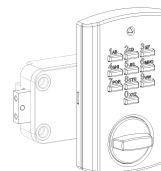


# Operating instructions, TULOX 100, model 4.17.0010.0

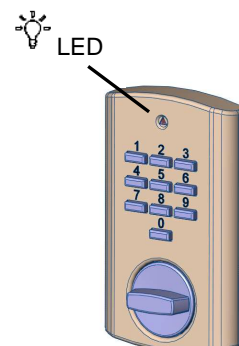
1 manager, up to 8 user, opening delay, opening delay override



## Symbols used

✓	Entry ok
✗	Entry wrong or denied
■	Short key tone, high
■	Long key tone, high

💡	LED on
💡	LED off
▣	Short key tone, low
2 sec. ⏰	Press key for 2 sec.



### Note:

- Entry is cancelled after 10 seconds have passed without a key being pressed.

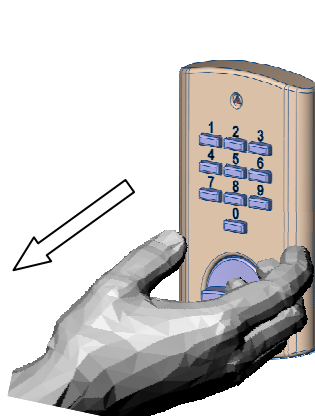
## Inserting / changing batteries

To insert or change batteries, take the cover off with slight tensile

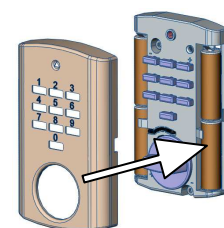
Insert new batteries (4x, 1.5V, alkaline, AA, mignon, LR6) in the keypad. Make sure the right polarity is used, as indicated on the casing.

Place the cover back over the base.

**If the cover is not on, then the lock cannot be operated.**



Dismounting the cover



Place cover on  
**Be sure the keys are straight.**

After the cover has been placed back on, the keys will emit a different tone (at a lower frequency) until a valid code has been entered.

If you hear other tones without having intentionally removed the cover, then check the keypad for potential manipulation!

**Caution!** If the cabinet has an additional handle for opening, then it must be turned all the way into locking position.

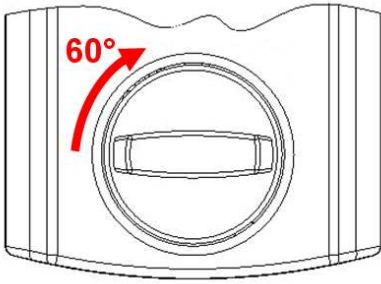
If this is not done, then the electronic lock cannot be operated properly.

Only then enter the code, wait for the audible release indicator and turn the rotary handle clockwise max. 60 degrees.

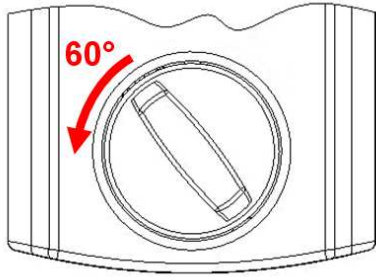
The electronic lock is now unbolted and the safe can be opened using the extra handle, if applicable.

Opening

Upon leaving the factory, the lock's manager code is configured as 1 – 2 – 3 – 4 – 5 – 6.  
For security reasons, change the factory configured master code immediately (see special function 0)!

Enter code	①②③④⑤⑥	✓ : ■■	✗ : ■■■■
After hearing the signal indicating correct entry, turn the rotary handle clockwise within 3 seconds.			


Closing

Turn the rotary handle counter clockwise	
--	--

After closing, make sure that the lock has locked properly!



Wrong try penalty

- Note:**
- After four invalid codes the entry is blocked for about 5 minutes. During this period the lock signals at 10 seconds. After this time penalty, the entry of every second invalid code initiates a new 5 minutes delay period.

4 x incorrect code [ + 2 further incorrect codes ]	The lock cannot be accessed during lockdown (5 minutes)	Every 10 sec 	■ When key is pressed
---	---	--	-----------------------

Special function 0: Changing a code (manager code and user code)

- Note:**
- The code must be 6 digits
  - Do not use any personal or similarly known data, such as birthdays, for your code.
  - New codes will be rejected if
    - The new code deviates from an existing code by only one digit.
    - The new code is identical to the code of a deactivated user (see special function 3).
  - If the new code is rejected, then the programme will exit the function immediately.
  - For security reasons, you should only change the code when the safe's door is open. Please check that the new code is functioning properly before closing the door.








Start special function 0	① (2 sec.  )		✓ : ■■	
Enter old code	①②③④⑤⑥ (example)	 constant	✓ : ■■	
Enter new code	⑥⑤④③②① (example)		✓ : ■■	✗ : ■■■■
Re-enter new code	⑥⑤④③②① (example)		✓ : ■■	✗ : ■■■■

## Special function 1: Setting up a new user

The only active user in the factory settings is the user with the master code. Further users will have to be activated before they can operate the lock.

### Note:

- Can only be executed with the master code
- The new code must be 6 digits.
- Do not use any personal or similarly known data, such as birthdays, for your code.
- New codes will be rejected if
  - The new code deviates from an existing code by only one digit.
  - The new code is identical to the code of a deleted user (see special function 3).
- If the new code is rejected, then the programme will exit the function immediately.
- For security reasons, you should only create new users when the safe's door is open. Please check that the new code is functioning properly before closing the door
- User number 9 for bypassing opening delay (code for quick open) can only be created if
  - Opening delay is switched off (see special function 9)
  - Opening delay is turned on, the opening delay time has passed and the time frame for opening is active (see special function 9).
- Use only the keys between 1 to 8 for setting up a new user
- The key 9 is for the "opening delay override (quick open code)"



Start special function 1	① (2 sec.  )		✓ : ■ ■	
Enter manager code	① ② ③ ④ ⑤ ⑥ (example)	 constant	✓ : ■ ■	✗ : ■ ■ ■ ■
Select user number (1 – 8) with following differentiations now: ◦ User selection ok ↓ ◦ User already set-up ◦ User cannot be selected	③ (example)  Cancel (LED off) Cancel (LED off)	 constant  	✓ : ■ ■ ✓ : ■ ■	✗ : ■ ■ ■ ■
Enter new code	⑥ ⑤ ④ ③ ② ① (example)	 constant	: ■ ■	✗ : ■ ■ ■ ■
Re-enter new code	⑥ ⑤ ④ ③ ② ① (example)	 constant	✓ : ■ ■	✗ : ■ ■ ■ ■

## Special function 2: Turning users on/off

All normal users are turned on or off.

### Note:

- Can only be executed with the master code
- The lock can only be opened with the master code when users are turned off.




Start special function 2	② (2 sec.  )		✓ : ■ ■	
Enter the master code	① ② ③ ④ ⑤ ⑥ (example)	 constant	✓ : ■ ■	✗ : ■ ■ ■ ■

## Special function 3: Deleting users

This function has to be executed for each user separately

### Note:

- Can only be executed with the master code

Start special function 3	③ (2 sec.  )		✓ : ■ ■	✗ : ■ ■ ■ ■
Enter master code	① ② ③ ④ ⑤ ⑥ (example)	 constant	✓ : ■ ■	
Select user number (1 – 8), with following differentiations now:	③ (example)			
◦ User deleted			✓ : ■ ■	

## Special function 6: Checking the keypad

Press each key once, in order. Start with 1, then 2 .... 8, 9, 0.

- Each key that is recognised will be confirmed with a double beep.
- If the next sequential key is not recognised when pressed => Long beep and test function aborted.

Start special function 6	⑥ (2 sec. ⏰)		✓ : ■ ■	
Press key 1	①	💡 constant	✓ : ■ ■	✗ : ■ ■ ■ ■
Press key 2 ...8, 9, 0	② ... ⑧ ⑨ ⑩	💡 constant	✓ : ■ ■	✗ : ■ ■ ■ ■

## Special function 7: User info

This function provides you with an overview of the number of user slots that are free / being used.

### Note:

- Can only be executed with the master code

Start special function 7	⑦ (2 sec. ⏰)		✓ : ■ ■	
Enter master code	① ② ③ ④ ⑤ ⑥ (example)	💡 constant	✓ : ■ ■	✗ : ■ ■ ■ ■
Select user number (1 – 8)	③ (example)	💡 constant	<div> <div>■ ■</div> <div>Created, in use</div> </div>	
Select further numbers	④ (example)		<div> <div>■</div> <div>Deleted, free</div> </div>	
End query	⑩ or waiting 10 sec.	💡	■ ■	

## Operating with opening delay

## Special function 9: Configuring the opening delay

Special function 9: Configuring the opening delay

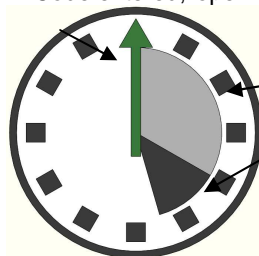
Opening delay time

01 to 99 Minutes (2 digits), turns on function  
This is the amount of time that has to be waited before the lock can be opened.

Opening window

01 to 19 Minutes (2 digits),  
The code must be re-entered within this amount of time in order to open the lock

1. Code entered, opening delay time starts



Opening delay time,  
💡 every 2 sec

Opening window,  
💡 and ■ interchange in  
1-sec. tact.  
Entering the code within the  
opening window will open  
the lock

### Note:

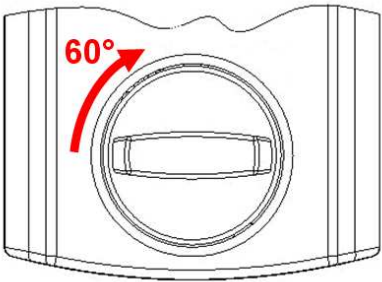
- Can only be executed with the manager code
- A **shorter opening delay time** has to be entered **during the opening window** (after the opening delay has passed).
- If the function is called up **prior to or during the opening delay time**, then the opening delay time can **only be extended**. Shorter times will not be accepted.
- After the times have been changed, the opening window will continue to run. Code entry for opening is possible.

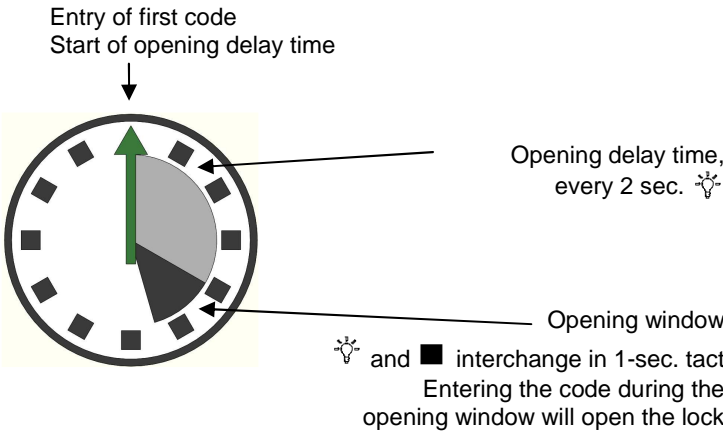
Start special function 9	⑨ (2 sec. ⏰)		✓ : ■ ■	
Enter manager code	① ② ③ ④ ⑤ ⑥ (example)	💡 constant	✓ : ■ ■	✗ : ■ ■ ■ ■
Opening delay time • For example, 20 min	• ② ⑩ (example)	💡 constant		
Opening window For example, 7 min	⑩ ⑦ (example)	💡 constant	✓ : ■ ■	
Repeat entry	• ② ⑩ (example) • ⑩ ⑦ (example)	💡	✓ : ■ ■	✗ : ■ ■ ■ ■

Opening with opening delay activated

Note:

- Entering an invalid code during the opening delay time will cancel the entire process

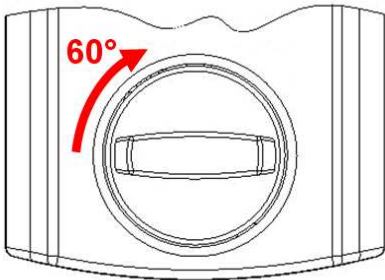
Enter code	⑥ ⑤ ④ ③ ② ① (example)		✓ : ■ ■	✗ : ■ ■ ■ ■
Opening delay time is running		every 2 sec. 💡		
Opening window starts		💡 and ■ interchange in 1-sec. tact		
Re-enter valid code (within the opening window)	⑥ ⑤ ④ ③ ② ① (example)		✓ : ■ ■	✗ : ■ ■ ■ ■
After hearing the signal indicating correct entry, turn the rotary handle clockwise within 3 seconds				

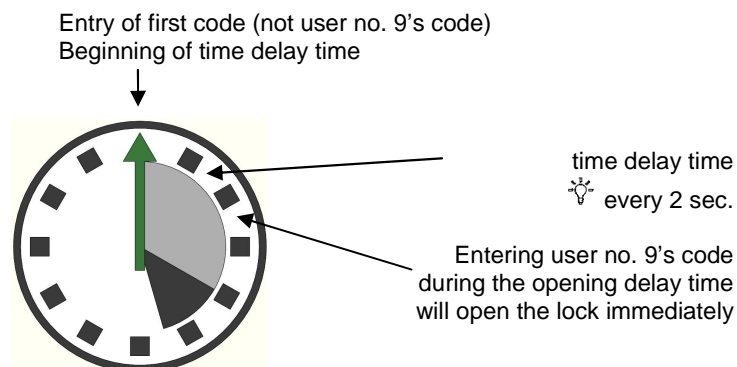


## Opening delay override (quick open code)

### Note:

- User no. 9 must be active (see special function 1)
- Users must be turned on (see special function 2)
- The first code (code for starting the opening delay) may not be user no. 9's code

Enter the code	⑥⑤④③②① (example)		✓ : ■■	✗ : ■■■■
Time delay time is running		💡 every 2 sec.		
Enter user no. 9's code	③②①⑥⑤④ (example)		✓ : ■■	✗ : ■■■■
After hearing the signal indicating correct entry, turn the rotary handle clockwise within 3 seconds				



## Turning off the opening delay

Opening delay time  
00 will turn off the function.

Opening window  
01 to 19 has to have a value of 01 to 19 when turning off as well

### Note:

- Can only be executed with the manager code
- This function can only be **turned off during the opening window** (after the opening delay time has passed).
- After this function has been turned off, the opening window will run for one last time. Code entry for opening is possible.

Enter code	⑥⑤④③②① (example)		✓ : ■■	✗ : ■■■■
Opening delay time is running		Every 2 sec. 💡		
Opening window starts		💡 and ■ interchange in 1-sec. tact		
Start special function 9	⑨ (2 sec. 💡)		✓ : ■■	
Enter manage code	①②③④⑤⑥ (example)	💡 constant	✓ : ■■	✗ : ■■■■
Opening delay time • off: 00	①① Function off	💡 constant		
Opening window Value between 01 and 19	①① (example)	💡 constant	✓ : ■■	
Repeat entry	<ul style="list-style-type: none"> <li>• ①①</li> <li>• ①① (example)</li> </ul>	💡	✓ : ■■	✗ : ■■■■

## EMERGENCY FUNCTION: Opening the lock with a mechanical key (optional)

Some TULOX electronic – safe lock – systems come with a mechanical key, depending on the model. This key can be used to open the key even, for example, when you have forgotten the valid electronic opening code.

### Security information:

- The key must always be taken out after locking so that it is not accessible to unauthorised persons.
- The key must always be kept in a safe place.
- **Do not keep the key in your safe!**
- If the key is lost, replace the lock immediately.

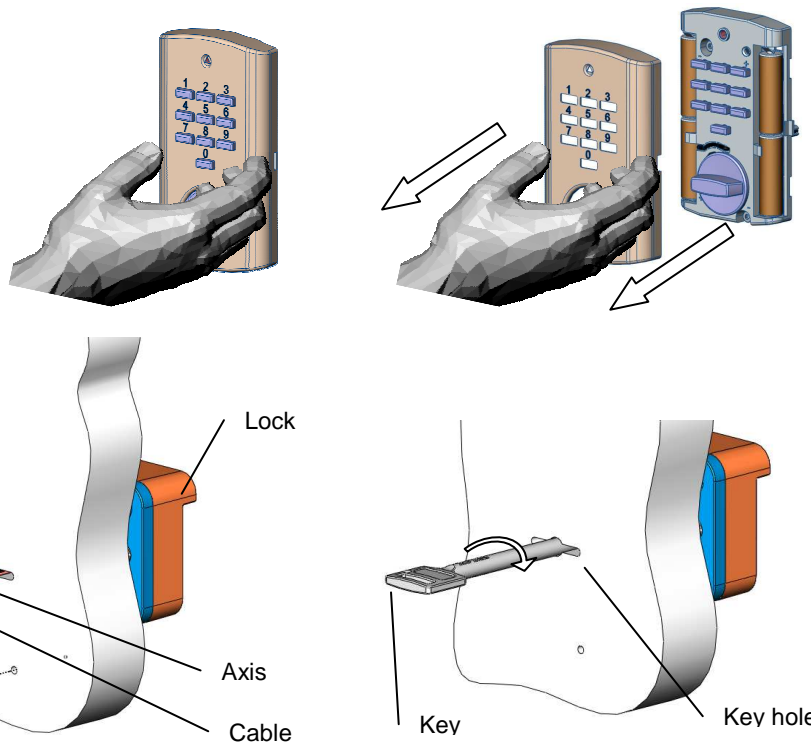
## Removing the keypad

The keyhole for the lock is behind the keypad.

Take the cover off with slight tensile

Now you will see the batteries and the attachment screws.

Remove the 2 screws and pull the keypad off the safe wall. The axis and the cable will become visible.



Depending upon the type of mounting, the cable has been run through the axis (see top image) or through a separate drilled hole.

- If the cable has been run through the axis, then you will have to pull the cable out with a short jerk. Only then will you be able to lay the keypad to the side. Remove the axis from the keyhole. Now the keyhole is free and you can open the lock using the key. Before the lock can be opened again by entering a code, the cable has to be replaced and assembled properly. Call a service technician to do this.
- If the cable has been run through a separate drill hole, then you will only have to pull the axis through the key hole. Now the keyhole is free and you can open the lock using the key. Before the lock can be opened again by entering a code, the axis and the keypad have to be replaced and assembled properly.

## Opening with a key

Insert the key all the way into the lock. The lock is opened by turning the key ca. 170° in a clockwise direction.

The key is used to move the lock only. When using the key to pull the door open, please be aware that the key can only take on a limited amount of force. Applying too much force can cause damage to the lock and the key.

## Locking with a key

Locking is done in the opposite procedure as opening.

## Battery warning

If the batteries reach a critically low level of charge, there will be an early warning of several signal tones after opening.  
Replace the batteries (4x, 1.5V, alkaline, AA, mignon, LR6)

■■■■■■ after opening