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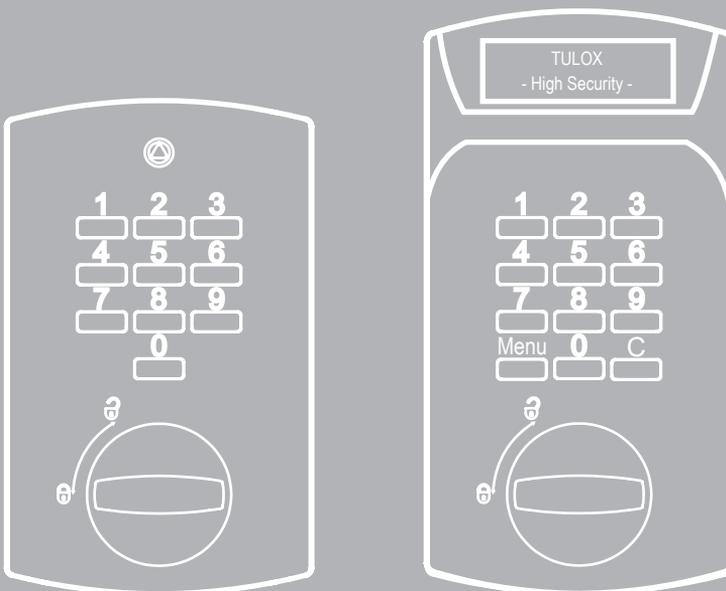
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TULOX 100 / 200

Installation Manual

Vers. 6.00



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Kundendienst



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Application

 Products are designed for highest demands and maximum reliability. Application and installation recommendations and our comprehensive consulting service provide support for the choice of our products.

 High security locks of the 4.17.10 series are intended for use on doors of secure storage units. Responsibility for verification and suitability for the respective application resides with the user!

Changes to the products lead to the loss of the VdS* approval and any guarantee and warranty claims.

Basics:

The precise position and mounting of the locking mechanism play a major role in the correct functioning of the lock. The locking mechanism must be aligned precisely in both horizontal and vertical position.

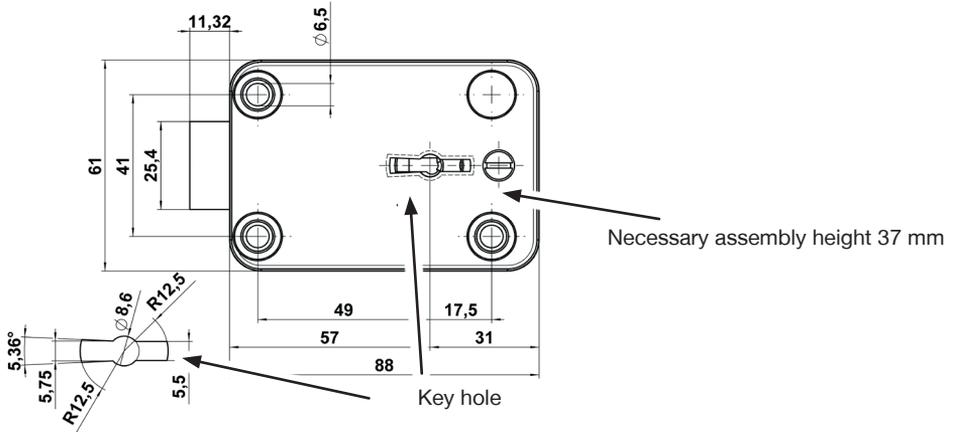
The lock must be attached with three cylinder head screws M6 or BSW ¼". The length of engagement of the screw must comply with valid standards. It must be ensured that the fixing is secured against unintended loosening. Vibration or concussion must not lead to a loosening of the fastening.

The lock may only be installed on the right and in load position (vertical bolt position). Other installation positions may lead to closing problems.

When installing the lock in secure storage units attention must be paid to adequate protection against forcible external attacks. The key hole of the secure storage unit door and the armouring may not exceed the shown key hole dimensions (Figure 1).

*VdS: German independent testing institution

Figure 1



The ease of movement of the bolt in locking mode must be guaranteed. When using bars, angles or similar blocking elements attached to the bolt, transverse forces, resp. friction on the lock bolt must be avoided through construction measures. The lock has been tested with an actuating force of 2.5 N.

The locking force in actuating direction and transverse to the bolt has been tested with 1 kN. Higher locking forces must be compensated e.g. by supporting the bolt.

Installation procedure

Version 1

If you wish to route the cable through a separate drill hole into the inside of the secure storage unit, you need to determine a suitable drilling position which corresponds with the VdS guidelines.

Pay careful attention that the drill hole is not positioned in the proximity of the lock situated behind it and that the drill hole is later covered by the keypad.

It must be ensured that the connecting cable is not crimped during installation and the insulation is not damaged (Figure 2).

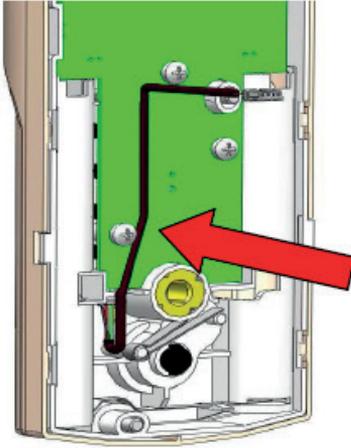


Figure 2

Pay attention that the cable is positioned around the screw head and cannot be jammed.

The locking direction of the lock can be adjusted to the required installation situation. The spring and the cogwheel must be removed from the base plate for this purpose. The cogwheel can now be turned in the desired position in 90° steps and both parts can then be re-assembled (Figure 3).

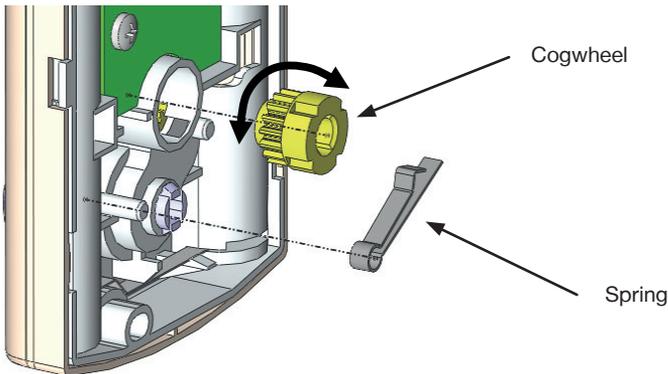


Figure 3

1. Screw the lock on tightly with 3 cylinder head screws M6 x 35 mm or BSW ¼" x 35 mm. Consider the female thread of the bolt work. The insertion of the screws must be without force.
2. Lead the cable through the drill hole you have prepared in the secure storage unit door and plug the cable connector on the rear side of the lock case into the provided jack.
3. Insert the axis through the key hole into the lock case.
4. Mark the axis for shortening approx. 9 to 10 mm in front of the external surface of the secure storage unit door.
5. Pull the axis out of the lock, shorten it at the marked point and then re-insert it in the lock case.
6. Plug the keypad's base plate onto the axis and align it vertically.
7. Mark the drilling position for the fastening screws.
8. Completely remove the base plate again and drill the fastening holes with a spiral drill Ø 3.5 mm. Pay careful attention that the base plate is not contaminated with bore chips.
9. Replace the base plate. Pull the spare cable length into the inside of the unit. Attach the base plate with the enclosed cylinder head screws. The wall of the base plate must not deform during this process.
10. Insert the batteries (4 x 1.5V, AA, LR6) paying attention to the terminal direction and place the cover on the base plate.
11. Check the proper function in accordance with the Operating Instructions with the door open.

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Version 2

If you wish to lead the cable through the axis, please follow the sequence described below.

1. Screw the lock on tightly with 3 cylinder head screws M6 x 35 mm or BSW ¼" x 35 mm. Consider the female thread of the bolt work. The insertion of the screws must be without force.
2. Insert the axis through the key hole into the lock case.
3. Mark the axis for shortening approx. 9 to 10 mm in front of the external surface of the secure storage unit door.
4. Pull the axis out of the lock and shorten it at the marked point.
5. Thread the cable into the axis (Figure 4).

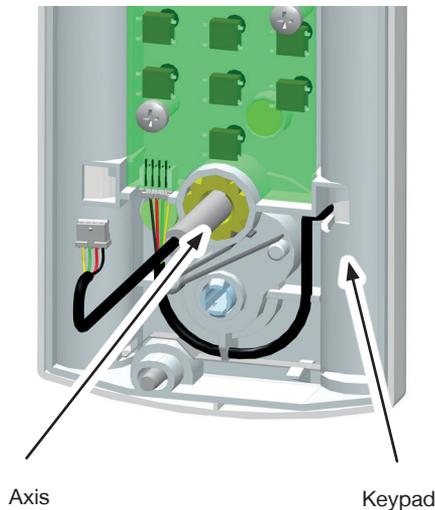
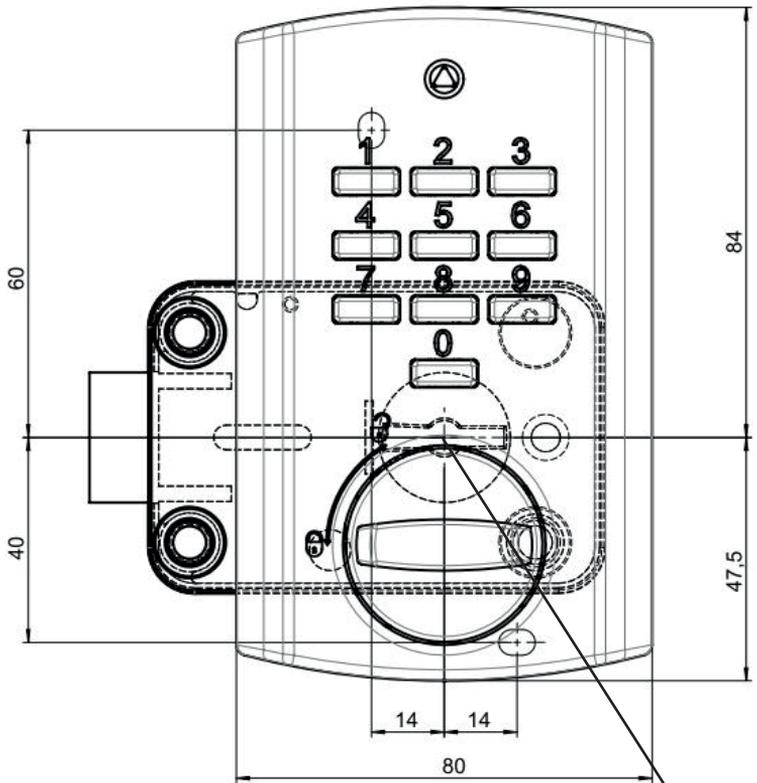


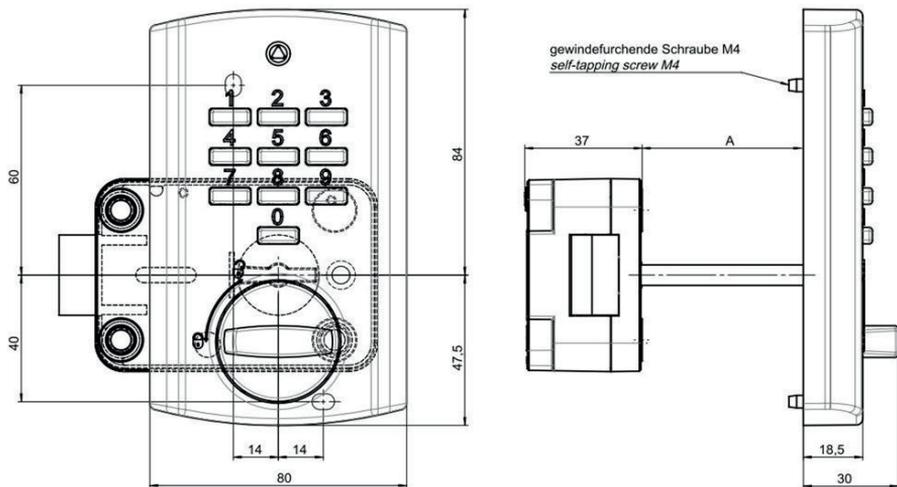
Figure 4

6. Slide the axis and the cable through the secure storage unit door into the lock case.
7. Pull out the cable on the rear side of the lock case until the base plate lies on the secure storage unit door. You need to insert the axis into the base plate to do this.

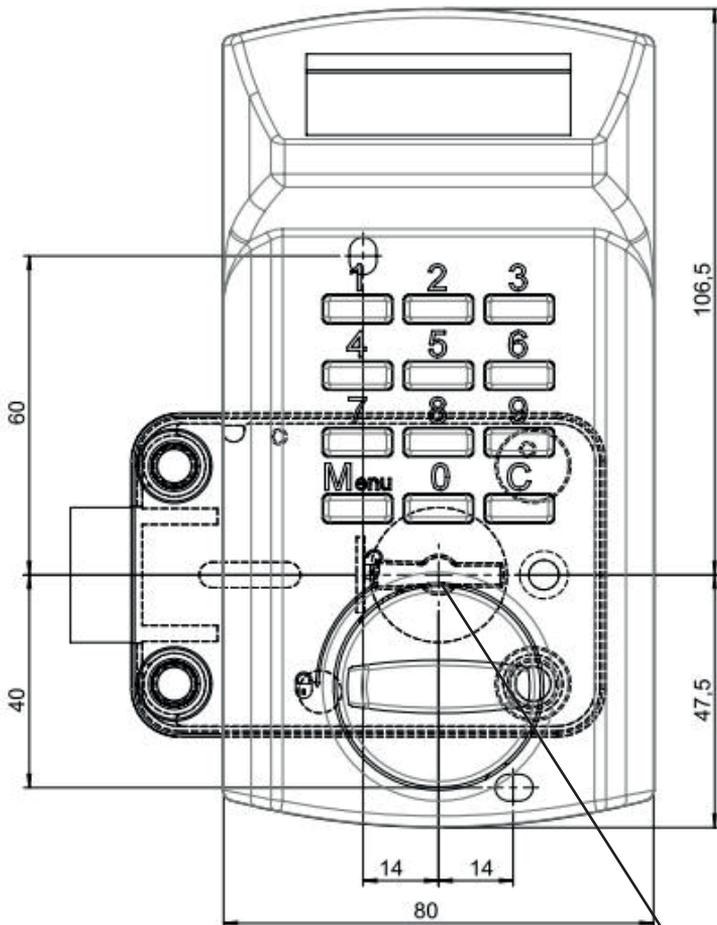
8. Align the base plate vertically and mark the drilling position for the fastening screws.
9. Completely remove the base plate again and drill the fastening holes with a spiral drill \varnothing 3.5 mm. Pay careful attention that the base plate is not contaminated with bore chips.
10. Replace the base plate. Pull the spare cable length into the inside of the unit. Attach the base plate with the enclosed cylinder head screws. The wall of the base plate must not deform during this process.
11. Plug the cable connector on the rear side of the lock case into the provided jack.
12. Insert the batteries (4 x 1.5V, AA, LR6) paying attention to the terminal direction and replace the cover.
13. Check the proper function in accordance with the user manual with the door open.



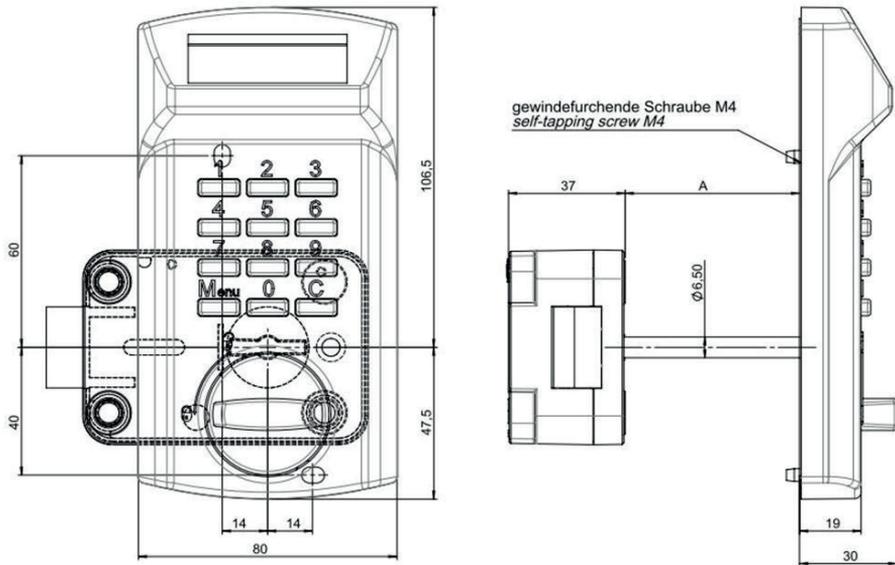
Mittelpunkt Achse = Mittelpunkt Schlüsselloch
axis centre = keyhole centre



A = Abstand Schlosdecke bis Außenwand Tresor + 44mm
A = Distance lock cover to outside wall of safe + 44 mm



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