

Electronic lock 7202

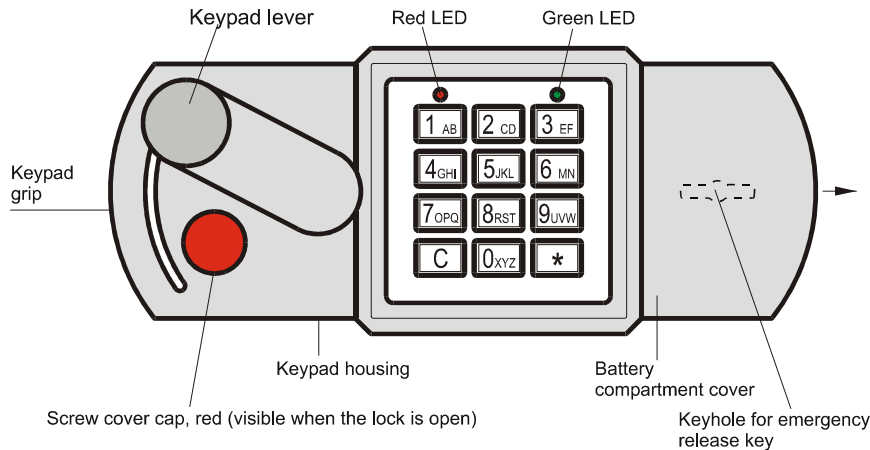


Fig. 1

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1. Important notes

- Please read these instructions carefully and completely before putting the lock in operation.
- Replace the **0_123456** factory combination immediately by programming your own master combination; see Section 8.1.
- Do not use any personal data for your new master or user combination.
- The maximum permissible interval between any two keypad entries is 30 seconds. If this limit is exceeded, then the entire procedure will have to be repeated from the beginning.

- A signal tone sounds each time a button is pressed.
- A 10-second time-out period will be started after invalid combinations have been entered in three consecutive attempts.
- Do not damage the inspection seal on the lock as the guarantee will otherwise be invalidated.

1.1 Explanation of terms

The following terms and symbols are used:

User number	=	User number (abbreviated UNo.) UNo. = 0 for master UNr. = 1 to 5 für users
Code	=	A series of digits, e.g. 4 7 6 2 3 9
Combination	=	A series of digits required to open the lock. It comprises the: User number and code: Example for the master combination 0_6 5 4 7 2 1 Example of a user combination 3_8 7 9 5 8 3
Factory combination	=	The initial combination, programmed at the factory. The combination for this electronic lock has been pre-set to 0_1 2 3 4 5 6
Master combination	=	Combination used by the master to open the lock
User combination	=	Combinations for additional users. All user combinations are subordinate to the master combination.
P - No.	=	Program number
LED	=	Light-emitting diode at the keypad.
Note	=	
Caution	=	

1.2 General

Even though operation is very simple, you should nonetheless read these instructions carefully and completely before starting, in order to prevent operating errors. These operating instructions apply to an electronic lock which is installed in a high-security container such as a safe. A tone will sound briefly to verify the entry each time a button is pressed. No more than 30 seconds may elapse between entries as otherwise all the information entered up to that point will be discarded.

2. Opening the electronic lock

Enter either the factory combination, pressing the **0 _ 1 2 3 4 5 6** buttons, or your own new master combination.



You may press the „C“ key to correct the entry. In this case you will have to repeat the entire entry sequence.

Correct entry is confirmed with a tone. The green LED will now blink and the electronic lock is cleared for opening for a period of 12 seconds. The door to the safe can now be unlocked using the keypad lever and the fingertip grip. The green LED will blink at a 3-second interval for as long as the electronic lock is open.



The keypad lever may not be under pressure before the acoustic and optical clearance signals are emitted. If the keypad lever is not used within 12 seconds to open the door, then the electronic lock will automatically be re-locked.

3. Closing the electronic lock

Close the door and turn the keypad lever back to the stop. The keypad lever will have to cover the red marking completely. The electronic lock is automatically locked in this position. Two signal tones of the same frequency will sound to indicate that the electronic lock has been locked; the green LED will light once.



In the interest of security, attempt to turn the handle to ensure that the container is properly closed.

4. Time-out following erroneous entries

Twelve signal tones will sound and the red LED will light if an invalid combination is entered. You now have three more tries to enter a valid combination. After the fourth consecutive invalid entry, however, the time-out period commences; the keypad will accept no entries during this 10-second period. This time-out period will be extended by 10 additional seconds following each subsequent invalid entry up to a maximum time-out period of 15 minutes. The time-out period cannot be interrupted with the „C“ button.

5. Correction with the „C“ button

If you press the „C“ button during the course of an entry sequence, then all digits previously entered will be canceled. Any programming mode which might have been commenced will also be terminated. You must initiate programming once again, from the beginning, by pressing the „*“ button.

Exception: Neither the time-out period following erroneous entries nor the low battery warning period can be interrupted with the „C“ button.

6. Battery monitoring, replacing the battery

If the battery charge is insufficient, then a high-low warning tone will sound 10 times after the combination is entered and the red and green LEDs will blink alternately. This is to remind you to install two new 1.5 volt (AA alkaline) batteries within the next few days.

Replacing the batteries: The battery compartment cover is located to the right of the keypad housing. Slide the battery compartment cover off the keypad housing, in the direction indicated by the arrow. See Figure 1.

Remove the old batteries and replace them with two new 1.5 volt AA (alkaline) batteries. The direction in which the batteries are to be installed is shown inside the battery compartment cover. The programmed combination will be retained during battery replacement.

7. Emergency opening

The electronic lock is also equipped with an emergency release feature (double-bit safety lock). This special function makes it possible to open the container even though the batteries were not changed in due time or if the electronics failed or the combination was lost. Furthermore, using the emergency key to unlock and open the door prepares the system for programming a new combination; see 8.2. The access to the emergency release lock is inside the battery compartment; behind the batteries; see Figure 1.

Store the emergency release key carefully in a secure place. Do not leave it in the safe!

Functioning:

Insert the supplied double-bit key in the emergency release lock. (The mark on the head of the key must point away from the hinge.)

Now turn the key clockwise, all the way to the stop; use the keypad lever to release the electronic lock and open the door.

Close the door to the safe. Move the keypad lever downward (red screw cover cap must be concealed by the keypad lever). Turn the key counterclockwise and withdraw it from the emergency release lock. Slide the battery compartment cover back on to the keypad housing and affix it with the Phillips screw.


8. Programming the electronic lock


Before you use your safe for the first time it is necessary, for security reasons, to enter your own personal combination; the factory combination must **not** be retained. Programming is possible only with the door open and with the electronic lock released. Select your new six-digit combination before starting the easy programming sequence. Do not use any personal data for this combination, such as birthdays or other information which could be derived from knowledge about your person. Store your combination in a safe place so that only you have access to it.

Programming modes


P - No. 0:	Programming and changing the master combination Programming a new master combination using the emergency opening lock
P - No. 1:	Programming, changing or deleting any of the 5 user combinations
P - No. 2:	Programming or deleting a combination interlock (duality principle)
P - No. 3:	Programming and deleting a timed delay period
P - No. 6:	Programming the time lock


8.1 Programming the master combination


 Possible only with the electronic lock open and only by using the master combination.

Function	Operation, button(s)	Response	Comments
Initiate programming	*	Green LED blinks once	 Please check to ensure that the lock functions correctly with the new master combination before closing the safe door.
Select P - No. 0	0		
Confirm the entry	*		
Enter previous 6-digit combination, e.g. °	1 2 3 4 5 6		
Confirm the entry	*		
Enter new 6-digit combination, e.g.	6 5 4 3 2 1		
Confirm the entry	*		
Enter new combination again to confirm	6 5 4 3 2 1		
Confirm the entry	*	OK = green LED blinks once and low-high tone sounds. Error = 12 high-pitched tones and red LED lights.	
Cancel	C		


8.1.1 Programming a new primary combination using the emergency opening lock



 Possible only with the electronic lock closed and the emergency opening lock released.

Function	Operation, button(s)	Response	Comments
Initiate programming	*	Green LED blinks once	 Please check to ensure that the lock functions correctly with the new master combination before closing the safe door.
Select P - No. 0	0		
Confirm the entry	*		
Enter new 6-digit combination, e.g.	6 5 4 3 2 1		
Confirm the entry	*		
Enter new combination again to confirm	6 5 4 3 2 1		
Confirm the entry	*	OK = green LED blinks once and low-high tone sounds. Error = 12 high-pitched tones and red LED lights.	
Cancel	C		

 If a new combination is not entered after opening the emergency release lock the previous combination will be retained after the lock is closed.

8.2 Programming a user combination


 A user combination can be set up for the first time only by the master combination owner. Changes to a user combination may be made with either the master combination or the particular user combination. Programming is possible only with the electronic lock open.

Function	Operation, button(s)	Response	Comments
Initiate programming	*	Green LED blinks once	 A maximum of 5 user combinations can be programmed ° 1 = UNo. 1 5 = UNo. 5  The previous user combination will be retained if there is an error in programming.
Select P - No. 1	1		
Confirm the entry	*		
Select user number e.g. 1 °	1		
Confirm the entry	*		
Enter the 6-digit master or user combination, e.g.	6 5 4 3 2 1		
Confirm the entry	*		
Enter the new 6-digit user combination, e.g.	4 5 6 7 8 9		
Confirm the entry	*		
Enter the new 6-digit user combination again to confirm	4 5 6 7 8 9		
Confirm the entry	*		
Cancel	C	OK = green LED blinks once and low-high tone sounds. Error = 12 high-pitched tones and red LED lights.	

8.2.1 Deleting a user combination




A user combination can be deleted only by master combination owner and only with the electronic lock open.

Function	Operation, button(s)	Response	Comments
Initiate programming	*		If fewer than 3 user combinations are programmed, then any combination interlock which may have been programmed previously will have to be deleted. See Section 8.5.2 ° 1 = UNo. 1 5 = UNo. 5  The previous user combination will be retained if there is an error in the deletion sequence.
Select P - No. 1	1		
Confirm the entry	*		
Select the user combination to be deleted, e.g. 2 °	2		
Confirm the entry	*		
Enter the 6-digit master combination	6 5 4 3 2 1		
Confirm the entry	*	Green LED blinks once	
Re-confirm the entry	*	OK = green LED blinks once and low-high tone sounds.	
Cancel	C	Error = 12 high-pitched tones and red LED lights.	

8.3 Programming a timed delay period



Possible only with the electronic lock open and only with the master combination.

Function	Operation, button(s)	Response	Comments
Initiate programming	*		 ° 0 1 = 1 minute to 5 9 = 59 minutes
Select P - No. 3	3		
Confirm the entry	*		
Enter 6-digit master combination, e.g.	6 5 4 3 2 1		
Confirm the entry	*	Green LED blinks once	
Enter timed delay period °. e.g. 1 minute	0 1		
Confirm the entry	*	OK = green LED blinks once and low-high tone sounds. Error = 12 high-pitched tones and red LED lights.	
Cancel	C		

Explanation: Timed delay period	=	Period between entering a combination the first time and the time at which the electronics clear the lock for entry of a combination the second time, to actually open the safe.
Release period	=	Period of time available, once the timed delay period has expired, to open the safe by entering a combination.
Timed delay period of 1 to 3 minutes	=	30 second release period
Timed delay period of 4 to 10 minutes	=	1 minute release period
Timed delay period of 11 to 59 minutes	=	2 minute release period

8.3.1 Opening the lock with the timed delay function activated

A timed delay period, once it has been programmed, is applicable to all combinations. Once a valid combination has been entered the green LED will blink at 5-second intervals during the timed delay period. During this delay period the electronics will not respond to any keypad entries. The end of this timed delay period is signaled by 15 signal tones; the green LED lights. The release period begins running and you can now open the electronic lock by **entering your combination again**.

If a combination interlock was programmed (see Sections 8.5 and 8.5.1), then only one combination need be entered during the release period.



If an invalid combination is entered or the „C“ button is pressed during the release period, then the entire opening procedure will have to be repeated. This means that, once a valid combination has been entered, the timed delay period will begin running anew.

8.3.2 Deactivating a timed delay period




Possible only with the electronic lock open and only with the master combination.

Function	Operation, button(s)	Response	Comments
Initiate programming	*		
Select P - No. 3	3		
Confirm the entry	*		
Enter 6-digit master combination, e.g.	6 5 4 3 2 1		
Confirm the entry	*	Green LED blinks once	
Entry	0 0		
Confirm the entry	*	OK = green LED blinks once and low-high tone sounds. Error = 12 high-pitched tones and red LED lights.	
Cancel	C		

8.4 Programming a time-lock period



Possible only with the electronic lock open and only with the master combination.

Function	Operation, button(s)	Response	Comments
Initiate programming	*		
Select P - No. 6	6		
Confirm the entry	*		
Enter 6-digit master combination, e.g.	6 5 4 3 2 1		
Confirm the entry	*	Green LED blinks once	
Enter the time-lock period, e.g. °	0 1		
Confirm the entry	*	OK = green LED blinks once and low-high tone sounds. Error = 12 high-pitched tones and red LED lights.	 ° 0 1 = 1 hour to 9 9 = 99 hours
Cancel	C		

8.4.1 Starting a time-lock period

The time-lock period will commence automatically, immediately after it has been programmed. During the time-lock period the red LED will blink every 30 seconds and the keypad will not respond to any entries at all.

Once the programmed time-lock period has elapsed the electronic lock can be opened using either the master combination or a user combination.

The time-lock period will run to completion once only after it has been entered. The electronic lock will then be released for opening until such time as a new time-lock period is programmed.

8.5 Activating a combination interlock (duality principle)



Possible only with the electronic lock open and only with the master combination.

At least two user combinations will have to have been programmed beforehand as otherwise an error signal will sound.

Function	Operation, button(s)	Response	Comments
Initiate programming	*		
Select P - No. 2	2		
Confirm the entry	*		
Enter 6-digit master combination, e.g.	6 5 4 3 2 1		
Confirm the entry	*	Green LED blinks once	
Activate combination interlock	1		
Confirm the entry	*	OK = green LED blinks once and low-high tone sounds. Error = 12 high-pitched tones and red LED lights.	
Cancel	C		



When the interlock feature is active it will be necessary to enter **two different combinations**, one after another, to open the electronic lock. Any two combinations may be used. It is not possible for the master combination owner **alone** to open the lock by entering the master combination twice; a second, user combination will have to be entered.

8.5.1 Opening the lock with the combination interlock feature activated (duality principle)




When user combinations are employed to open the lock it is necessary to enter two different user combinations, including the associated user number (see example below).



Once the first user combination has been entered a beep will sound every five seconds for a period of 60 seconds. If the second user combination is not entered within this 60-second limit, then the entry will be discarded and both user combinations will have to be entered again.

Example

Function	Operation, button(s)	Response	Comments
Enter first user number e.g. 1	1 °	OK = green LED blinks once and low-high tone sounds. Error = 3 high-pitched tones and red LED lights.	 Button 1 for UNo. 1 Button 2 for UNo. 2 etc. through to 5 button for UNo. 5
Enter first user combination e.g.	4 5 6 7 8 9		
Enter second user number e.g. 4	4 °		
Enter second user combination e.g.	6 4 3 9 8 5		
Cancel	C		

8.5.2 Deactivating the combination interlock function (duality principle)



Possible only with the electronic lock open and only with the master combination.

Function	Operation, button(s)	Response	Comments
Initiate programming	*	Green LED blinks once OK = green LED blinks once and low-high tone sounds. Error = 12 high-pitched tones and red LED lights.	
Select P - No. 2	2		
Confirm the entry	*		
Enter 6-digit master combination, e.g.	6 5 4 3 2 1		
Confirm the entry	*		
Entry	0		
Confirm the entry	*		
Cancel	C		


9. Triggering a silent alarm

To trigger a silent alarm, increase by 1 the final digit of your master or user combination.

Example:

Master or user combination	Master or user combination for silent alarm
1 2 3 4 5 6	1 2 3 4 5 7
1 2 3 4 5 9	1 2 3 4 5 0

Entering the combination:

Enter UNo. and the master or user combination for silent alarm	 ° Button 0 for UNo. 0 (master combination) Button 1 for UNo. 1 (user combination) Button 2 for UNo. 2 (user combination) etc. through to Button 5 for UNo. 5 (user combination)
0 ° 1 2 3 4 5 7	



Once a silent alarm has been activated, the lock will open in the same way as if the normal master combination or a user combination had been entered. This also applies to any programmed delay period or combination interlock.



We can assume no liability for malfunctions caused by erroneous resetting or by the application of force or by improper handling, nor for damages to property or assets which, for example, are due to not closing the safe properly.

We recommend obtaining appropriate insurance coverage to protect the contents of your safe. Your property insurance sales agent can provide details.

Our model 7201 to 7205 locks have been certified as Class 1 products by VdS (the Property Insurers' Association in Germany).

10. Troubleshooting

Problem	Possible cause	Remedy
No operating tone and the LED does not light.	Batteries dead or reversed during installation.	Replace the batteries or install them properly.
Keypad lever cannot be moved even though a valid combination has been entered correctly.	Batteries are too weak to release the electronic lock.	Replace the batteries.
Green LED blinks at 5 second intervals; the electronics do not respond to any keypad entries.	A timed delay period has been inadvertently entered.	See notes at Sections 7.3 and 8.3.1.
The red LED blinks every 30 seconds; the electronics do not respond to any keypad entries.	A time-lock period has been inadvertently entered.	See Sections 8.4 and 8.4.1.
12 signal tones, red LED lights	Master or user combination entered incorrectly.	Verify master or user combination.
10 high-low warning tones; red and green LEDs blink alternately.	Insufficient battery charge.	Replace the batteries.

If it is not possible to open your safe in spite of having carried out the instructions above, then please contact the safe manufacturer.