

## Operating Instructions

### Safes CWS / DWS / EWS

Included in delivery:

Additional operating instructions as required (depending on the lock equipment)

Double-bit key (for double-bit lock, if built in)

Change key (for Number combination lock, if built in)

Cylinder key (for locking of the boltwork cover, necessary for mounting of the alarm detectors in the door)

Supplementary sheet to the operating instructions „EMA preparation in safes LFK810025“

## 1 General information

### 1.1 Validity of this instruction:

Safes type CWS, DWS, EWS

#### 1.1.1 Classification of the safes

	resistance-grade according to EN 1143-1 certified by VdS, ECB-S, A2P (CNPP)	accepted by VSÖ VVO
CWS	grade III	class EN 3
DWS	grade IV	class EN 4
DWSKB	grade IV KB	class EN 5
EWS	grade V	class EN 5
EWSKB	grade V KB	class EN 6

### 1.2 Dissolving of the certification

After burglary attacks, fire or improper intervention in design and function, the certification will be dissolved. Particularly interventions in the locking system may be carried out only by experts authorized by the manufacturer.

### 1.3 Fabrication number of the safes

The fabrication number (order number) and the type name are stamped at a label at the inside of the door. The fabrication number is also written on the doublebit key (in case of a safe with keylocks).

The fabrication number is needed in case of further inquiries.

### 1.4 Transport and place of installation

Safes type 1600, 1901 - 1904 are prepared for the transportation with a ring screw M30x1,5 DIN 580. All safes are suitable for raising with hydraulics machines.

Before the installation the permitted floor loading has to be checked.

The safe has to be installed and levelled, so that the door does not swing in any open position.

### 1.5 Floor fixing

Safes with less than 1000 kg net weight are prepared for a floor fixing and must be anchored according to paragraph 8.

### 1.6 Accident prevention

**For opening and closing the safe door use only the proper handle (with both hands).**



### 1.7 Environmental conditions for electronic locks

Temperature range:	0° up to +60° C
Humidity:	max. 75 % not condensing
Electromagnetic compatibility:	according to VdS 2110

Because electronic components could be damaged by electromagnetic fields, electronic welding in a radius of at least 5 meters is not permitted.

If electronic weldings are unavoidable, the electronic lock has to be deinstalled and taken away from the endangered zone by our customer service.

### 1.8 Code Security

If your safe is equipped with a codelock, never use simple number combinations (eg. 112233, 123456), personal data (eg. birth days) or in case of electronic locks with a keyboard combinations with few different numbers (eg. 000111). To improve security change the codes regularly.

## 1.9 Maintenance

Except for a few exceptions nonpolluting lacquers are used. For cleaning we recommend standard alkaline household detergents. In no case use nitro or related dissolvers. In case of doubt try in a hidden area.

## 1.10 Locking of the locks

The safe is locked only if all built in locks are locked actually with the door closed.

## 2 Initial operation

### 2.1 Unlock the locks

2.1.1 Open the code locks with the factory code according to enclosed operation instructions.

#### 2.1.2 Keylocks:

Swing keyhole cover clockwise.

Insert the key into the keyhole with the longer key-bit to the handle.

– upper lock > long key-bit below

– lower lock > long key-bit up

Turn the key clockwise until stop.

### 2.2 Turn the handle clockwise until stop

### 2.3 Open the door

### 2.4 Adjust the code locks to a personal code according to enclosed operating instructions

2.4.1 Mechanical number combination locks and electronic locks with mechanical bolt operation:

Close the boltwork while the door is open, by turning the handle counterclockwise in horizontal position.

Change the factory code to a personal code according to operating instructions.

In case of electronic locks with several possible opening codes one opening code should be stored in a secure place (not in this safe), because without valid opening code nondestructive opening is not possible!

In case of electronic number combination locks with mechanical override-key the key should be stored in a secure place (not in this safe)!

Lock and unlock the number combination lock several times.

2.4.2 Electronic number combination locks with a motor driven bolt

Change the factory code to a personal code according to operating instructions.

For each lock one opening code and the master code should be stored in a secure place (not in this safe), because without valid opening code nondestructive opening is not possible!

Close the boltwork while the door is open, by turning the handle counterclockwise in horizontal position.

This locks the boltwork automatically.

Open the lock with the new code according to the operating instructions.

Turn the boltwork clockwise until stop.

## 3 Unlock and open the safe

### 3.1 Unlock the locks

3.1.1 Open the code locks with the opening code according to enclosed operating instructions.

#### 3.1.2 Keylocks:

Swing keyhole cover clockwise.

Insert the key into the keyhole with the longer key-bit to the handle.

– upper lock > long key-bit below

– lower lock > long key-bit up

Turn the key clockwise until stop.

### **3.2 Turn the handle clockwise until stop**

### **3.3 Open the door**

In case of an open boltwork the locks cannot be locked. To remove a key, the boltwork has to be brought into locked position while the door is open (handle in horizontal position).

Attention: In connection with an electronic code lock with a motor driven bolt the lock locks automatically as soon as the boltwork is in a closed position. To open again you need an opening code! If the time is already in a locking periode of the time lock, you have to press the locking periode interruption button (in the boltwork cover) before entering the opening code.

## **4 Close and lock the safe**

Initial position: Door open, boltwork open – handle in angle position

### **4.1 Close safe door with both hands at the handle**

### **4.2 Turn the handle counterclockwise until stop (horizontal position)**

### **4.3 Lock the locks, if necessary remove the key**

Electronic locks with motor driven bolt locks automatically, as soon as the boltwork is in locking position.

### **4.4 For safety reasons check if the lock is locked properly (opening test without entering code, turn the handle)**

## **5 Open the inner door to the boltwork room**

Initial position: Door open, boltwork in open position

### **5.1 Unlock both cylinder locks**

### **5.2 If necessary unscrew the door to the boltwork room and open the door**

Attention: As long as the inside door is open, the main door may not be closed, because the inside door could jam itself when opening again.

## **6 Close the inner door to the boltwork room**

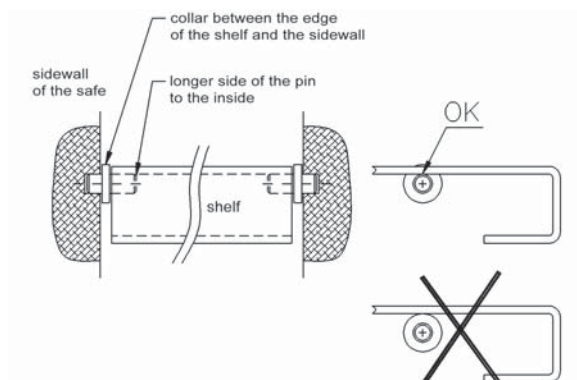
Initial position: boltwork in open position

### **6.1 Close the inner door and lock both cylinder locks**

### **6.2 If necessary screw inner door fixing screws**

## 7 Shelf mounting

To mount the shelves, the mounting clips have to be put with the shorter side on the same level into the prepared holes into the left and right sidewall. The shelf has to lie at the clips in such way, that the collar is between the edge of the shelf and the sidewall. The shelf may never lie at the collar, because the clip could fall out and the shelf would fall down.



## 8 Anchoring

### 8.1 Safes with less than 1000 kg net weight must be equipped with a floor fixing according to EN 1143/1

Scheduled anchor: 1 HILTI HST M20x270/130

suitable for floors with max. 80 mm floor construction (floor screed + insulation) to the load-bearing concrete floor.



For deeper anchoring in concrete the anchoring can be made with longer HILTI HST M 20 anchors or alternative with adhesive anchors and M 20 thread bar with a steel quality of 8.8 according to the processing guidelines of the manufacturer.

Installation is always preferable on concrete. On floor constructions other than concrete where it is not possible to use the supplied anchor, the fixing still has to remain a diameter of 20 mm and a minimum steel quality of 8.8 has to be used to remain in conformity with EN 1143-1.

Not used drill holes for anchoring must be closed with the enclosed plug.

Mount the supplied anchor preferably in bearing concrete base, an anchor in the floor just is not enough.

1. Ensure that no electrical wiring or pipe work is in the region of drilling.
2. Place the safe in situ, ensuring it is level. Levelling is imperative for operational and safety purposes as the door should stop in every position when opened and not swing in or out due to improper levelling.
3. Remove plastic cap from the fixing hole.
4. Use a masonry drill with 20 mm diameter masonry drill bit, place the drill bit through the hole in the safe so it touches the concrete floor below. Drilling depth must be at least 210 mm.
5. After drilling remove dust.
6. Push the anchor through the prepared hole, the threaded part must sit below the level of the internal safe floor and must not protrude out of the recessed hole (Approximately a visible 5 mm of thread)
7. Place the washer over followed by the nut. Fasten with spanner or ratchet, size 30 on supplied nut. Tighten to a torque of 240 Nm.
8. To finish off, the plastic cap removed earlier to expose the bolt hole can be reinserted.

## **9 Connection to the alarm system**

### **9.1 Standard preparation**

Safes CWS, DWS and EWS are prepared ex works for the installation of sensors accepted by the VdS (required consoles are mounted):

For the alarm cable to the alarm system a cable run through the upper hinge is prepared (from the boltwork room into the safe). The door must be open for threading the cable.

The preparation of the alarm system is certified by VdS and documented by separate instructions (LFK810025).

### **9.2 Optional switch installation**

In this case the required lever switches and small distributors are already mounted, but not adjusted. The cables of the switches run up to the small distributors.

The adjustment, the connection to the small distributors and the installation of the noise detectors, locking element and pull out sensor in the safes is done by the alarm system constructor.

### **9.3 Locking element installation**

The safes are prepared for the installation of a locking element E4.4. The locking element can be either attached to the upper (usual position) or to the lower lock. The locking element E4.4 is not possible in connection with electromotive code locks. A boltwork door control switch is mandatory in connection with the locking element E4.4.

### **9.4 Connection of alarm system in case of locking option Safetronic Compact**

old up alarm can be connected at the clamps 4, 5 of the option box (opener 1s).

Further information, especially in connection with the additional functions of the Safetronic Compact lock, you find in the operating instructions for the alarm system constructor.

## **10 Conduct in case of key loss**

In case of key loss the lock has to be opened with a spare key. Replace it as soon as possible by customer service or authorized technicians.

**ATTENTION:** If the safe is opened with a found or stolen key in case of burglary, the insurance company is not liable for insured loss!





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