



SMARTLOCK
DIGITAL



AXESSOR

Installation instruction



SMARTLOCK
DIGITAL

Australia

1300 360 708

SALES@SMARTLOCK.COM.AU
WWW.SMARTLOCK.COM.AU

New Zealand

+64 (0) 9 368 4802

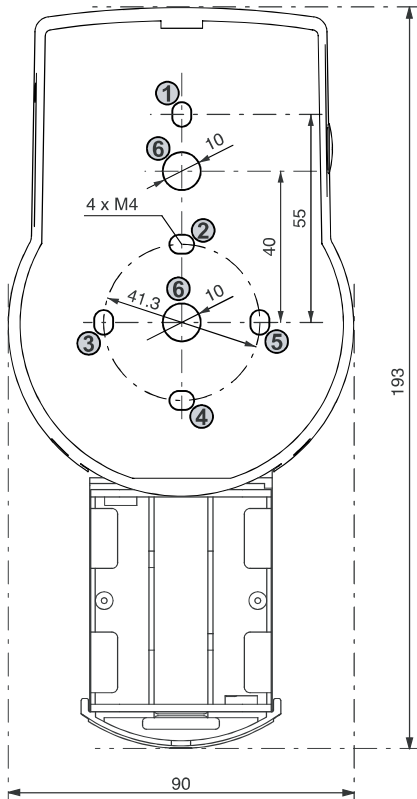
SALES@SMARTLOCK.CO.NZ
WWW.SMARTLOCK.CO.NZ



Installing the Input Unit

Mounting the base plate

1. Mark either the fixation bores 3 and 5 or 2 and 4 plus bore 1 (recommended). Also mark one of the two bores 6 (cable lead-through)



2. Drill the 3 fixation bores $\text{Ø}3.2 \times 14 \text{ mm}$ and the cable lead-through bore $\text{Ø}10 \text{ mm}$. Remove burrs. Tap M4 threads into the 3 fixation bores.
3. Remove the 3 screws on the bottom of the cover (1 at the battery compartment, 2 at the housing). Lift-off the cover from the base plate, then carefully remove the battery compartment.

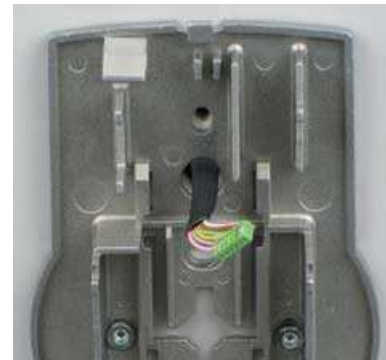


4. Fix the base plate with the enclosed special M4x12 flat-head screws to the door. The Input unit must be fixed to the door with at least two oppositely positioned screws. The third screw (pos. 1) is recommended.



Connecting the cables

5. Carefully lead the enclosed connection cable through the $\text{Ø}10 \text{ mm}$ bore in the door and carefully draw it towards the lock chamber.



6. Mount battery compartment in place. Then, carefully lead the battery cable through strain relief guides of the battery compartment and the base plate.
Make sure not to squeeze the cable!

Finally check for free movability of the battery compartment. **Make sure the spiral cable lays flat when moving the battery compartment (i.e. the cable does not move in other directions when extended and compressed).**





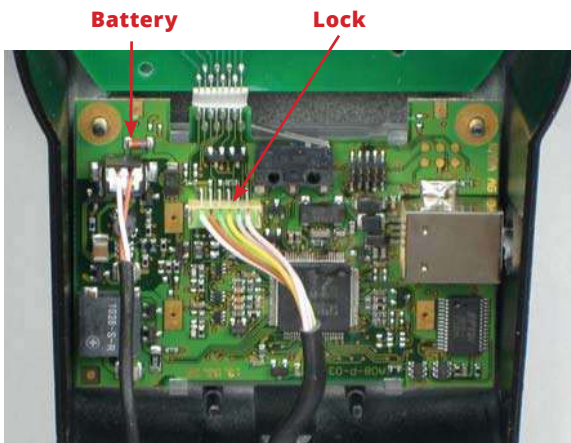
Connecting the cables

- 7. Position the cover on top of the base plate in an angle >90°.



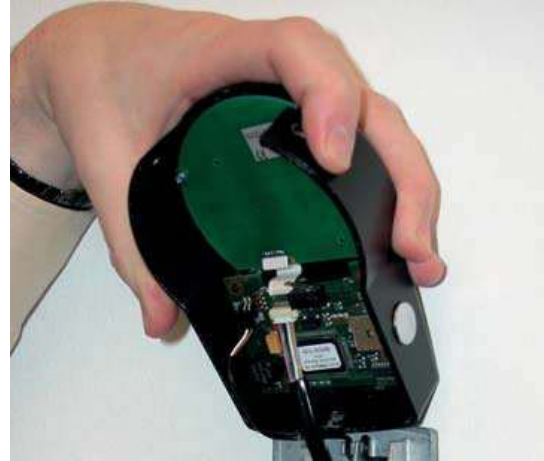
- 8. Plug the battery cable into the 2 pole connector terminal and the connection cable into the 6 pole connector terminal.

Check correct position of the plugs before connecting them. Do not use excessive force to plug-in, but make sure that proper connection is given.



Mounting the cover

- 9. Engage the cover at notch on top of base plate.



- 10. Slowly flip down the cover onto the base plate while carefully pulling the connection cable towards the lock chamber; leave some spare loop. **Make sure that cables are not squeezed.** Check battery compartment for free movability: carefully push the battery compartment into place, then slide it out again.



- 11. Fix the cover on the base plate using two M3x6 countersink screws.



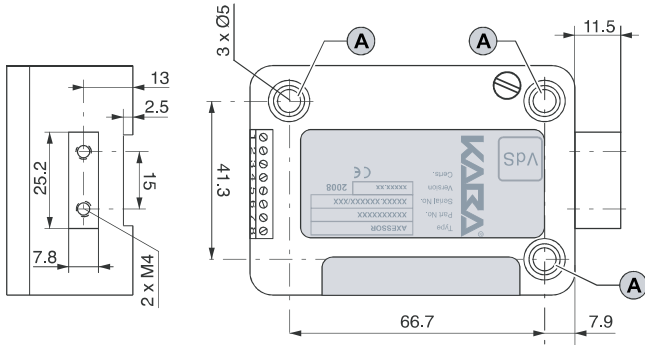
- 12. Check battery compartment for proper movability: carefully push the battery compartment into place, then slide it out again.

Do not insert the batteries and do not fix the battery compartment screw yet.



Mounting the lock

- 1. Mark the 3 fixation bores (A) according to the illustration below.



- 2. Drill the bores Ø5mm. Remove the burrs and tap M6 threads into the bores.
- 3. Mount the lock with the 3 enclosed M6x10 screws (equivalent 1/4 inch screws may be used instead).

Make sure that the screw heads rest on the base of the shouldered bore! Make sure to keep the space underneath the lock free for a relocker system or the connection cable!

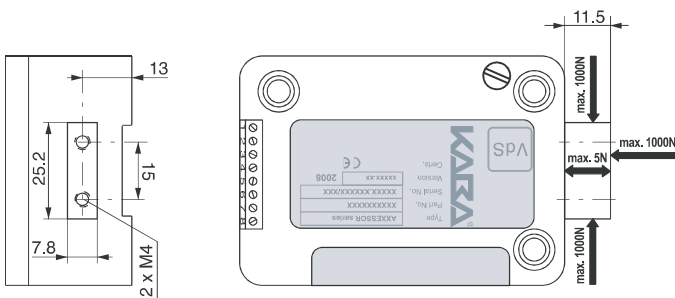
- 4. If the lock is to be operated in spring bolt function, remove the retainer screw (B) underneath the VdS label.

Be aware, that this operating mode voids VdS approval!



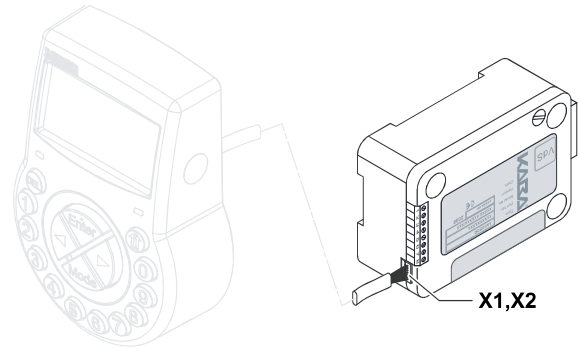
- 5. If needed, use the two M4 threads at the front end of the lock bolt to attach an extension.

Observe the maximum moving force of SN in both directions.



Connecting the cable

- 6. Verify correct position of the connector, then carefully plug connection cable into one of the lock sockets „X1“ or „X2“.



- 7. Secure the cable with the cable tie and carefully fix any excess cable.

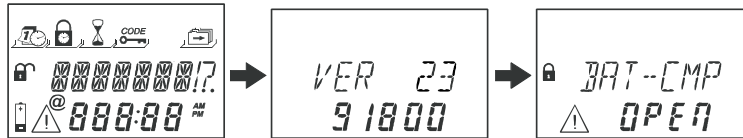




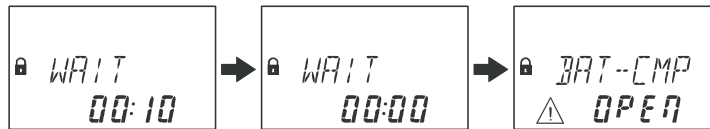
Perform wiring check after lock installation

Requirement : To perform wiring check the door must be open.

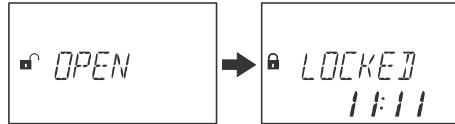
- Carefully slide out the battery compartment until it comes to a stop.
- Insert the 3 enclosed batteries (3x AA mignon, Alkaline type) according to the markings in receptacles - observe polarity! As soon as the batteries are inserted a test routine is initiated. The following displays appear successively (version display may vary) and the „BEEP signal“ sounds:



- Close battery compartment. Wait until the error message „BAT-CMP OPEN“ reappears again.



- Confirm the error message by entering the current Master Code (default: 00123456) with the <NUMERIC> keys, then press the <ENTER> key. The lock opens and closes again after approx. 6 seconds.



- Fix battery compartment with hexagon countersink screw.



Important!

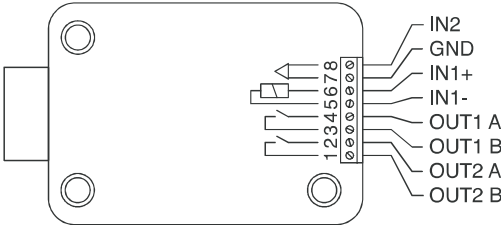
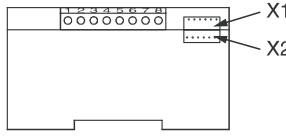
If during wiring test the error message „LINE OFF“ continuously appears, the connection cable is either connected incorrectly or it was damaged during installation. Do not continue installation and proceed as follows:

- Check connection cable for correct connection or damage. Disconnect connection cable and replace if necessary.
- Reconnect connection cable as described in sections > Installing the Input Unit on page 20 and Installing the lock on page 25.
- Check whether new batteries were inserted. If not, insert new batteries.



External connections at the lock

If desired, connect additional external signals at the lock terminal block. Refer to the table and the wiring examples below.

Terminal	Description	Capacity / Remarks
 <p>Note: Function and polarity of the Inputs and Outputs can be changed with optional AS284-USBW or AS284-NETW Programming Software.</p>		
1 / 2	Output 2 standard: bolt or motor open	30 VDC/2A, 50 VAC/0.5A with resistive load. Relay with potential-free working contacts (NO - normally open).
3 / 4	Output 1 standard: Duress alarm	
5(-) / 6(+)	Input 1 standard: not assigned optional: remote disabling, or controlled disabling	12 VDC (min. 20mA)
7 / 8	Input 2 standard: not assigned optional: Programmable with AS284-USBW or AS284-NETW Programming Software	Do not apply any voltage – potential free contact only! Recommendation: Suitable micro switch with gold-plated contacts for 12 VDC/50mA (e.g. „DB series“ by Cherry).
Socket	Description	Capacity / Remarks
		
X1, X2	Connection to input unit or to eBox or Connection of power supply	Enclosed connection cable must be used. Use only the original Axessor power supply that is available as optional accessory