

Note:

The cover sheet provides warning information, and an explanation of the symbols and terms used, together with our disclaimer.

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General

Depending on the set-up, opening the lock can be subject to additional restrictions. A combination of these restrictions is also possible:

1. **Time delay** → The lock can only be opened once a defined time delay has ended (with the exception of user 9).
2. **Dual code** → The lock can only be opened with two valid user codes. (also the “four eyes” principle)

Code length / silent alarm

Normally each user code is 6 digits in length (0-9). If a silent alarm has been configured, the number of code digits increases to 7. The 7th code digit is therefore shown in grey in the following description.

Battery

The lock is powered by a 9 V block battery (alkaline-manganese).

A warning signal is emitted once the code has been entered if the battery charge is too low. A warning tone is repeated several times with an alternately flashing red LED.

In this case, change the battery as soon as possible. The programmed codes are retained while the battery is changed.

Interfaces

As supplied, only the interface for analogue input units of the

Anchor/Primor series is enabled. Other interfaces need to be set via the Setup menu.

Dual code + time delay

When the dual code is enabled, the lock is opened in accordance with the opening process described once the time delay has elapsed.

Only “user 9” can open the lock themselves when a dual code requirement is enabled (“four eyes” principle)

during the time delay. A dual code requirement means that user 9 alone cannot start the time delay.

An invalid code input entered during the release time cancels the operation and the time delay needs to be restarted.

Entry of a valid code during the opening time delay is acknowledged positively but has no effect in itself.

An opening time delay that has been started can be stopped by pressing any key.

Penalty time

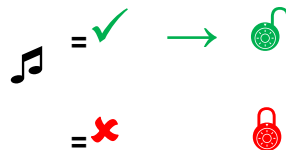
there is a 5-minute penalty time once 4 invalid codes have been entered. A penalty time is then reimposed after two further incorrect entries until a valid code has been entered.

Overview of user rights

	Factory code	Open	Start time delay	Quick opening code	Create user	Change code	Delete user	Trigger operating lock	Check system	System set-up	Overview of users	Set time delay
Master 0	123456(0)	●	●		●	●	●	●	●	●	●	●
User 1...8	-	●	●			●			●			
User 9	-	●		●		●			●			

Opening

e.g. master factory code



The lock releases the bolt movement for approximately 3 seconds after entering a valid code. Open the safe within this time frame after entering the code.

After four consecutive incorrect code entries, a 5-minute lockout is activated. With each additional pair of consecutive incorrect entries, the lockout time is extended by another 5 minutes until a valid code is entered.

Opening with a dual code

e.g. user 3 with code 0303030 starts by entering their code

0 3 0 3 0 3 0

♫ = ✓

= ✗

The “four eyes” principle, here user 5 with code 0505050, triggers the opening of the lock

0 5 0 5 0 5 0

♫ = ✓ →



= ✗ →



If the code is entered incorrectly or if more than 30 seconds elapse between entry of the two codes then the code entry is cancelled with a long signal tone.

Opening with active time delay

Start by entering the code

0 3 0 3 0 3 0

♫ = ✓ →



= ✗

♫ ...2 sec... ♫ ...2 sec... ♫ ...2 sec...



♫ ...1 sec... ♫ ...1 sec... ♫ ...1 sec...



Enter the opening code

0 3 0 3 0 3 0

♫ = ✓ →



= ✗ →



The time delay is initiated by entering a valid opening code. By re-entering a valid user code (which does not have to be identical to the starting code) within the opening time window, the lock can then be opened. User 9 cannot initiate the delay but can open it before the delay time expires.

Triggering a silent alarm

e.g. opening code 1234567, alarm addend 2

Start by entering the code



The last code digit is changed in each case if the “silent alarm” is enabled. The calculation is done on the basis of the last digit + alarm addend. If a number is carried over then the units are evaluated:
e.g. code digit 9 + alarm addend 2 = 11, hence the last number is = 1

Closing

After the safe has been opened and the desired access granted, the safe door must be properly closed and locked. A closure check must be performed.

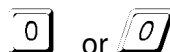
Menu functions

Using the keys on the keypad, you can specifically access various function menus and make desired settings. Selecting these menus is a crucial step in customizing the lock's functionality to meet individual requirements. In these menus, important parameters such as user codes, opening delays, alarm settings, and much more are defined.

If a rejection occurs at the end of a menu selection (indicated by a long beep), the process is cancelled, and the menu function is exited.

When dual code is enabled, a valid user code must be entered **before** a menu can be opened. Only then can a menu be selected.

The buttons to be pressed are shown as symbols. Italics indicates that the relevant key should be pressed and held down, i.e. the key should be pressed until the signal tone is heard.



0 Changing the code

e.g. change 1234560 to 1111111

   **Change code menu**

Enter code, e.g.

        = 

Enter the new code

        = 

Confirm the new code

        = 

Code was changed successfully

Both the user codes and the master code can be changed using the Change function.

0 Changing the master code

Only valid for the **Anchor 7000**:

With the Anchor 7000, the code change function can be used with the emergency key to reset the master code.

For instance, to reset to 1234560

Use the key to open the lock. When open, perform the “Change code” menu function.



Change code menu

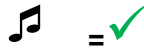
Reset the master code with
a rudimentary code

0 0 0 0 0 0 0



Enter the new master code

1 2 3 4 5 6 0



Confirm the new master
code

1 2 3 4 5 6 0



Use the emergency opening
key to lock the lock

The emergency opening key is at the top of the authorisation hierarchy.

This means that it has priority over the master code.

It is thus possible to reset a forgotten master code to a known value using the emergency opening key without knowing a code.

The code entered can now be used as the master code.

The previous master code is now invalid.

The master code has been successfully reset

As a direct consequence, the code 0000000 cannot be used as the master code.

1 Creating a user

e.g. create user no. 3

1



Create user menu

Enter the master code

1 2 3 4 5 6 0



= ✓

Number of the user to be created

3



= ✓

Enter user code, e.g.

0 3 0 3 0 3 0



= ✓

Confirm user code

0 3 0 3 0 3 0



= ✓

A new user code is only accepted if the code differs by one digit from an existing code at two places. If an opening delay has been programmed, user 9 for the immediate opening code can only be created during the opening release time.

This of course only applies if this has not been created before the time delay was enabled.

2 Operation blocking

2



Operation blocking menu

Enter the master code

1 2 3 4 5 6 0



= ✓

All users are enabled / disabled

The user lockout is a security feature that temporarily prevents the regular use of the lock.

With this function, all users are either locked out or released. All codes remain unchanged.

3 Deleting a user

With active dual code, the user who initiated menu access with a code entry cannot be deleted.

When opening delay is activated, users 1 to 8 can be deleted, but not user 9. The functionality allowing user 9 to open the lock even with the opening delay activated is preserved.

e.g.delete user no. 2

   **Delete user menu**

Enter the master code

         = 

Number of the user to be deleted

  = 

The master can delete a user. It is not possible to delete the master.

5 Checking key function

   **Check key function menu**

Press the keys in the sequence

   ...    = 

Press each numeric key once. A functional key is indicated by a double signal tone. A key that is not recognised is indicated by a long signal tone and the functional test is cancelled.
The system must be checked.

6 System set-up

Anchor series locks have an additional interface that can be used for serial communication [UART] or to connect to a signal box (e.g. from the Primor series) [IO] in addition to the connection for an analogue keypad. The operating mode must be set correspondingly before use.

6-1-1 UART mode change, serial communication

Switch off UART to use IO

   **System set-up menu**

Enter the master code

         = 

Mode change sub-menu

  = 

IO mode

  = 

Enter the master code

         = 

IO mode

  = 

As switching the operating mode can also have a major impact on the function of the input unit, the general sequence for the menu function has been consciously modified.

This should make it more difficult to switch mode accidentally.

6-1-2 Switching off analogue keypad

   **System set-up menu**

Enter the master code

         = 

Mode change sub-menu

  = 

UART-only mode

  = 

Enter the master code

         = 

UART-only mode

  = 

!!! Warning!!!

Once the analogue keypad has been switched off, it can only be reactivated via the serial interface!

As switching the operating mode can also have a major impact on the function of the input unit, the general sequence for the menu function has been consciously modified.

This should make it more difficult to switch mode accidentally.

6-1-3 Enabling the analogue keypad and UART

System set-up menu

Enter the master code

 = 

Mode change sub-menu



 = 

Analogue + UART mode



 = 

Enter the master code

 = 

Analogue + UART mode



 = 

As switching the operating mode can also have a major impact on the function of the input unit, the general sequence for the menu function has been consciously modified.

This should make it more difficult to switch mode accidentally.

6-2 Configuration of the silent alarm

Activation of the “silent alarm function” increases the number of code digits required from 6 to 7 (requirement for VdS code differentiation).

If users have already been created, the last place is automatically filled with 0. The user codes should therefore be changed subsequently!

The function of user 9 cannot be combined with the silent alarm.

Set the alarm addend, e.g. the last code digit + 3

   **System set-up menu**

Enter the master code

  = 

“Silent alarm” sub-menu

  = 

Alarm addend

  = 

Switching logic 1=high,

0=low

 or   = 

The “silent alarm function” is disabled by input of the number 0 as the alarm addend.

The idle state of the switching contact is defined by the switching logic.

high = relay switches on briefly if there is an alarm

low = relay switched to idle state. In the event of an alarm, it is switched off briefly

The internal wiring of the signal box inverts the relay switching logic in conjunction with the Gator Signal Box. This means that the alarm relay is permanently enabled with switching logic 1 and briefly switched off in the event of an alarm.

6-3 Enabling / disabling remote blocking

Utilizing external signals for system locking enables remote control of the system without the need for physical access to the system itself. This function should only be activated when an alarm system or signal box is connected because otherwise, there is a risk of a system lock that cannot be deactivated without external wiring.

Enabling the lock by an external signal

System set-up menu

Enter the master code

        = 

System lock sub-menu

  = 

enable=1, disable=0

 or   = 

Switching logic 1=high,
0=low

 or   = 

The basic setting is “disabled” once the IOs have been enabled

The idle state of the control input is defined by the switching logic:
high = the system is locked if a signal is present.
low = the system is locked and must be released by a signal.

The internal wiring of the signal box inverts the relay switching logic in conjunction with the Gator Signal Box. This means that the system is released when there is a signal present with switching logic 1.

6-4 Disabling/enabling dual code

Enabling / disabling the dual code

System set-up menu

Enter the master code

        = 

Dual code sub-menu

  = 

enable=1, disable=0

 or   = 

The dual code is only enabled once at least one second user has been created.

A valid opening code must be entered before the Start menu to disable the function.

6-5 Battery warning threshold

Changing the battery warning threshold to 5.67 V etc.

System set-up menu

Enter the master code

         = 

Battery warning sub-menu

  = 

Threshold value in mV

     = 

The lock system can be adapted to different types of battery by parametrising the warning threshold.

The pre-set value is 5 V. The warning threshold can be set at between 5000 mV and 8000 mV.

6-6 Automatic locking configuration

This function is only available for the motorised lock Anchor 7000!

The time after a motorised opening after which the lock is automatically relocked can be parametrised.

Configuration of the relocking time to 5 seconds etc.

System set-up menu

Enter the master code

         = 

Relocking time configuration sub-menu

  = 

Relocking time in seconds

    = 

The time until automatic locking can be set at between 1 and 127 seconds.

Note:

The input time always needs to be three digits.

7 Overview of users

Overview of users menu

Enter the master code

 = 

User number to be checked

,,...

 = free

 =
assigned

End the query

 = 

This function gives an overview of the number of free and assigned users.

It is possible to selectively check whether one or more specific users have already been created.

9 Setting the time delay

e.g. 10 min time delay with an opening window of 5 minutes

Time delay menu

Enter the master code

 = 

Set the time delay

 = 

Release time

 = 

Confirm the time delay

 = 

Confirm the release time

 = 

The opening time delay can be increased at any time. The opening time delay can only be reduced and the time delay disabled during the release time.

To disable the time delay, set the time delay to 00 and the release time to 01.

Range of values:

Time delay 01 to 99 min.

Release time 01 to 19 min.