Anchor 2600
Installer manual
Installation and commissioning instructions

Note:

On the cover sheet you can find warning information, and an explanation of the symbols and terms used, together with the exclusion of liability.

Mount the keypad before installing the electronic lock. All the keypads of the Primor series with direct drive can be used (RO, RE). The function is generally given with all input units of the Primor series, an additional handle for the drive of the bolt is needed, depending on which keyboard was chosen. Details on installing the keypads are given in the installation instructions (see sections “en_02 en_APxxx-Teil 2a-Errichterhandbuch Tastatur V2.05”).

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General

Locks of the Anchor 2600 series have standard installation dimensions and can be mounted in all 4 installation positions (right, left, top, bottom). They have been designed for a boltwork with two blocking edges, i.e. for the force to be applied only on only the flank of the bolt.

They are intended to be installed in safes made of metal.

Depending on the design, additional blocking elements (e.g. bolt rails) can optionally be attached to the lock bolt using existing holes. A perfect function of the lock and its connection must be ensured.

The electronic lock requires no maintenance in a normal residential or office environment. We recommend a security and function test of the electronic lock after around 10,000 closings.

The breakthrough for the axis must not exceed 11.4mm.

The lock must be protected against attacks from outside. It is recommended to protect the security-relevant parts of the high-security lock against access even when the door of the safe is open.

Do not apply any lubricants or other substances to the lock.

Ensure that the load limits are not exceeded at any time.

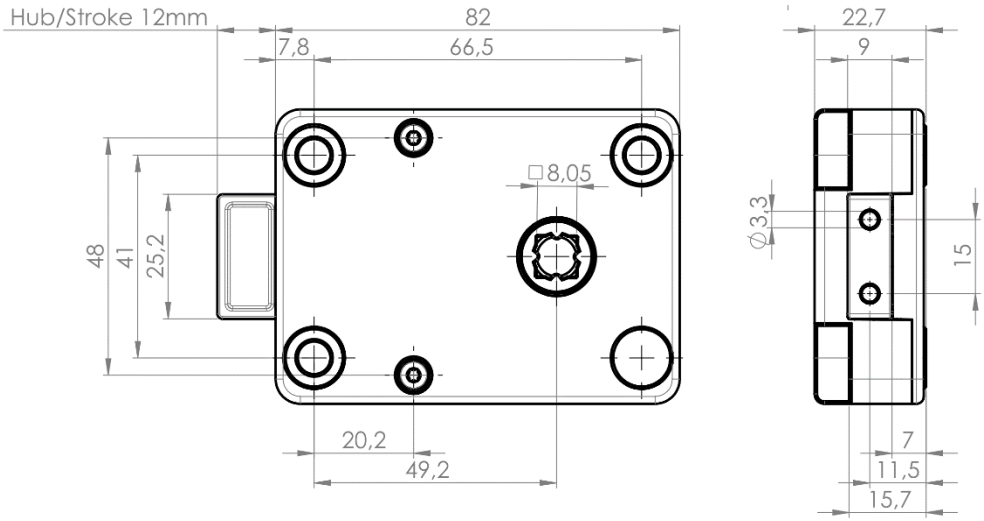
You can find the corresponding values in Annex C "Technical data".

Always use the following sequence for installation:

- Check the preconditions for installation
- Wiring / installation of the cables
- Set up the power supply
- Function test of the locking mechanism
- Make all the settings (user system, Dualcode, inputs and outputs, delay time)

Preparation for installation

Installation dimensions A2600



Preparation of the boltwork / door

For mounting the lock there must be three threaded holes for attachment to the boltwork or within the safe door. The electronic lock is to be attached with the supplied M6 or 1/4" screws or cylinder screws (minimum strength class 8.8).

The length of the screws must be 25 mm or more so that a minimum screw-in depth of 5 mm is attained.

Installation

The fastening screws must be tightened so that a permanent and firm hold is guaranteed.

Tighten up the fastening screws to a maximum torque of 3,5 – 5 Nm. We recommend the use of a bolt locking agent (adhesive) to prevent the screws from coming undone by themselves.

The bolt of the lock may not be under tension or pressure after installation.

Pay attention to enough free space to the blocking point.

Wiring / installation

If the lock is operated outside the area of validity of the VdS, then signal boxes, external power supplies, etc. can be used with the Anchor in addition to all the analog keypads that are compatible with the Primor series.

The VdS approval is restricted to operation with input units of the Primor FS, FL, RO, RE and Anchor LC series.

If the wiring is not guided by the drive axis, the required hole / way of wiring must be selected in such a way that this gives no access to the lock body through tools, probes or similar.

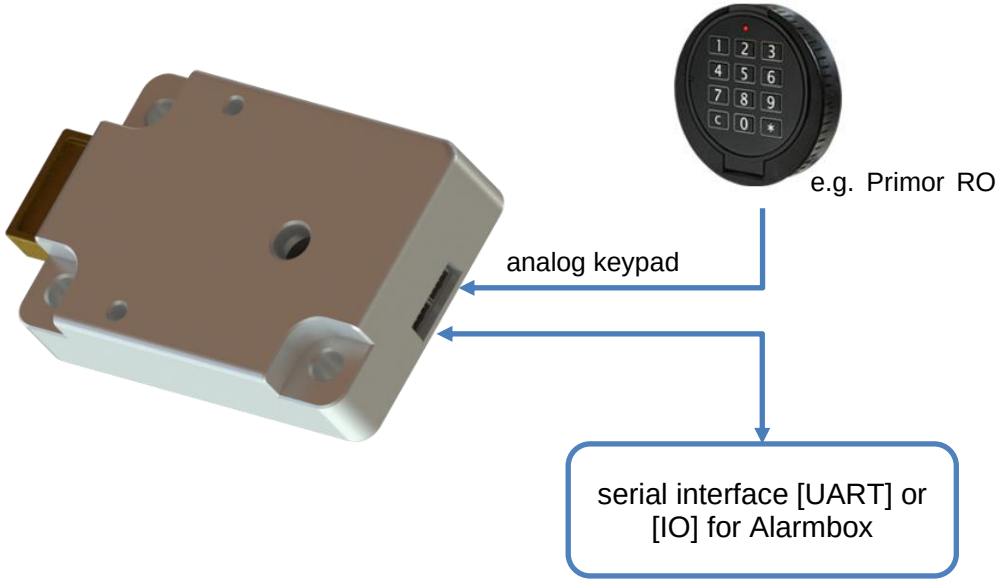
Drilling for the wiring must be at least 8mm, a maximum of 11.4mm.

For all work / changes to the wiring between the lock, keypad or signal boxes, the power supply including the battery must be disconnected!

Connection of an analog keypad

As supplied, only the interface for an analog keypad from the Primor series is active. If the lock is to communicate with a digital input unit, i.e., an "intelligent" one, then additional settings are required in the setup menu [6] in addition to the selection of the corresponding interface or socket.

You can find the corresponding commands in the user manual.
You can find information on inserting the battery in the operating manual of the corresponding Primor keypad.



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Connection P- signal plus / UART

Connection via the second port (see above) is always done if

- the lock system has an external power supply,
- a "silent alarm" contact for evaluation by an alarm system has been made available,
- a system block by an external signal (dry contact) is to be used.

Additional hardware is required to do this.

The lock is compatible with all the available components of the Primor series.
You can find information on the wiring in the instructions for the signal box. The VdS approval is no longer valid when used in conjunction with a signal box or if the serial interface (UART) is not used correctly.

If a signal block with "active release" (switching logic) has been set up this ensures that the blocking is not switched off if the control cable is cut through. At the same, a cable breakage within the safe always thus entails the risk of a blockade.

Function test

Carry out a function test after completing all the mounting and installation work. With the door open, you should open and close the lock several times using the master code that had been set at the factory.

The opening takes place after the release by turning the keyboard (RO) or the operating lever (RE):

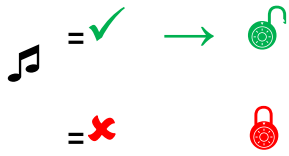
Using the handle for the boltwork the safe should be opened easily and reliably closed again.

The locking check can be done via the operating lever of the boltwork and should be performed after each closing and locking.

Input of the opening code

e.g. factory code Master

1 2 3 4 5 6



The opening code can be input directly as described above, without selection. After a valid code is input the lock releases the bolt movement for around 3 seconds. Open the container with the valuables within this time after inputting the code.

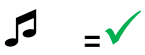
Keypad test

We recommend a final keypad test using function menu 5 to ensure that all the numeric keys function properly.

5 **Checking the menu system**

Press the keys in the sequence

1 2 3 . . . 9 0



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 function test is terminated. The system must be checked.

System setup

The setting options and the control sequences that are required are described in the user manual.

We therefore recommend the following procedure:

- Setup of the users [menu 1]
- if applicable, parameterisation of the inputs and outputs [menu 6]
- if applicable, setting up the Dualcode condition [menu 6]
- if applicable, setting up the delay time [menu 9]

In particular, the user system can be made markedly faster by using setup mode [menu 8].

The repetitive input of the master code is then restricted to selecting setup mode.