

1 General Instructions

- Only use high quality alkali / manganese block batteries. Poor quality batteries can cause oxidation which can in turn lead to the lock malfunctioning.
- Crystalline residual moisture or aggressive vapours (e.g. from painting) are to be avoided so that the electrical contact surfaces are not adversely affected.
- When the lock is fitted, special care should be taken to ensure that no dirt particles or cleaning agents can gain access to the lock (e.g. residue of filling material or cold cleaning substances).
- Neither the lock nor the keys should be lubricated / greased.
- Alterations to the lock or input unit can lead to malfunctioning and should thus be avoided. The lock may only be opened by the manufacturers. Any warranty claims will be invalidated in the case of unauthorised opening or of alterations having been effected.

2 Instructions on fitting the lock and input unit

- Possible lock fitting positions 82011:

Horizontal : Bolt to the left ←

Vertical : Bolt up ↑

Bolt to the right →

Bolt down ↓

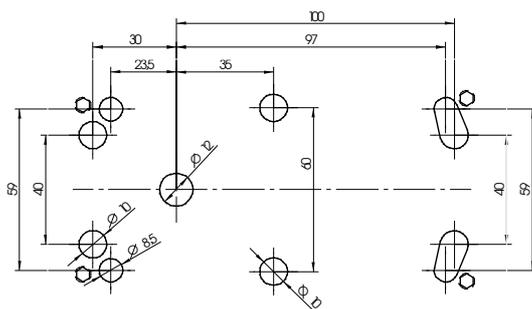
- Possible lock fitting positions 82013/19:

Horizontal : Bolt to the left ←



- The lock is suitable for fitting in steel safes. It should not be fitted to safes made of other materials such as plastic.
- No force may be applied (e.g. striking with a hammer) in order to screw in or adjust the lock.
- The lock must be fitted in the locked mode (bolt closed).
- The holes in the door of the safe (key hole, hole for cable-lead through) must not exceed 100 mm² (see assembly diagrams)
- M6 steel cheese head screws or inch screws are to be used to fix the lock.
- A mounting plate can also be used.

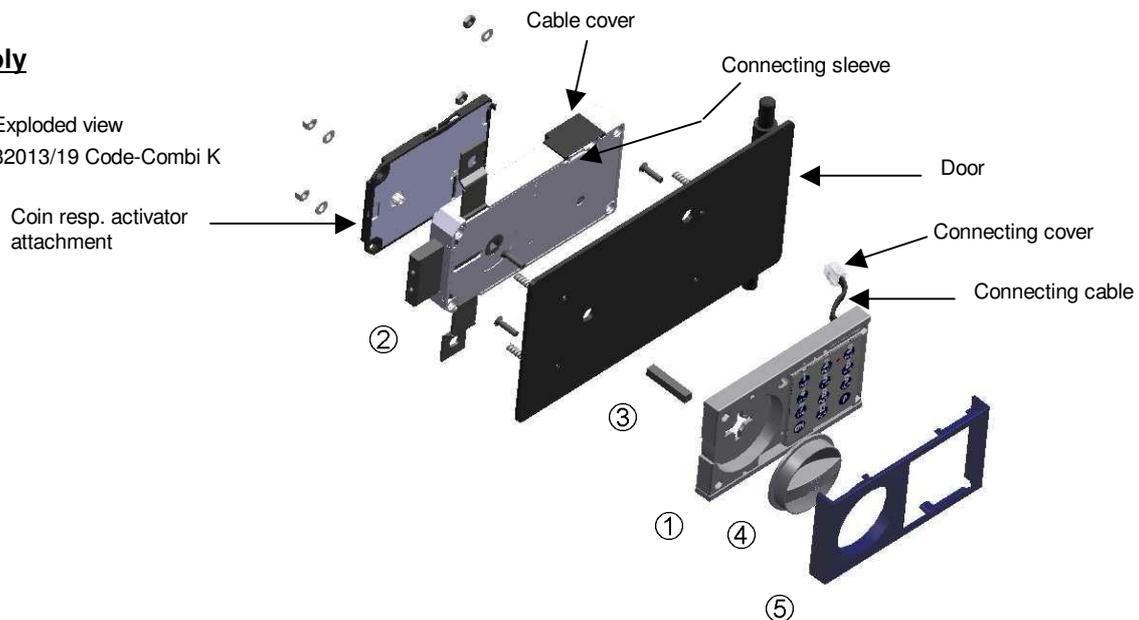
Diagram 1: Mounting plate measurements



- The key-bolt must be freely movable during the opening / locking process.

3 Assembly

Diagram 2: Exploded view
82013/19 Code-Combi K



① Fixing input unit.

- Insert the input unit's connecting cable through the door of the safe. Care must be taken to ensure that the connecting cable is not damaged during installation. Neither the protective cable casing or the wiring may be damaged as there would otherwise be a risk of short circuits occurring. The cable should be safeguarded against damage by means of protective casing or plastic tubing. Care should also be taken to ensure there are no kinks in the cable or that it is not crushed when it is fixed.
- Adjust the plastic input unit and fix with screws. There are two possibilities of fixing the input unit:
 1. From the inside of the door (see diagram 3) with M4 countersunk screws or
 2. From the outside of the door (see diagram 4) with M4 cheese head screws

Diagram 3: Fixing from the inner side of the door

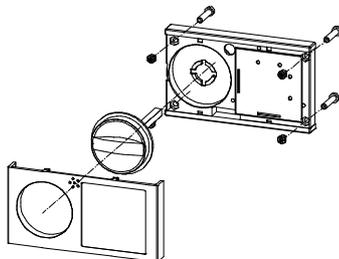
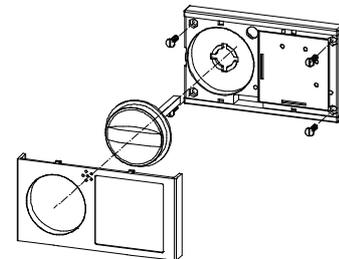


Diagram 4: Fixing from the outside of the door



② Fix lock.

- In case of model 82013/19 fix first the coin resp. activator attachment on the lock.
- Insert the connecting plug in the lock's socket.
- Adjust the lock and fix with screws.
- Fit cable cover.

③ Insert operating shaft in the lock.

④ Fit operating button on the operating shaft.

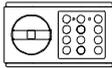
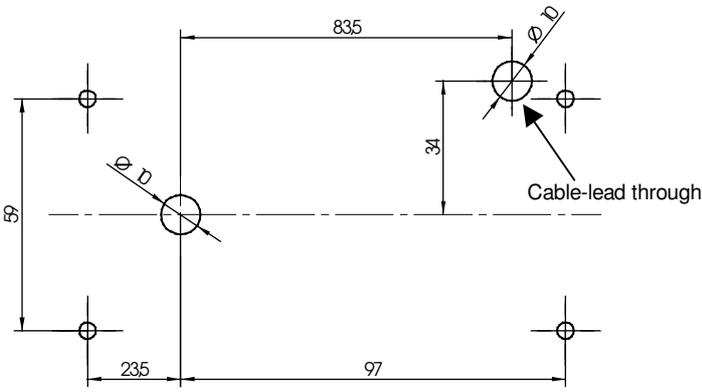
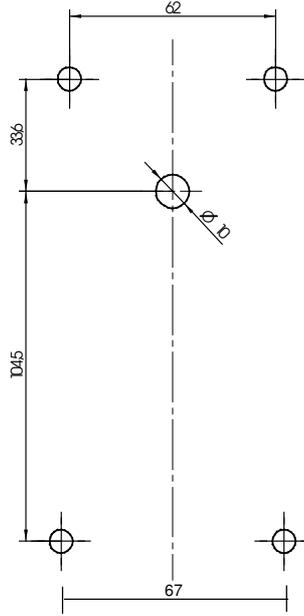
⑤ Fit cover plate.

4 Final testing

- After the fittings have been fixed the handle should be freely movable. When turned 30° the spring action should bring the handle back into the original position.
- The correct functioning of the lock is to be tested in accordance with the operating instructions.

5 Assembly diagrams

<p>Installation position of lock</p>	
<p>Installation position of input unit</p>	
<p>Hole dimensions of input unit</p>	
<p>Screw fixing points for lock</p>	

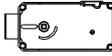
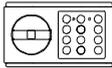
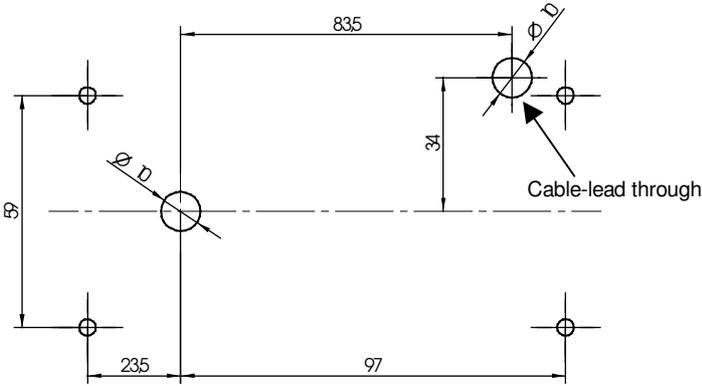
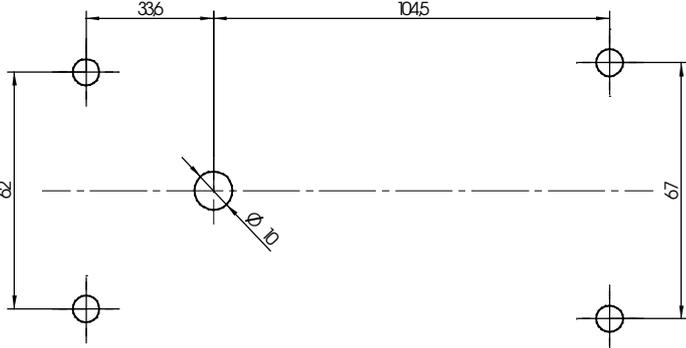
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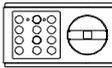
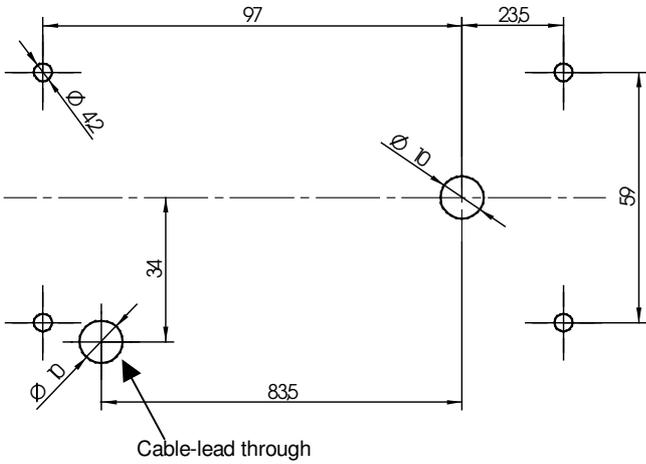
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