



Product card User manual

SL Light Safe Grade I

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SL Light Safes, grade I



Application

SL Light Safes are designed to protect cash, promissory notes, checks, classified documents, stocks and shares, as well as jewelry.

They are used in offices, stores, pharmacies, hospitals and private apartments.

Certificates for storing

- Valuables in accordance with EN 1143-1 standard, grade I;

Warning! In order to keep the product's resistance grade safe or cabinet weighing up to 1 000 kg must be anchored to the ground according to the user manual.

Important – read before operating the safe

- ! Please read this user manual and follow its provisions.
- ! If the device is equipped with a combination or/and electronic lock ALWAYS remember to change a default code on its own, unknown to third parties, BEFORE using the device. Leaving default code is a threat to the security of deposited values.
- ! Changing the code and test of the new code in the combination or electronic lock MUST be done on the open door of the safe. By changing the code on closed door you run the risk of the need for their emergency opening.
- ! If the safe is equipped with a handle or knob to move the bolts, opening or closing the door should be done ONLY by holding the handle or knob to move the bolts. Opening or closing the safe door by pulling on the key, combination lock knob or electronic lock keypad can result in product damages, which are not subject to warranty.

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- ! Before closing the safe door you **MUST** check if the bolts are maximally retracted. Extended bolts while closing the safe door can damage the paint coat at the place of bolts impact on the edge of the door opening. Such damage is not considered as a basis for warranty repair.
- ! At the end of this user manual you will find information how to conduct the most common problems.

Product description

- > A complex body and door structure made of top-quality steel plate with high impact resistance;
- > Mobile vertical and horizontal bolting system;
- > Fixed bolts making it impossible to tear doors out even after cutting out or destroying hinges;
- > Internal hinges, door opening angle 90° ;
- > Each model features a handle;
- > Suitable for floor mounting;
- > 24 – month guarantee.

Basic equipment

- > A-grade key lock with two keys;
- > Shelves with suspension height adjustment; maximum shelf load – 50 kg;
- > Anchoring: 2 perforations in the safe's bottom
- > Operating and user's manual including a guarantee certificate.

Additional equipment

- > Key lock replacement with a combination or electronic lock;
- > Additional key, electronic or combination lock;
- > Key lock and combination lock, grade C;
- > Time delay and silent alarm of the Combogard lock;
- > Third key for key lock;
- > Alarm system output – connection to a building's alarm system;
- > Bolt and door position sensors;
- > Separately lockable internal boxes;
- > Additional shelves;
- > Handgun holders for 5 pieces of short firearms;
- > Mounting anchors;
- > Protective sealing.

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Types of locks



key combination electronic

Standard colours

- Light grey RAL 7035 (by default unless another color is indicated in the order);
- Light grey RAL 9002 (must be indicated in the order, no additional cost);
- Black RAL 9005 (must be indicated in the order, no additional cost).

* Any color from the RAL palette to order (powder coated).

Specifications

Model	External dimensions [mm]			Internal dimensions [mm]			Weight [kg]	Capacity [l]
	H	W	D	H	W	D		
SL 45	450	490	440	348	388	295	80	40
SL 67	670	490	440	568	388	295	109	65
SL120	1200	490	440	1098	388	295	179	126

Model	Shelves [pcs.]	Separately lockable internal box*	Additional lock*
SL 45	1	No	Yes
SL 67	1	Yes	Yes
SL120	2	Yes	Yes

Model	Door opening radius R [mm]	Door clearance [mm]	
		W	S
SL 45	378	350	323
SL 67	378	570	323
SL 120	378	1100	323

Installation

Safes are mounted to the floor using two steel expansion connectors (Fig.1).

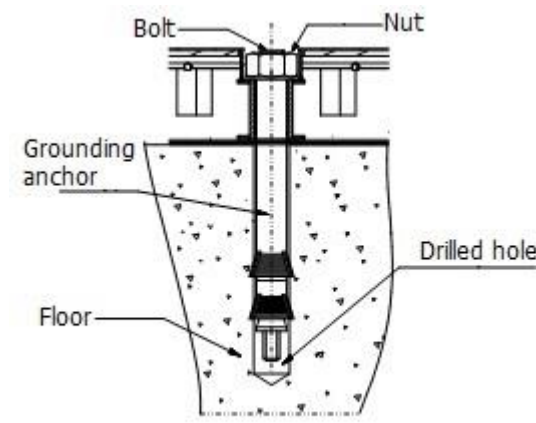


Fig. 1

Anchoring depth min. 65mm
Concrete min. C16/20

➤ **In order to anchor the safe to the floor, the following steps should be taken:**

1. Place the safe in the final location.
2. Remove the plugs from the perforations in the safe's bottom.
3. Drill holes in the floor through the perforations in the device to the depth corresponding with the length of the expansion connector.
4. Place the safes so that the perforations in its bottom and the holes in the floor coincide.
5. Insert the anchor and fasten the nut. If the connector's bolt protrudes above the bottom of the safe's interior after fastening the nut, loosen the nut, drill the bolt using a screwdriver and fasten the nut again.
6. Cover the perforations with a plug.

➤ **If the safe is too small to drill holes in the floor through the perforations in the safe (the drill does not fit into the safe, for example when interior boxes are present), the following should be done:**

1. Measure the spacing between the perforations in the safe's bottom.
2. Mark the location of the perforations on the floor.
3. Drill holes in the floor to the depth corresponding with the length of the expansion connector.
4. Place the safes so that the perforations in its bottom and the holes in the floor coincide
5. Insert the anchor and fasten the nut. If the connector's bolt protrudes above the bottom of the safe's interior after fastening the nut, loosen the nut, drill the bolt using a screwdriver and fasten the nut again.
6. Cover the perforations with a plug.

Operation - opening

- **Opening of a safe fitted with a key lock only:**
 1. Insert the key into the lock hole.
 2. Turn the key by over 90° (over 1/4 of a turn) clockwise, resistance indicates that the lock is open, the key must remain in the lock (the key lock design prevents the key from being removed when the lock is in open position).
 3. Turn the handle clockwise.
 4. Pulling the door opens the safe.

- **Opening of safes fitted with combination or electronic lock:**
 1. Open the combination/ electronic lock following the steps described in the enclosed lock's operation manual.
 2. Turn the handle clockwise.
 3. Pulling the door opens the safe.

- **Opening of safes fitted with key and combination lock or electronic lock:**
 1. Insert the key into the lock hole.
 2. Turn the key by over 90° (over 1/4 of a turn) clockwise, resistance indicates that the lock is open, the key must remain in the lock (the key lock design prevents the key from being removed when the lock is in open position).
 3. Open the combination/ electronic lock following the steps described in the enclosed lock's operation manual.
 4. Turn the handle clockwise.
 5. Pulling the door opens the safe.

- **Opening of safes fitted with two key locks:**
 1. Insert the key into the first lock hole.
 2. Turn the key by over 90° (over 1/4 of a turn) clockwise, resistance indicates that the lock is open, the key must remain in the lock (the key lock design prevents the key from being removed when the lock is in open position).
 3. Open the second lock proceeding as above.
 4. Turn the handle clockwise.
 5. Pulling the door opens the safe.

Operation - closing

- **Closing of a safe fitted with a key lock only:**
 1. Close the door by pressing it against the body (door bolts must be concealed).
 2. Turn the handle anti-clockwise.
 3. Turn the key by over 90° (over 1/4 of a turn) anticlockwise, resistance indicates that the safe is locked.
 4. Remove the key.

- **Closing of safes fitted with a combination or electronic lock only:**
 1. Close the door by pressing it against the body (door bolts must be concealed).
 2. Turn the handle anti-clockwise.
 3. Close the combination/ electronic lock following the steps described in the enclosed lock's operation manual, the safe is closed.

- **Closing of safes fitted with key and combination lock or electronic lock:**
 1. Close the door by pressing it against the body (door bolts must be concealed).
 2. Turn the handle anti-clockwise.
 3. Turn the key by over 90° (over 1/4 of a turn) anticlockwise, resistance indicates that the safe is locked.

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4. Close the combination/ electronic lock following the steps described in the enclosed lock's operation manual, the safe is closed.

> Closing of safes fitted with two key locks:

1. Close the door by pressing it against the body (door bolts must be concealed).
2. Turn the handle anti-clockwise.
3. Turn the key by over 90° (over 1/4 of a turn) anticlockwise, resistance indicates that the safe is locked.
4. Close the second lock proceeding as above

Installation of shelves

Safes are delivered with shelves packed separately and placed on the safe's bottom. After unwrapping the shelves, the shelf clips (in a bag) are located in the corresponding perforations in the battens (fig.2). Place the shelves on the clips. The location of the shelves depends on the needs of the user and can be adjusted.

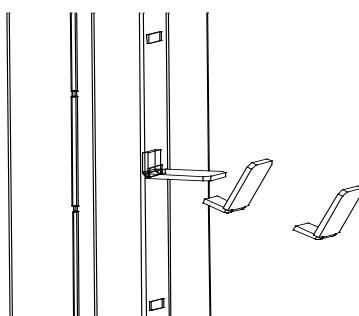


Fig. 2. Installation of shelf clips

Replacement of the electronic lock's battery

Note:

Replacement of the battery does not require guarantee seals to be broken.

One 9V battery is required for the replacement.

Follow the instructions below in order to replace the battery.

The location of the battery depends on the type of installed lock. Most often battery is located on the internal side of the safe door (in a suitable battery container) or external part of the lock (lock keyboard).

1. If the battery is located in an external lock keyboard:
 - a. Open the safe.
 - b. Remove the black cover of the battery compartment located on the inside of the safe door.
 - c. Replace the battery noting the polarity - the markings "+" and "-".
 - d. **Check correct operation of the lock while the safe door is open** (open and extend bolts several times).
 - e. If the lock operates correctly, replace the battery compartment cover and close the safe.
2. If the battery is inside the safe (most often on internal side of the safe door):
 - a. Open the safe.
 - b. Remove the black cover of the battery compartment located on the inside of the safe door.
 - c. Replace the battery noting the polarity - the markings "+" and "-".
 - d. **Check correct operation of the lock while the safe door is open** (open and extend bolts several times).
 - e. If the lock operates correctly, replace the battery compartment cover and close the safe.

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3. If the battery is located on the internal side of the safe door and the lock cannot be opened, as well as the safe door are closed:
 - a. Check whether the lock keypad has special contact pins to applicate additional battery and emergency lock opening.
 - b. Replace the battery noting the polarity - the markings "+" and "-".
 - c. Hold the whole time additional battery with the contact pins, open the lock with normal code and then unlock the safe door.
 - d. After unlocking the safe door additional battery can be detached and the old battery can be replaced as described above.

Warning: Make sure that the ends of the battery with positive and negative polarity are matched correctly, as marked in the battery compartment. If the battery is installed incorrectly, running the lock will not be possible.

There are locks supplied more than one battery, in such cases, replace all the batteries at the same time. Do not mix old and new batteries or mix batteries of different types (for example, alkaline and lithium batteries). Batteries should not be opened, punctured, loaded, installed, or exposed to fire, heat or water. It is recommended to only use alkaline or lithium batteries of known brands.

Use

- The product should be used in rooms protected against weather elements and away from substances corrosive to metals. Relative humidity in the room up to 75%. The device can be operated in rooms with temperature within the range of +5°C – +40°C.
- When closing or opening the product, attention should be paid to moving parts e.g.: drawer, door. Improper use may lead to injuries e.g.: of fingers should they remain between the drawer and the body or between the door and the body.
- Pay attention to the position of bolts when closing the door. The bolts must unconditionally be concealed, otherwise the mechanisms may be permanently damaged.
- The installed locks and mechanisms may not be modified under pain of voiding the guarantee.
- Installation of locks and mechanisms during the guarantee period may be done by an authorized service or a user holding a written approval of the service.
- Should it be necessary to change the keys, it is recommended to replace the entire lock.
- Pay attention to foundation of the safe so that the door does not directly hit obstacles.
- Bolting mechanisms and locks should operate smoothly and without jamming. In the event of any reservations about operation of the said subassemblies, they ought to be reported to the KONSMETAL service.
- In the event of any reservations about the delivered product, they ought to be reported to the KONSMETAL service.
- It is not recommended to make modifications without the manufacturer's knowledge even after the guarantee period has expired.

Maintenance

> Door:

It is recommended to lubricate the hinges as necessary, however, no less frequently than once every three years using bearing grease. All the friction couplings and joints of mechanisms ought to be lubricated with technical acid-free petroleum jelly once every three years.

> Body:

In principle, the body does not require any special maintenance. Basic maintenance involves cleaning of the body housing. In order to do so, use a soft cloth dampened with mild detergent and then wipe the cleaned surface dry.

Adjustment of hinges

SL Safes have internal hinges, so their adjustment is possible when the door is opened. To make an adjustment you need two hex keys of size 3 and 5.

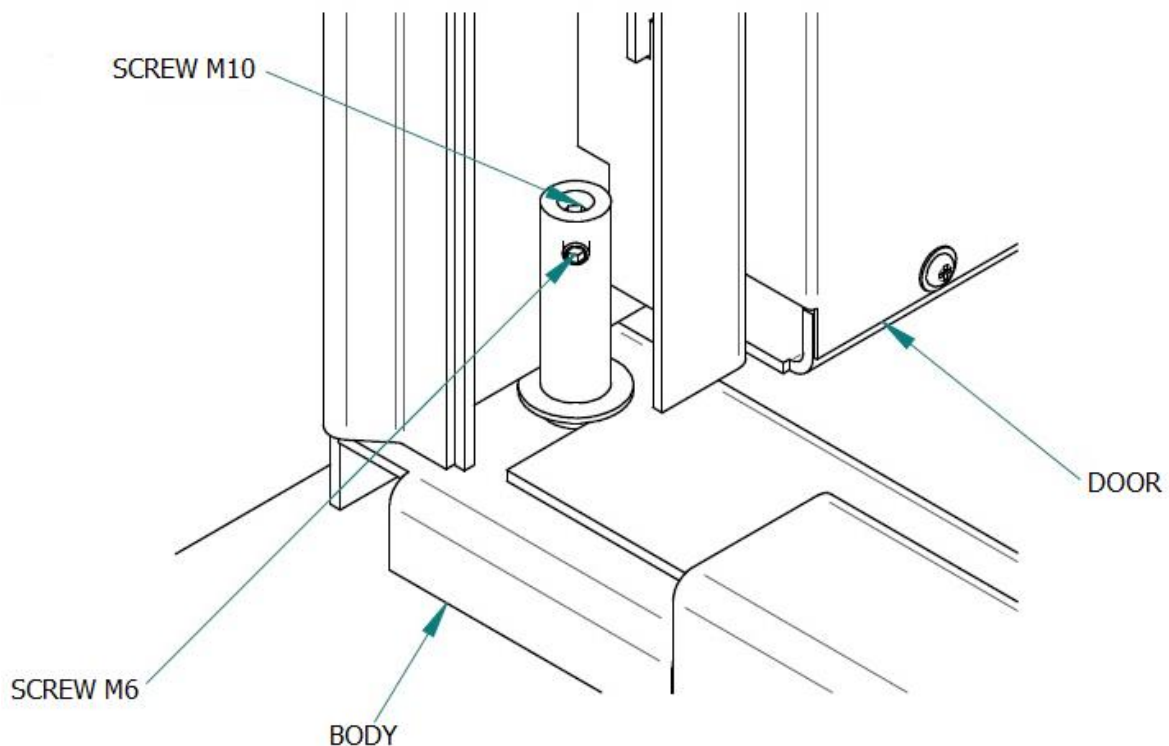


Fig. 3 Internal hinge (view from the inside of the safe)

> Adjustment of hinges is performed as follows:

1. Using hex key No. 3 loosen the screw M6 in the upper and lower hinge of the safe.
2. Using hex key No. 5 loosen the screw M10 in the upper hinge.
3. Height adjustment of the door is done using M10 screw of the lower hinge.
 - a. While tightening the screw M10 door are lifting.
 - b. While unscrewing M10 door are falling.

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4. After setting the correct door height with the screw M10 of the lower hinge, tighten the screw M10 of the upper hinge, but not too tight (the door move freely).
5. At the end, tighten the screws M6 of both hinges to prevent twisting of the screws M10.

Adjustments is performed so that the slots on the top and bottom of the door were equal (control on half closed door of the safe). In case of problems, please contact the Service.

Most common problems and remedies

1. Key or combination lock does not close:

- a. Make sure bolts blocking the door opening are extended. If after their maximum ejection lock does not close, please contact the Service.

2. Combination lock cannot be opened despite selecting the correct code:

- a. Make sure the other person has not changed the code.
- b. Make sure that the base of the lock knob with the code set marker does not come loose and the marker is not moved aside from its original position – if so, try to set code in different positions of the marker and then contact the Service to improve the fixing base.

3. Electronic lock works differently than usual – sounds are different and/or diode blinks:

- a. Check the manual of the lock whether lock signals low battery – if so, replace the battery immediately with a new one according to the lock manual.
- b. Make sure that it is not related to entering the wrong code. Detailed information on the unusual situation signaling by the relevant model of the lock can be found in the lock manual.
WARNING! Triple attempt of entering the wrong code moves the lock into 'punishment' mode which means that the lock will not accept any code for a certain time. To open the lock you must wait for a certain time defined for that lock and then enter the correct code. Details are given in the lock manual.

4. Electronic lock makes no sound or does not open:

- a. Replace the battery or connect a new battery with the emergency power supply contact pins (depending on the model of the lock – see the lock manual) and then try to open the lock. If the lock still does not open please contact the Service.

Contact details to the KONSMETAL Service

phone: +**48 89 625 37 99** (Monday – Friday: 8-16)

e-mail: **serwis@konsmetal.pl**

When contacting the Service keep prepared the following data (if possible):

- Device model
- Purchase date
- Serial numer (from the nameplate located inside the device)

In order to verify whether the product is under warranty in most cases it is sufficient to give the serial number from the nameplate. Sometimes you will need proof of purchase or warranty card with purchase date and vendor's stamp.