

Operating instructions

Safes AG / AM / BG / BM / CM

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“ (except model series AG)

1 General information

1.1 Validity of this instruction:

Safes type AG, AM, BG, BM, CM

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 |
|----|--|------------------------|
| AG | grade I | class EN 1 |
| AM | grade I | class EN 1 |
| BG | grade II | class EN 2 |
| BM | grade II | class EN 2 |
| CM | grade III | class EN 3 |

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, electric welding in a radius of at least 5 meters is not permitted.

If electric 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 water based paints 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 while the door is 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:

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

Turn the key clockwise until stop.

2.2 Turn the handle clockwise until stop (counterclockwise in case of a left hinged door)

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 have to be adapted with open door and boltwork in locking position.

Lock and unlock the number combination lock several times.

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!

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:

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

Turn the key clockwise until stop.

3.2 Turn the handle clockwise until stop (counterclockwise in case of a left hinged door)

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.

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

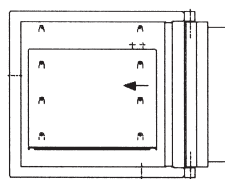
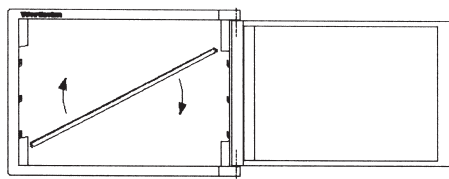
4.2 Turn the handle counterclockwise until stop (clockwise in case of a left hinged door)

4.3 Lock the locks, if necessary remove the key

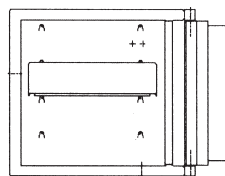
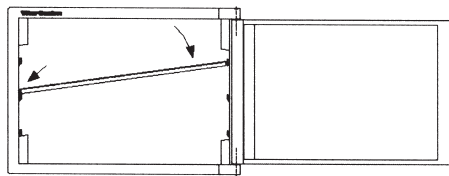
Electronic locks with motor driven bolt lock automatically, as soon as the boltwork is in locking position.

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

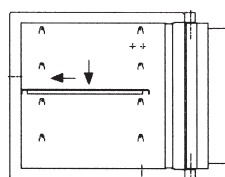
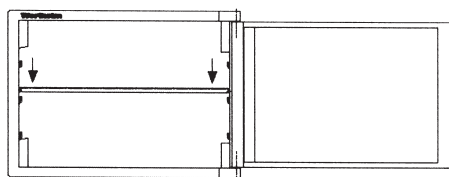
5 Shelf mounting



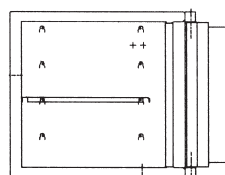
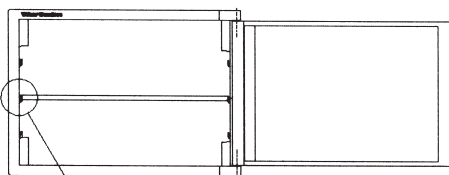
1. Place the shelf diagonally at the back of the safe.



2. Adjust the shelf horizontally.



3. Push the shelf above the shelf clips to the rear wall and move it into the shelf clips.



4. Check that the shelf is securely engaged into all four clips (see detail!)

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 floor constructions other 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 AG, AM, BG, BM and CM are equipped with a floor fixing and a rear wall fixing. For acceptance by the insurance one of these fixings is sufficient. We recommend a fixing through the floor and back wall. The scheduled anchor should be preferably used in the floor and the back wall will be anchored by means of screws and dowels. Thus, a subsequent removal is possible.

Unused anchor holes have to be closed with the enclosed plug.

Mount the supplied anchor preferably in bearing concrete base, an anchor in the screed 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 12 mm masonry drill, drill through the hole in the safe appr. at least 175 mm deep.
4. After drilling remove dust.
5. Push the anchor through the prepared hole, until 10 mm above the nut bearing face.
6. Mount washer and nut. Fasten with 19 mm socket wrench to a torque of 60 Nm. To finish off, the plastic cap removed earlier to expose the bolt hole can be reinserted covering the recessed hole and anchor.

7 Connection to the alarm system – (except model series AG)

7.1 Standard preparation

Safes AM, BM, BG (from model BG 15) and CM 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, at CM the cable entry is provided through the hinge.

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

7.2 Optional switch set

The required switches and small distributors (without noise detector and pull out sensor) can be pre-mounted ex works, but not wired and adjusted. They can be ordered later too.

7.3 Pull out sensor in case of floor fixing

Safes AM, BM, BG (from model BG 15) and CM are prepared ex works for the installation of a pull out sensor. Installation precondition for the scheduled pull out sensor AM 115 is the mounting of a heavy load plug:

SLD 31 - Drill \varnothing 15 mm

The holes 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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