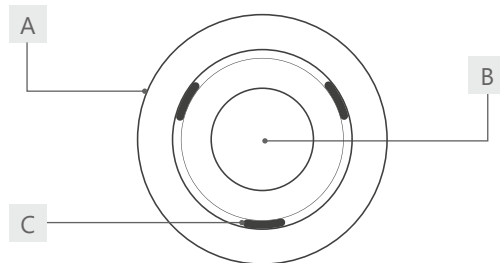


ID LOCK 3000

Manual

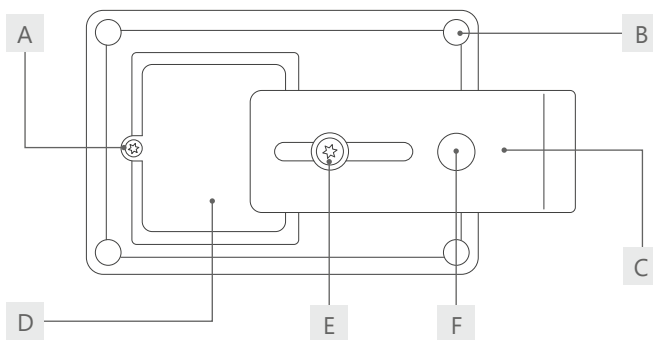
ID LOCK 3000

Knob



- A Silicone ring RFID
- B sensor/antenna
- C Status-LED

Closing Unit



- A Battery compartment screw
- B Mounting hole
- C Latch
- D Battery compartment cover
- E Latch adjustment screw
- F Knob fixing screw

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Introduction

Dear customers,

Thank you for choosing the **ID LOCK 3000** - the electronic RFID locking system for convenient and secure locking of cabinets and lockers.

The robust construction of the latch and housing provides unprecedented security with the ID LOCK 3000. The lock can easily withstand a force of at least 800 Newton, thanks to its Zamak components. The ID LOCK 3000 is suitable for installation in both wooden and metal doors, and can accommodate various door thicknesses flexibly.

Important: Please observe all warning notices and read the entire user manual before starting the configuration process.

We wish you much enjoyment with your new locking system.

Your iDTRONIC-Team

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General

You can find the latest version of this guide at:
www.idtronic-wellfit.de
www.idtronic-secureaccess.de

Data Sheet

Knob



Closing Unit



Technical Data	
Dimensions	Knob: Ø 41 mm Closing Unit: 98 x 66 x 40 mm
Batteries	CR123A Lithium battery 3V (2x)
Closing Cycles	HF-Version: About 45.000 HF-Version B-on-air: About 25.000 LF-Version: About 30.000
Temperature range	0° C to 55° C rel. Humidity: 96%
Mode	Multiuser-mode, Private-mode
Material	Knob: Plastic / Silicone Casing: Zamak
Latch bolt	Zinc
Closing direction	L, R
Lock mounting	Wood: Screws Metal: M19 Nut
Door thickness	Wood: 16, 19, 22 mm Metal: max. 3,5 mm
RFID-Variants	125 kHz: T5577; EM4102 LF-Version (not adjustable): MIFARE® Classic; HITAG S/ 1 HF-Version (adjustable): MIFARE® Classic and Desfire; HID iClass (read only); Ultralight; Legic Advant (read only); NFTAG
RFID-reading-distance	5 to 10 mm
Master-Cards	max. 3
Transponder	125 kHz (T5577): max. 50 LF-/HF-Version: max. 40

Default-Settings	
Mode	Multiuser-mode
LED lock indicator	On
Audio signals	On
Locking / Unlocking	manual
Area restriction ^{1,2}	none
Locker numbers ^{1,2}	deleted (=0)
Locking duration ²	Off
Room information ²	Off

Scope of Delivery	
<ul style="list-style-type: none"> 1x Locking system (knob and locking unit) 1x Battery compartment cover (including screw) 1x Mounting material (including screws) 2x Battery (CR123A)³ 	

Features	
<ul style="list-style-type: none"> Suitable for wooden and metal doors (indoor) Latch function: Door can be locked by pressing Integrated LED lock indicator High-quality and sturdy construction (metal housing) Versatile programming options Integratable into existing transponder systems such as MIFARE® Classic, Desfire, and HITAG S/1 Available as a wireless networkable version with B-on-air 	

¹ Only applies to the LF-Version

² Only applies to the HF-Version

³ Subject to consultation / may vary for air and sea freight delivery

Power package

HF-Version LF-Version 125 kHz

Mode:

Private-mode	•	•	•
Multiuser-mode	•	•	•

Built-in functions:

Battery warning	•	•	•
Bock mode	-	•	•
Reset function	•	•	•
Logging	•	•	-

Optional functions:

Automatic locking	•	•	•
Manual locking	•	•	•
Occupancy indication	•	•	•
Floor Occupancy indication	•	•	•
LED lock indicator	•	•	•
Signal tones	•	•	•

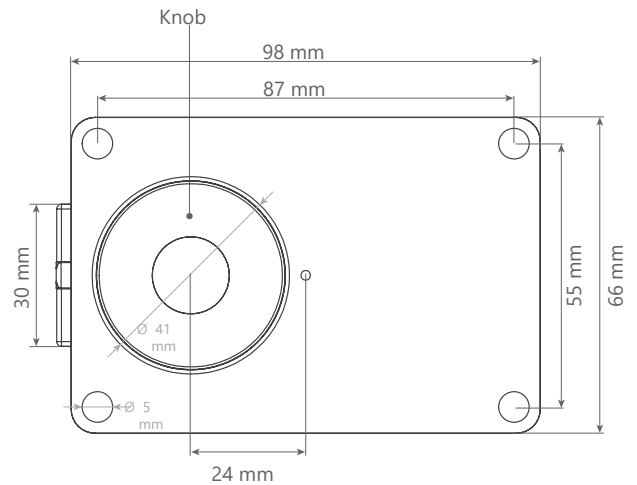
Adjustable functions via PC software:

Time-based automatic opening and locking	•	•	-
Time window usage	•	•	-
Locker numbers	•	•	-
Branch-ID	•	•	-
Lock level	•	•	-
Closure duration	•	-	-
Room information	•	-	-

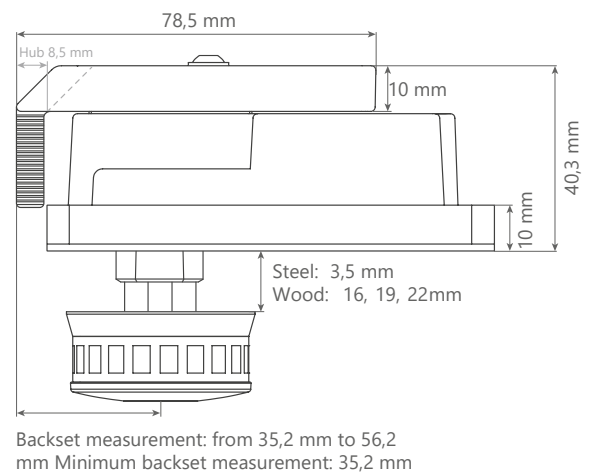
Adjustable functions via management software:

Check-in function	•	•	-
Check-out condition	•	•	-
Battery status	•	•	-

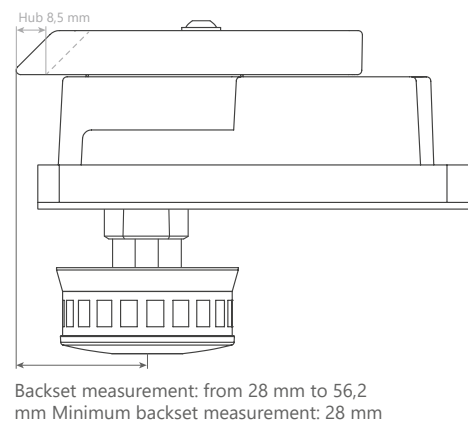
Dimensions



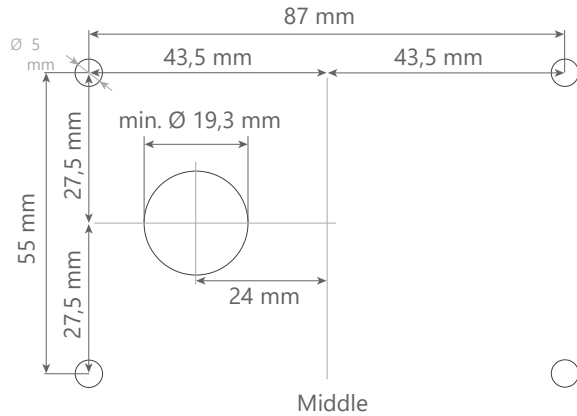
With latch adjustment piece:



Without latch adjustment piece:



Installation dimensions



Functional descriptions

Mode: Fixed authorization (Private-mode)

In this mode, a preconfigured transponder medium is set, which can operate the lock. This mode is suitable for user groups where user rights should not change permanently, for example, in an office cabinet. The lock can be opened and closed with any stored transponder. Transponders that are not stored will be rejected by the lock.

Mode: Multiuser authorization (Multiuser-mode)

This mode is suitable for constantly changing users who only temporarily or once use the compartment, for example, in a sports facility. Transponder media are valid for a single locking operation and are deleted by the lock upon reopening. The lock remains in the open state until it is locked again. Before locking, the door must be pressed lightly. To close, the user holds a transponder in the middle of the lock.

Occupancy detection

During the locking process, the transponder is marked with an occupancy indication. The occupancy indication prevents the transponder from locking additional locks. The lock can only be reopened with the same transponder. The opening process cancels the occupancy indication.

Note: Occupied transponder media can also be released using the master-card (point 5 under "Configuration") or a transponder release box.

Master-card

The master-card is authorized for programming the lock. Additionally, the master-card can open the lock independently of the set mode (emergency opening) and end the lockout-mode. In the multiuser-mode, the transponder used for locking is deleted from the lock upon presenting the master-card.

Lock-mode

After 100 consecutive failed opening attempts, the lock will be locked for 180 seconds. During this period, no action can be performed on the lock. Transponders will be rejected with 8 flashes of the red LED. The lockout-mode can be prematurely lifted by presenting the master card.

Battery warning

When the battery capacity drops below a certain threshold, three consecutive descending tones will sound when presenting a transponder. Once the critical level is reached, the lock cannot be locked anymore or can only be opened with the master-card. In the LF-Version, locking is still possible despite low battery capacity. A low battery level is indicated by the blinking of the red LED. An individual time period can be set for the LED indication. The battery warning through the LED will only occur during this period.

Note: It is recommended to replace the batteries after the first warning indication.

Automatic locking (Private-mode)

The lock will automatically close after the opening process. Three locking times are available.:

Time 1	4 Sec.
Time 2	8 Sec.
Time 3	20 Sec.

Note: Make sure that the door is closed and the lock can be locked smoothly to avoid damage to the lock.

LED lock indicator

The lock indicates the locked state by blinking the red LED every second. This function can be turned on or off.

Audio signals.

Audio signals sound during the opening or closing process, as well as when presenting unauthorized transponders. This function can be turned on or off.

Reset 1: Function reset

All functions will be reset to their default settings. Any settings made will be deleted.

Reset 2: Transponder reset

All enrolled transponders will be deleted from the lock.

Functional descriptions HF-Version / LF-Version

Logging function

The last 12 actions (HF version) or 40 actions (LF version) performed at the lock are logged and can be read and displayed using a log card.

General-Card¹

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

Adjustable functions via PC software:

Lock level

Grouping the locks into different levels allows a transponder to operate multiple locks despite the active occupancy detection. This is especially useful in changing rooms where both lockers and valuables compartments are used. With the transponder, a lock from a specific level can be operated at a time.

Branch ID

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

Time-based automatic opening and locking

The lock automatically opens and locks at individually set times

Locker numbers (only HF-Versions)

When a lock is closed, the locker number is transferred to the transponder medium.

Usage time period

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

Locking duration¹

The locking duration defines the period (selectable from 2 hours onwards) during which a lock can remain closed at maximum after being locked. After the expiration of the locking duration, the lock automatically opens.

Room information¹

The locker number and location can be read via the transponder.

Adjustable functions via management software:

Check-in function

In the check-in function, the transponder medium is granted authorization to use the lock. Without the authorization, the transponder cannot perform any action on the lock. The authorization is granted through a read-write device at the receiving end (during check-in). The device works with a future date, which is queried when operating the lock. If the date is in the future, the transponder is accepted.


Note: It is recommended to consult with the provider of the management software before setting up this function to prevent any issues during the writing process.

Battery status


The current battery level is transferred to the transponder medium when operating the lock. The transponder can then read the battery level, for example, during check-out.

¹ Only applies to the LF-Version

LED and audio signals HF-Version


 Single, short flash

The lock initiates the reading process.


 Flashing for 5 seconds

 2 ascending tones

The locking process was successful.

 Continuous blinking


The lock is in the locked state.

 Flashing for 5 seconds


The locking process was successful.

 3 descending tones

The batteries should be replaced promptly.


 Blinking when holding the transponder

The lock is in the locked-mode.

 10 times alternating blinking

There is a hardware issue. Please repeat the opening/closing process multiple times. If the door is open, try pulling the latch (see page 2) outward.

 8 times blinking

 4 identical tones

The transponder is rejected. Possible reasons may include:

- The transponder has already been used to lock a lock.
- The lock is already in the locked state.
- 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 audio signals LF-Version


 Continuous blinking

The lock is in the locked-mode.

 One-time, short flash

 2 descending tones.

The locking process was successful.


 Single, short flash

 2 descending tones

The opening process was successful.

 One-time, short flash

 2 descending tones

 2 ascending tones


The opening process with the master-card was successful.

 3 identical tones.


The transponder is rejected (the reasons for this are listed under the section "LED and sound signals 125 kHz and HF-Version").

 4 identical tones.


The lock rejects the card type because it is not a user-transponder.

 Short ticking for 4 seconds.


The lock is in the learning-/configuration-mode.

 2 ascending tones after configuration step

A function has been successfully set.

 3 descending tones during opening/closing.

Battery warning.


 Double blinking in the open state

Battery warning.

 Double blinking in the closed state

Battery warning.

 7 double blinks

 4 identical tones

The lock is in battery replacement-mode.

 4 identical tones during battery replacement

A partially charged battery has been inserted.

 Alternate blinking

There is a problem with the motor.

Installation

1 Drill mounting holes

Prepare the installation holes according to the installation drawing on the furniture piece. Do not drill completely through the material for the four frame holes.

Tip: First drill the knob axis hole, slide the lock through it, and mark the four screw holes.



2 Place the locking unit

Place the locking unit on the back of the cabinet and insert the knob axle from the back through the hole.



3 Secure the locking unit in place

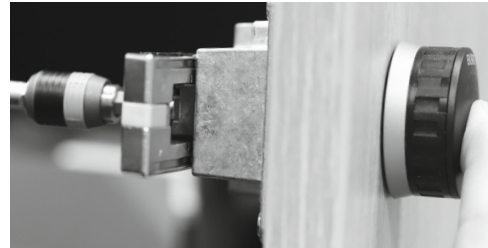
Secure the locking unit using the provided screws (Torx 20). It is recommended to tighten the screws diagonally, one after another.



4 Place the knob in position and tighten it securely

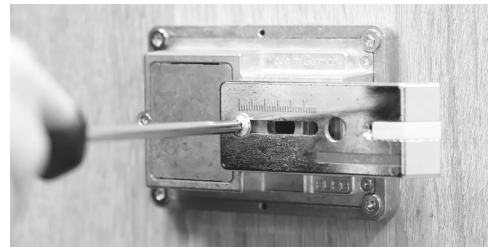
Place the knob from the front, hold it in place, and tighten it from the back of the lock using a hex key (size 2.5 mm). Apply a maximum torque of 3 Nm. You can use a torque wrench with variable torque setting, such as the Wera 7441, for this purpose.

Important: The spring contacts in the knob must be aligned with the golden points of the connector.



5 Adjusting the bolt

Loosen the bolt screw enough to allow the bolt to move. Rotate and hold the knob all the way to the right. Adjust the position of the bolt so that it aligns with the strike plate or the door frame's recess (in the case of metal lockers) when the door is closed. Close the door to allow the bolt to move into the correct position. Open the door and tighten the bolt adjustment screw.



Configuration

1 Enroll Master-card

a) HF-Version (incl. 125 kHz)

1. Open the battery compartment and remove the outer battery.
2. Press the white button on the circuit board until you hear a ticking sound.
3. Hold the master-card to be enrolled in front of the knob during the ticking sound (within 5 seconds).
4. Two ascending tones will confirm the successful process.
5. Insert the battery and close the battery compartment.

Note: The white button must not be pressed with a metallic object.

b) LF-Version

1. Hold the master-card in the middle of the knob.
2. Two ascending signal tones confirm the successful process.

Note: The master-card IDs are pre-programmed onto the general-card at the factory.

2 Enroll transponder (Private-mode)

1. Unlock the lock.
2. Hold the master-card in the middle of the knob until you hear a beep.
3. During the beep, hold the transponder to be enrolled in the middle of the knob.
4. Two ascending tones confirm the successful enrollment.

Note: After each enrolled transponder, the beep duration extends by 5 seconds, allowing for the enrollment of additional transponders.

3 Unlearn transponder (Private-mode)

1. Unlock the lock.
2. Hold the master-card in the middle in front of the knob until a ticking sound is heard.
3. Hold the transponder to be unlearned in the middle in front of the knob during the ticking.
4. Two ascending signal tones confirm the successful process.

Note: To delete all learned transponders, the "Transponder Reset" function-card can be used.

4 Activate and deactivate functions.

1. Unlock the lock.
2. Hold the master-card in the middle in front of the knob until a ticking sound is heard.
3. Hold the function-card in the middle in front of the knob during the ticking.
4. Two ascending signal tones confirm the successful process.

Note: The deactivation is done in the same way.

Function-cards:

- | | |
|----------------------|-------------------------------|
| ▪ Multiuser-mode | ▪ Automatic lock |
| ▪ Private-mode | ▪ Function-reset (Reset 1) |
| ▪ Signal tones | ▪ Transponder-reset (Reset 2) |
| ▪ LED lock indicator | |

5 Release occupied transponders.¹

1. Unlock the lock.
2. Hold the master-card in the middle in front of the knob until a ticking sound is heard.
3. Hold the master-card again in the middle in front of the knob until two ascending signal tones are heard.
4. After the ticking, hold the transponder to be released in the middle in front of the knob within 10 seconds.
5. Two ascending signal tones confirm the successful process.

Operation

1 Close

1. Close the door (press lightly). Hold the transponder in the middle in front of the knob for 3 seconds.
2. The illumination of the red LED and the sound of the signal tones (if enabled) confirm the successful process.

Note: With the automatic lock enabled, the lock will automatically relock after a few seconds upon opening.

2 Open

1. Hold the transponder in the middle in front of the knob
2. The illumination of the green LED and the sound of the signal tones (if enabled) confirm the successful process.
3. Turn the knob and pull the door open.

¹ Only applies to the HF-Version (incl. 125 kHz)

Reset to factory defaults

1 Reset 1: Function reset

1. Unlock the lock.
2. Hold the master-card in the middle in front of the knob until a ticking sound is heard.
3. Hold the function-card "Function reset" in the middle in front of the knob during the ticking.
4. Two ascending signal tones confirm the successful process.

2 Reset 2: Transponder reset

1. Unlock the lock
2. Hold the master-card in the middle in front of the knob until a ticking sound is heard.
3. Hold the function-card "Transponder reset" in the middle in front of the knob during the ticking.
4. Two ascending signal tones confirm the successful process.

Battery change

- 1 Loosen the screw (Torx 8) of the battery compartment cover on the back of the locking unit.
- 2 Remove the battery compartment cover and remove the batteries according to the instructions for the respective variant
HF-Version: Remove both batteries simultaneously and replace them within 10 seconds.
LF-Version: Remove both batteries one after the other.
- 3 Insert new batteries according to the +/- symbols.
- 4 Insert the battery compartment cover and close it with the screw on the back of the locking unit.

Note: Depending on the position of the latch, it may need to be adjusted to open the battery compartment. It is recommended to mark the latch position before making any adjustments so that it can be reset to the correct position after the replacement.

Disposal and battery notice

The EU Directive 2012/19/EU regulates the proper collection, treatment, and recycling of used electrical and electronic equipment. Every consumer is legally obligated to dispose of batteries, accumulators, or electrical and electronic devices ("Waste Electrical and Electronic Equipment" or "WEEE") separately from household waste, as they contain hazardous substances and valuable resources. Disposal can be done at an authorized collection or take-back point, such as a local recycling center or waste facility. Electrical waste, batteries, or accumulators are accepted there free of charge and undergo environmentally friendly and resource-efficient recycling. Electrical waste, used batteries, or accumulators can also be returned to us. The return shipment must be adequately postage-paid and sent to the address provided below.

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



Caution when using batteries!

The battery can explode or release flammable gases if mishandled, damaged, or if an incorrect battery type is used. Do not recharge, disassemble, expose to extreme high temperatures, or throw the battery into fire.

On batteries containing hazardous substances, you will find abbreviations indicating the presence of Cadmium (Cd), Mercury (Hg), and Lead (Pb) as ingredients.

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