

Operating Instruction for Electronic Lock E4500

KEYING IN A NUMERICAL CODE

Further below in these instructions, you will be asked a number of times to enter a PIN-number and/or a number combination. To do this, please proceed as follows: Key in at first the required PIN-number and then the whole number combination (consisting of 6 or 8 figures), the electronic system will complete the program automatically.

OPENING THE LOCK

To gain access to the lock, two six-digit numerical user codes have to be entered, one immediately following the other. The first six figures of an eight-digit master code are also regarded as a user code. Our locks leave the factory with only the two master codes set to factory settings (PIN-number 1 set to master code 1111111, and PIN-number 2 set to master code 2222222).

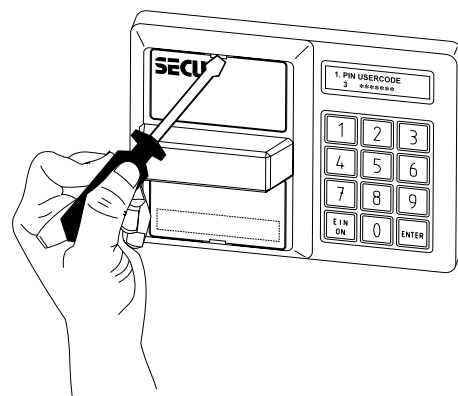
1. Press the EIN/ON-key. If the lock is on standby for locking (normal state), you will hear a short, high-pitched signal tone.
2. Key in the first valid PIN-number (e.g. "2").
3. Key in the first, six-digit numerical code belonging to the PIN-number (e.g. 2 5 3 3 0 8).
4. You will hear the short, high-pitched signal tone again indicating that the entry is valid. A short, low-pitched signal tone indicates that you entered the wrong combination (CAUTION: during the entire opening procedure, an entry can be repeated no more than twice, then the lock comes into the blocked status for 15 minutes).
5. Set the second valid PIN-number (e.g. "4") within the next 15 seconds.
6. Key in the second, six-digit numerical code belonging to the second PIN-number (e.g. 3 3 8 6 7 1).
7. You will hear the short, high-pitched signal tone again indicating that the entry is valid. A short, low-pitched signal tone indicates that you entered the wrong combination (CAUTION: during the entire opening procedure, an entry can be repeated no more than twice).
8. The opening delay controlled by the security center now elapses. The end of the opening delay is signaled by 15 seconds of short, high-pitched tones. As you hear these, you can start entering the opening code.
9. Key in the eight-digit opening code (factory setting: 1 2 3 4 5 6 7 8).
10. The sounding of another short, high-pitched signal tone signals "valid entry". A short, low-pitched signal tone signals "wrong entry" (you can repeat the entry, but this is only possible twice during the entire opening procedure).
11. Open the lock by the lock handle by turning it a half turn within 5 seconds. The electronic system will automatically switch itself off after the 5 seconds have lapsed.

REMARKS

- If you press the EIN/ON-key at any point of the number entering process, you will automatically go to the standby-mode of the lock, from where the opening procedure can be repeated from the beginning.
- After keying in a wrong combination number the third time during any one opening cycle, the electronic system will automatically block the lock for 15 minutes (manipulation security). During this time, the lock cannot be opened, even if the correct combination is keyed in. The end of the blocking time is indicated by 2 short, high-pitched tones.
- If more than 15 seconds lapse between keying in any two numbers, the electronic system will switch itself off for security reasons. The opening or number coding procedure will then have to be repeated from the beginning.
- The stored data are not lost in the event of a power failure.

EMERGENCY POWER SUPPLY IN THE EVENT OF A POWER FAILURE

In the event of a failure of the main power supply, the lock can be supplied with power from standard batteries to be opened. To fit the batteries, place a screwdriver in the side slots of the top and bottom cover plates and lift the covers off. Fit four leakproof miniature LR 6 alkaline batteries (AA-type). The batteries are only suitable for maintaining the power supply for a short period of time. Make sure they are removed from the battery enclosure as soon as the main power supply is working again. Please note that the time and date have to be reset after each power failure, no matter how short. To set the time and date, change to the programming mode.



LIST OF THE VARIOUS SIGNAL TONES

High-pitched tones

- 1 x short: EIN/ON key pressed or bolt mechanism unblocked.
- 2 x short: End of blocked status.
- 1 x long: Start coding mode.
- 2 x long: Coding process completed correctly.

Low-pitched tones

- 1 x short: The entered code is wrong.
- 2 x short: EIN/ON key pressed while blocked.
- 1 x long: This signal sounds after entering the correct numerical code after the lock has been manipulated (blocked status).
- 2 x long: Coding process incorrectly performed. The old code remains valid.
- 3 x long: The batteries have to be replaced.
- Continuous tone: The electronic lock's automatic fault detection routine has detected a defect. Please contact the service department, even if the electronic system is still in perfect working order. Press the EIN/ON or ENTER key to silence the signal tone.

ENTERING THE PROGRAMMING MODE after keying in two master codes (PIN-numbers 1 and 2)

You can only enter the programming mode when the door is open and blocked in the open condition. The factory setting of the two master codes are: PIN-number 1 has master code 11111111, PIN-number 2 has master code 22222222.

1. Press EIN/ON. You are now expected to key in the first PIN-number.
2. Do not so, press only ENTER.
3. Key in the first PIN-number belonging to a master code.
4. Key in the first eight-digit master number combination (e.g. 3 0 2 5 3 3 0 8) belonging to the PIN-number.
5. You will hear a short, high-pitched signal tone if you have entered the correct number. A short, low-pitched signal tone indicates that you have entered the wrong combination (in this case it is possible to enter the combination again twice).
6. Key in the second PIN-number belonging to a master code.
7. Key in the second eight-digit master number combination (e.g. 2 5 3 3 0 8 2 9) belonging to the PIN-number.
8. A long, high-pitched signal tone indicates that you have entered the correct number and that the system is entering the number coding mode. A short, low-pitched signal tone indicates that you have entered the wrong combination (in this case it is possible to key in the combination again twice).

A. CHANGING A NUMBER COMBINATION OR DELETING A PIN-LOCATION IN THE PROGRAMMING MODE

PLEASE PERFORM THE CHANGING OF THE CODE ONLY WITH THE DOOR OPEN AND BLOCKED IN THE OPEN CONDITION AND DO NOT USE PERSONAL DATES (e.g. a birthday).

If the number combination used to set the lock is lost or forgotten, it is no longer possible to open the safe. Therefore:

DO NOT FORGET THE NEW NUMBER COMBINATION OR STORE IT IN A SAFE PLACE!!!!

1. In order to change a number code, enter the programming mode, and key in the figure "0" for changing a master code, the figure "1" for a new usercode or the figure "3" for selecting a new opening code, and press ENTER. If you only want to change a user or master code, you now have to additionally key in the relevant PIN- number (e.g. "5").
2. Key in the new number combination you have selected (please note that the master codes, at PIN-locations 1 and 2, and the opening code are 8-digit numbers, whereas the user codes at PIN-locations 3 through 9 and 0 are 6-digit numbers) (e.g. 2 4 7 3 5 8). You will hear a short, high-pitched tone to indicate that the entry is valid. If you have keyed in an invalid new user code (e.g. a trivial number such as 1 2 3 4 5 6) the electronic system will automatically change to the standby mode of the lock, and you will have to start again from the beginning. In this case the old code remains valid. Trivial number combinations consist of distinctive number sequences that are automatically identified and refused by the lock.
3. Key in the new number combination once more. Two long, high-pitched tones indicate that you have successfully completed recoding of the lock. If the new number combination you keyed in does not match the new combination keyed in before (s. item 2), the lock will go back to the standby mode and the old code will remain valid.

TEST - PLEASE CARRY OUT WITHOUT FAIL !

With the door open and blocked, it should not be possible to turn the lock handle a half turn. Press the EIN/ON key, and perform the whole opening procedure from the beginning. After completing it, it should be possible to open the lock after turning the lock handle a half turn.

B. DELETING OR BLOCKING A PIN-LOCATION IN THE PROGRAMMING MODE

Key in the figure "2" after having successfully entered the programming mode. Select the PIN-number to be deleted, and press ENTER. As a sign that the PIN-number has been deleted successfully, you will hear two long, high-pitched signal tones.