Operating instructions

Safes AWS / BWS

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 LFG810020“

LFE810003-E-10/2011

1 General information

1.1 Validity of this instruction:

Safes type AWS, BWS

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
AWS	grade I	class EN 1
BWS	grade II	class EN 2

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 needed in case of further inquiries.

1.4 Transport and place of installation

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 6.

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 down.

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

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.

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 down.

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 locking position while the door is open.

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 period of the time lock, you have to press the locking period interruption button (in the boltwork cover) before entering the opening code.

4 Close and lock the safe

Initial position: Door open, boltwork open, locking bolt retracted.

4.1 Close safe door with both hands at the handle

4.2 Turn the handle counterclockwise until stop

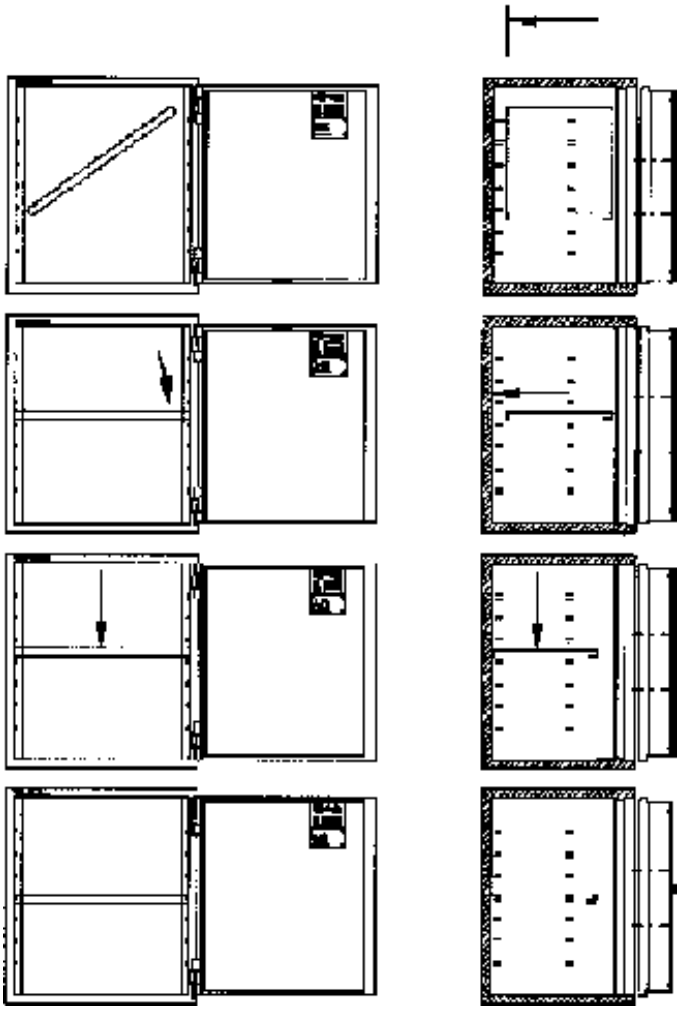
4.3 Lock the locks, if necessary remove the key

Electronic locks with motor driven bolt lock 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 Shelf mounting



1. Place the shelf diagonally in the back of the safe.
2. Adjust the shelf so it is horizontal and push it back to the rear wall above the safe clips.
3. Lay the shelf on the shelf clips.
4. Check that the shelf sits securely upon all four clips.

6 Anchoring

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 M12x185/90

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 M12 anchors or alternative with adhesive anchors and M12 thread bar with a steel quality of 8.8 according to the processing guidelines of the manufacturer.

On other floor constructions than concrete the fixing needs to have a diameter of 12 mm and a minimum steel quality of 8.8 with a washer minimum 24 mm outer diameter and 2,5 mm thick.

Safes AWS and BWS are equipped with two floor fixings and a rear wall fixing. For acceptance by the insurance one of these fixings is sufficient.

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. Use a masonry drill with 12 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 175 mm.
4. After drilling remove dust.
5. 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 10 mm of thread).
6. Place the washer over followed by the nut. Fasten with spanner or ratchet, size 19 on supplied nut. Tighten to a torque of 60 Nm.

7 Connection to the alarm system

7.1 Standard preparation

Safes AWS and BWS 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 the installation of a hanging loop is prepared.

The preparation of the alarm system is certified by VdS and documented by separate instructions (LFG810020).

7.2 Locking element installation

The safes are prepared for the installation of the locking element E4-4. The locking element can be mounted at the front lock (main lock). The locking element is not suitable in conjunction with electronic number combination locks with a motor driven bolt.

A boltwork door control switch is mandatory in connection with the locking element E4-4.

Installation instructions for the alarm system technician

Mount the locking element at the prepared M6 threads below the boltwork drive in that way, that the locking lever is oriented frontsided down.

Connect the boltwork with the locking lever with the installation parts attached to the locking element. To level the height difference use an extension nut M5 DIN 6334 below the lower knee bearing.

Adjust the locking element according to the instructions for use.

7.3 Pull out sensor in case of floor fixingg

Installation precondition for the scheduled pull out sensor AM 115 is the mounting of a heavy load plug:

SLD 31 - Drill Ø 15 mm

The drillings can be drilled through the safe floor.

Mount the pull out sensor in the fixing hole on the door hinge side.

8 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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