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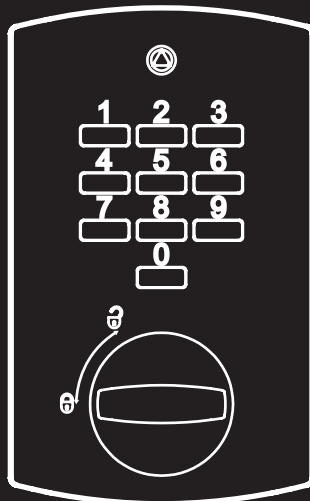
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TULOX 100

Instruction Manual

V4





About this User Manual

Thank you for purchasing our TULOX Safe Lock System.

This product has been developed and produced carefully in Germany. It offers comfortable securing and operating of your safe. This TULOX User Manual has been written in particular to guide you step by step through the functions and operating options of your lock system.

- Please read this manual thoughtful to guaranty safe and correct usage.
- Please keep this manual for further reference.

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- Flash 4** Dual Mode, 1 Master, up to 9 Users, Opening Delay
 - Changing a Code (Master Code and User Code) (Special Function 0)
 - Create User (Special Function 1)
 - Delete User (Special Function 3)
 - Checking the Keypad (Special Function 6)
 - User Information (Special Function 7)
 - Reset (Special Function 8)
 - Opening Delay (Special Function 9)

- Flash 5** 1 Master, up to 8 Users, Opening Delay, Fast Opening Code
 - Changing a Code (Master Code and User Code) (Special Function 0)
 - Create User (Special Function 1)
 - User On / Off (Special Function 2)
 - Delete User (Special Function 3)
 - Checking the Keypad (Special Function 6)
 - User Information (Special Function 7)
 - Reset (Special Function 8)
 - Opening Delay (Special Function 9)
 - Opening Delay Override (Quick Open Code User 9)

Symbols used

	Entry OK		LED on
	Entry wrong or denied		LED off
	Short key tone, high		Short key tone, low
	Long key tone, high	2 sec.	Press key for 2 sec.



Inserting / Changing Batteries

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

Dismounting the cover

Place cover on

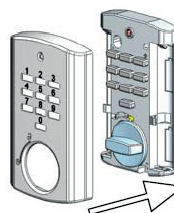
Insert new batteries (4x, 1.5V, alkaline, AA, mignon, LR6) in the keypad.

Make sure the right polarity is used, as indicated on the case.

If the cover is not put on correctly, the lock cannot be operated.



Be sure the keys are straight.



After the cover has been installed, the key tones will sound deeper until a valid code has been entered. If, despite the correct mounting of the cover, you hear deep tones, check the keyboard for possible tampering!



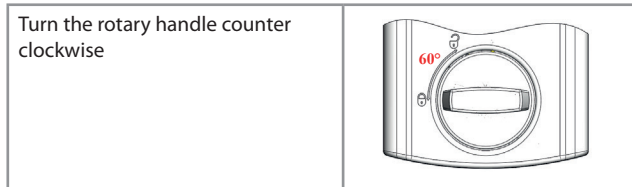
If the cabinet has an additional handle for opening, it must be turned all the way into locking position.

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

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

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



Closing



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

Misentry Penalty






After 4 invalid codes the entry is blocked for about 5 minutes. During this period the lock signals every 10 seconds. After this time penalty, the entry of every second invalid code initiates a new 5 minutes delay period.

<p>4 x incorrect code [+ 2 additional incorrect codes]</p>	<p>The lock cannot be accessed during lockdown (5 minutes)</p>	<p> every 10 sec.</p>	<p> on keystroke</p>
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Special Function 0: Changing a Code (Master Code and User Code)

Note:

- The code must contain 6 digits.
- Do not use any personal or similarly known data, such as birthdays, for your code.
- Simple codes that are easy to guess, may not be used.
Avoid to record the selected code or save to disk. Should that for various reasons can not be avoid, so the recorded code is to be kept safe and to be protected against unauthorized access by third parties.
- 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, 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. )	 constant	✓ ■ ■	
Enter old code	① ② ③ ④ ⑤ ⑥	(example)	 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 1: Create User

The only active user by 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 contain 6 digits.
- Do not use any personal or similarly known data, such as birthdays, for your code.
- Simple codes that are easy to guess, may not be used.
Avoid to record the selected code or save to disk. Should that for various reasons can not be avoid, so the recorded code is to be kept safe and to be protected against unauthorized access by third parties.
- 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, 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.
- User number 9 for bypassing opening delay (quick open code) 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)




Start special function 1	①	(2 sec. )	 constant	✓ ■ ■	
Enter master code	① ② ③ ④ ⑤ ⑥	(example)	 constant	✓ ■ ■	✗ ■ ■ ■ ■ ■ ■
** Select user number - with following differentiations:	③	(example)			
- User selection ok			 constant	✓ ■ ■	
- User already set-up	Cancel		O off	✓ ■ ■	
- User cannot be selected	Cancel		O off		✗ ■ ■ ■ ■ ■ ■
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 (Flash 5)

All 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. )	 constant	✓ ■ ■	
Enter the master code	① ② ③ ④ ⑤ ⑥	(example)	 constant	✓ ■ ■	✗ ■ ■ ■ ■ ■ ■




** Maximum number of users subject to flash version

Special Function 3: Delete User

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. )	 constant	✓ ■ ■	
Enter master code	① ② ③ ④ ⑤ ⑥	(example)	 constant	✓ ■ ■	✗ ■■■■
** Select user number - with following differentiations:	③	(example)			
- User deleted			O off	✓ ■ ■	
- User cannot be selected	Cancel		O off		✗ ■■■■

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 tone.
- If the next sequential key is not recognised when pressed => long tone and test function aborted.

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

** Maximum number of users subject to flash version

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. ⏱)	💡 constant	✓ ■■	
Enter master code	① ② ③ ④ ⑤ ⑥	(example)	💡 constant	✓ ■■	✗ ■■■■
** Select user number - select further numbers	③ ④ ⑦	(example) (example) (example)	💡 constant	■■ ■■ ■ ■■ ■■■■	occupied vacant unusable
End query	①		⓪ off	✓ ■■	

Special Function 8: Reset

This function allows you to reset the lock to factory setting.

Note

- Can only be executed with the master code.

Start special function 8	⑧	(2 sec. ⏱)	💡 constant	✓ ■■	
Enter master code	① ② ③ ④ ⑤ ⑥	(example)	💡 constant	✓ ■■	✗ ■■■■

Operating with Opening Delay

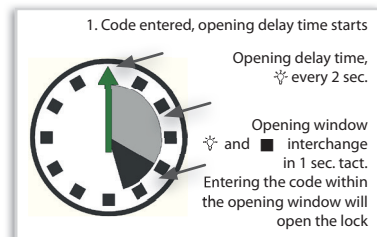
Special Function 9: Configuring the Opening Delay

Configuring the opening delay

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



** Maximum number of users subject to flash version

Note:

- Can only be executed with the master 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, 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.
- Entry of two valid codes within the opening window with **Flash 4** only (see **Opening after Dual Mode Operation**).

Start special function 9	⑨	(2 sec. )	 constant	✓ ■ ■	
Enter master 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 ⑩ ⑦	(example) (example)	O off	✓ ■ ■	✗ ■ ■ ■ ■ ■ ■

Special Function 9: Turning off the Opening Delay

Opening delay time

00 will turn off the function

Opening window

01 to 19 must not have a value of 00

Note:

- Can only be executed with the master 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.

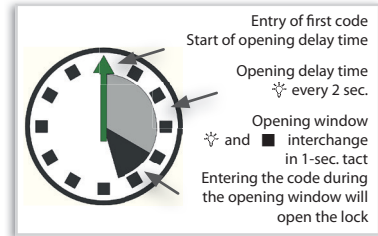
Enter code	⑥ ⑤ ④ ③ ② ①	(example)	💡 constant	✓ ■ ■	✗ ■■■■
Aperture delay time is running			ev. 2 sec. 💡		
Start Opening window			💡 and ■ alt. in 1 second clock		
Special function 9 starts	⑨	(2 sec. 📞)	💡 constant	✓ ■ ■	✗ ■■■■
Master code	① ② ③ ④ ⑤ ⑥	(example)	💡 constant	✓ ■ ■	✗ ■■■■
Opening delay • exhibit: 00	⑩ ⑩	function off	💡 constant		
Opening window Value between 01 und 19	⑩ ①	(example)	💡 constant	✓ ■ ■	
Repeat entry	⑩ ⑩ ⑩ ①	(example) (example)	0 off	✓ ■ ■	✗ ■■■■

Opening with Opening Delay activated

Note:

- Entering an invalid code during the opening delay time will cancel the entire process
- Entry of two valid codes within the opening window with **Flash 4** only (see **Opening after Dual Mode Operation**).

Enter code	⑥ ⑤ ④ ③ ② ①	(example)	💡 constant	✓ ■ ■	✗ ■■■■
Opening delay time is running			ev. 2 sec. 💡		
Opening window starts			💡 and ■ alt. in 1 second clock		
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					

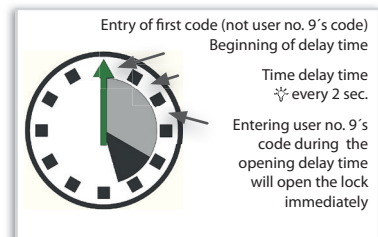


Opening Delay Override (Quick Open Code) (Flash 5)

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	⑥ ⑤ ④ ③ ② ①	(example)	⚡ constant	✓	■ ■	✗ ■ ■ ■ ■
Time delay time is running			ev. 2 sec. ⚡			
Enter user no. 9's code	③ ② ① ⑥ ⑤ ④	(example)		✓	■ ■	✗ ■ ■ ■ ■
After hearing the signal indicating correct entry, turn the rotary handle clockwise within 3 seconds						



**EMERGENCY FUNCTION: Opening the Lock with a Mechanical Key**

The TULOX electronic safe lock comes with a mechanical key. This key can be used to open the safe 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.
- Any records of the used Code shall be stowed in a way that they are not accessible to third parties.
- When entering the code, make sure that the input can not be observed by bystanders.

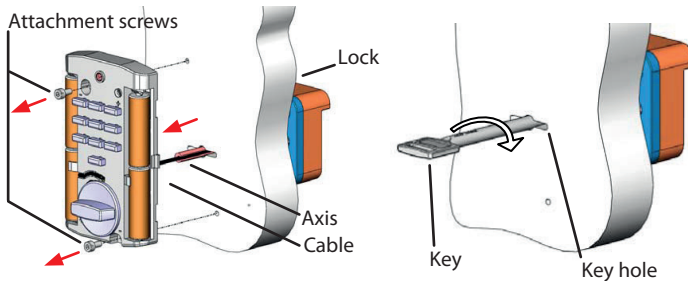
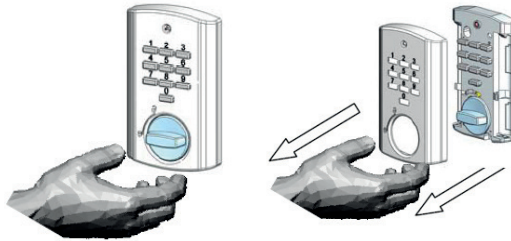
Removing the Keypad

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 on the type of mounting, the cable has been run through the axis (see image on page 29) 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 start. 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

First step:

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

■ ■ ■ ■ ■ ■ after opening

Second step:

At this stage the supply voltage has reached a critically low level, therefore an opening is no longer possible. Already after entry of the first digit you receive several acoustic warnings. Replace the batteries (4x, 1.5V, alkaline, AA, mignon, LR6).

■ ■ ■ ■ ■ ■ before opening



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