



Operation manual Residential door

Operation and maintenance manual, Service data, Operating diary, Certificate of warranty



Contents of Operation manual

Warranty Terms	3
1 Sectional door description	4
2 Terms	5
3 Door operation.....	5
3.1 Manual Control.....	5
3.2 Motor Control.....	5
3.2.1 Functional sequence.....	6
3.2.2 Internal safety device.....	6
3.2.3 External safety devices.....	6
3.2.4 Quick release.....	6
3.2.5 Lighting	7
3.2.6 Signal light	7
3.2.7 Hand transmitter	7
4 Maintenance and cleaning	8
4.1 Maintenance.....	8
4.2 Cleaning	8
5 Dismantling.....	8
6 What to do after cable break or spring break?.....	9
6.1 Cable break.....	9
6.2 Spring break.....	9
7 Safety warnings.....	10
8 Service reviews	11
8.1 After 3 months or 1 000 cycles ²⁾	11
8.2 Operation manual – inspection after 12 month or 1 500 cycles ²⁾	12
8.3 Operation manual – inspection after 24 month or 3 000 cycles ²⁾	13
8.4 Operation manual – inspection after 36 month or 4 500 cycles ²⁾	14
8.5 Operation manual – inspection after 48 month or 6 000 cycles ²⁾	15
8.6 Operation manual – inspection after 60 month or 7 500 cycles ²⁾	16
8.7 Operation manual – inspection after 72 month or 9 000 cycles ²⁾	17
8.8 Operation manual – inspection after 84 month or 10 500 cycles ²⁾	18
8.9 Operation manual – inspection after 96 month or 12 000 cycles ²⁾	19
8.10 Operation manual – inspection after 108 month or 13 500 cycles ²⁾	20
8.11 Operation manual – inspection after 120 month or 15 000 cycles ²⁾	21
8.12 Operation manual – inspection after 132 month or 16 500 cycles ²⁾	22
Operating diary	24
Warranty Certificate.....	26



ATTENTION!

Safety always comes before operation!

Dear customer,
thank you for buying our sectional door. We believe that you will be satisfied with our door and its operation. Read this User manual carefully before you start to operate the door. Always follow instructions given in this manual when you operate the door. Using or operating the door contrary to this manual is prohibited and can lead to unpredictable or dangerous conditions or situations. This manual describes operating with the door in common situations. This sectional door has been designed for private and residential use only. It also describes which precautions have to be done when non-common situation occurs (e.g. the spring breaks). Reading through this manual does not qualify you for operating the door in non-common situations, repairing of the door etc.

Warranty Terms

During the warranty period Seller provides free-of-charge repair of malfunctions by a qualified technician. The warranty can be used only if the servicing intervals prescribed by the producer are maintained and if all the rules, norms and directives issued by the producer are followed.

The warranty does not apply to problems caused ordinary wear and tear; by unprofessional or unqualified interference, activation or operating; unprofessional transportation or assembly; violation of the procedures stated in the Operation manual; unsuitable use of the product; unsuitable storage or treatment; negligence to the prescribed servicing intervals; culpable or maintenance negligence; installation in an environment with non-standard (excessive) humidity or dustiness, environment (fire, water, salts, acids, alkalis, ...), Force Majeure (theft, natural disaster, flood, electric power surge, etc.); carelessness or malicious damage or mechanical damage. Additionally, the use of components which were not supplied/approved by the producer leads to nullification of the warranty.

The complaining user has to prove the malfunction, and allow for verification, that the complaint is reasonable and must allow assessment of the scope of the malfunction. The user must not undertake repairs himself or by means of a third party. The cost of an invalid complaint is to be borne by the user who made such claims.

Definition of terms

The Bronze Guarantee

A standard guarantee provided by the sectional doors manufacturer. This guarantee is provided for a period of 24 months. The guarantee commences on the date of purchase, which must be marked in the Warranty Certificate. The guarantee abides by the Guarantee Conditions, stipulated in this Operation manual.

The Silver Guarantee; The Golden Guarantee

An extended guarantee provided by the manufacturer for extra charge. The guarantee abides by the Guarantee Conditions stipulated in this Operation manual.

The Silver Guarantee commences on the first day, subsequent to due expiration of a standard guarantee, and ends after 60 months commencing from the date of purchase or after having reach 7,500 door cycles (depending on whichever occurs first).

The Golden Guarantee commences on the first day, subsequent to due expiration of a standard guarantee, and ends after 120 months commencing from the date of purchase or after having reached 15,000 door cycles (depending on whichever occurs first).

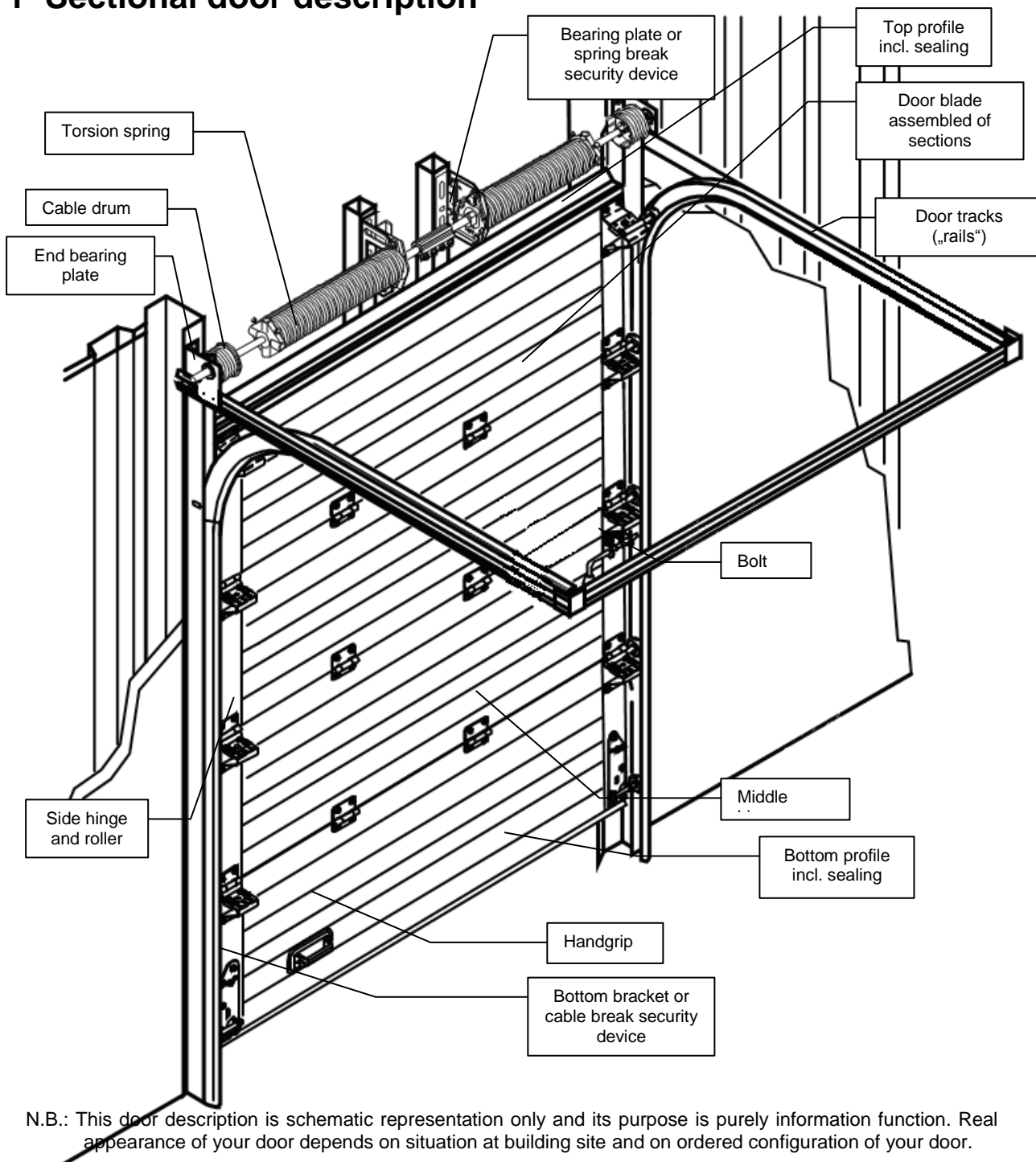
The extended guarantee does not apply to motors, electric or electronic parts of the doors and their accessories. The extended guarantee applies to springs only to such number of cycles, for which the springs were ordered. No transport, disassembly, assembly or similar costs shall be covered by the extended guarantee. Provision of The Silver Guarantee or of The Golden Guarantee must be stated in the Warranty Certificate.

Guarantee for panels consistency

For selected types of panels, an extended guarantee for 132 months (11 years) is provided for panels' consistency. Provision of such guarantee must be stated in the Warranty Certificate.

Operation and maintenance manual

1 Sectional door description



2 Terms

- Operator "Operator" is the person who operates the door under normal circumstances. The "Operator" must be aware of all aspects relating to safety and that which is mentioned in this user guide. The "Operator" is not authorized to make any repairs to the door.
- Technician "Technician" is the technical expert of door producer or the technician of the company authorized by the door producer or the customer's technician who has written permission from the door producer. The "Technician" is qualified to conduct repairs. The "Technician" is authorized to perform mechanical or electrical repairs and maintenance.
- Cycle "Cycle" is the activity done by the door representing one set of opening and closing of a door blade.

3 Door operation

There are three types of controls (opening and closing) of a door blade:

3.1 Manual Control

Release the (lockable) latch, grip the hand grip and lift the door blade. Open by constant and smooth movement upwards. Do not use excessive force as the door blade could hit the rubber stops sharply and damage them. The door can be closed by pulling at the hand grip located on the door blade. Use the hand grip to put the door blade in the final position and then secure the door against opening by means of the (lockable) latch.



ATTENTION!

Never use other parts of the door (such as hinges, handles of the pass door etc.) for opening/closing. Always use only those elements designed for this purpose (hand grip). Do not tread on handle and/or no other part of door, parts can be permanently damaged.

3.2 Motor Control



ATTENTION!

It must be ensured that neither persons nor objects are located within the door's range of travel. **When the operator is being used, the opening and closing motion must be monitored.**



ATTENTION!

Keep hand transmitters out of the reach of children.



ATTENTION!

In case of motorized door it is important to ensure that all electrical parts are covered during operation. These covers may be removed only by a technician.

3.2.1 Functional sequence

The garage door operator can be actuated via impulse generators such as hand transmitters, key switches etc. It is only necessary to give a short, sharp impulse.

Initial impulse:

The operator starts up and causes the door to travel to the set OPEN or CLOSE end-of-travel positions.

Impulse generated whilst the door is moving:

The door stops

A new impulse:

The door continues to move but in the opposite direction.

3.2.2 Internal safety device

If the closing door encounters an obstruction, the operator stops and causes the door to open to its top end-of-travel position in order to clear the obstruction. During the last 2 seconds of the closing cycle, the door only opens slightly, this being sufficient to clear the obstruction but otherwise barring anyone from taking a look into the garage. If the opening door encounters an obstruction, the operator stops immediately. The door can be closed again by generating a new impulse.

3.2.3 External safety devices

Pass door contact

An open of pass door stops the operator immediately or stops it from starting up.

Photocell

If the photocell is interrupted whilst the door is closing, the door stops and reverses direction. An interruption whilst the door is opening has no effect.

3.2.4 Quick release

During adjustments or in the event of a power failure the door can be disengaged from the operator by actuating the pull cord on the carriage and then operated manually. If the door is to be operated manually over a longer period of time, then the existing locking pin must be inserted. The door latches, put out of service for power operation, must be refitted; otherwise the door is not latched in the closed position. To restore power operation, return the locking pin to the parking position and put the latches put out of service. After an impulse has been generated, the door automatically latches with the door operator.

3.2.5 Lighting

The lighting switches on automatically whenever a start impulse is generated and switches off again after the set time phase (factory setting approx. 90 seconds).

A second button on the hand transmitter can be programmed for 4-minutes light. When the button on the hand transmitter is pressed the light switches on independent of the motor and switches off again after approx. 4 minutes.

Changing the light bulb:

Pull out the mains plug and open the lamp cover. Replace the light bulb (230 V, 40 W, base E27) and screw the lamp cover back on.

3.2.6 Signal light

Slide back the battery compartment cover on the hand transmitter. Take out the battery. Insert a new battery (alkaline 23A, 12V) and be sure polarity correctly! Slide the cover back on. If a signal light for signaling the opening and closing phases is installed, this flashes together with the lamp in the operator as soon as a start impulse is generated. The operator starts with a time-delay in accordance with the set warning phase.

3.2.7 Hand transmitter

Changing the battery:

Slide back the battery compartment cover on the hand transmitter. Take out the battery. Insert a new battery (alkaline **CR 2032, 3V**) and be sure polarity correctly! Slide the cover back on.

4 Maintenance and cleaning

4.1 Maintenance

Correct and safe operation of the door requires not only regular servicing reviews done by a technician (see chapter 8) but also regular cleaning (par 4.2) and maintenance. Maintenance means above all the activities listed below in this paragraph. Only trained personnel are authorized to do maintenance. Only technician is justified to train personnel. The frequency of maintenance should correspond to the frequency of usage of the door, but it should not be less than every two months.

Maintenance:

- Check the cable along their whole length, including their fastening to the bottom bracket and to the cable drum (if the cable is damaged, tattered, etc., contact the technician)
- Check the screws, bolts and nuts (fasten if necessary)
- Check the bottom, side and top sealing (clean it; if it is damaged, contact the technician)
- Grease the bearings and shafts of the rollers (if damaged, contact the technician)
- Grease the hinges (if damaged, contact the technician)
- Clean the sections
- Clean the door's vicinity

4.2 Cleaning

For the door to work properly – especially its safety devices – it must be maintained in clean condition, as well as its adjacent surroundings.

Panels of the door blade are washed with clean water or a solution of normal soap-based detergents. To ensure maintenance of the panel surface properties we recommend cleaning at least quarterly.

Dirty side sealing may damage the surface of the door blade panel-sections. Clean it with dry cloth.

Cleaning of windows and glazed (full-vision) aluminium sections must be done carefully. Clean water suffices. In case of stronger dirt, you can use hot water with soap (the solution must be pH neutral). Cleaning is done by a soft cloth, so the material does not get scratched. **Dry cleaning or cleaning with glass-cleaning aids** can leave visible scratches on the transparent surfaces!

5 Dismantling

The door can be dismantled only by a trained person (technician). The producer and supplier cannot be responsible for incorrect dismantling done by an untrained person. Unprofessional dismantling can cause damage or injury!

With regard to the materials as used for the production of the system no specific circumstances or procedures need to be taken into consideration with regard to removal and processing. All parts are to be removed in accordance with the at that time valid environmental regulations.

6 What to do after cable break or spring break?

6.1 Cable break

When doors are put into operation, the cables are subject of wear and tear. As a consequence of wear and tear, wires of the cable can be damaged and cable can break. Breaking of cable can be preventing by regular check and early replacement of cable by new one. After cable breaking, the door will be hanging on the second cable. Cable is always designed to be strong enough to hold the weight of the door leaf. **After cable breakdown the door is not allowed to be operated any more and has to be ensured against any further movement up to the arrival of a service technician!** Qualified overhead door mechanics must inspect the door and replace all possibly damaged components, such as: bottom brackets, cables, roller carriers, rollers, etc. Only qualified door mechanics is allowed to make the change. The door must be properly checked before the commissioning.

6.2 Spring break

Torsion springs are designed on predetermined number of cycles. When this number of cycles is overreached, fatigue of material can caused spring break. Sectional door is stopped by spring break security device when the spring breaks (only door equipped with this device). **After the spring failure**, qualified door mechanics has to be called to inspect and repair the door. **The door may not be operated any more and has to be ensured against any further movement up to the arrival of a service technician!** The spring breaking security device is a so called “one-shot” device. After it has acted, it must be replaced, together will all other possibly damaged components of the door, such as torsion springs, spring fittings, bearing plates etc. Only qualified door mechanics is allowed to make the change. The door must be properly checked before the commissioning.

Servicing of your door is carried by:

(must be filled in by person who installed the door or who carry service)

Company name:

Address:

Contact person:

Phone No.:

Fax No.:

Email:

7 Safety warnings



Only a qualified person with enough experience can install, dismantle, repair and conduct maintenance.



If a door blade is in operation, always maintain a safe distance from the whole door construction. In spite of the safety mechanisms injury or damage can occur in case of unprofessional handling.



The direction of door movement must not be obstructed – a smooth and collision free movement must be ensured.



Only trained adults can handle the doors. Children are not allowed to operate the door.



Do not put your fingers between the panels, in the rails or near other moving parts of the door. Control the door only with the elements designed for it (hand grip, chain of the chain hoist, buttons of the motor's control panel, etc).



The torsion springs are subject to great forces. They must not be adjusted, repaired or dismantled by an unqualified person.



Never dismantle the bottom bracket or the cable break device from the door. The bottom bracket or the cable break device are connected via the cable, cable drum and shaft by means of a torsion spring, so they are also subject to large forces.

Service data

8 Service reviews

Service reviews are activities duly paid for by the door Operator (unless agreed otherwise) and prescribed by the door producer. These must be done at regular intervals in order to ensure full functionality and door safety. The service review can include also activities that exceed the scope of a normal service review, if the door Operator and the inspecting technician agree so. A due, legible and clear record must be logged in the service certificate (see below) on each service review. This record can be written only by the technician or another authorized person from the service company who made the inspection. When a warranty repair is requested it will be ascertained whether regular service reviews were conducted and correctly recorded in the service certificates.

Note: The service reviews conducted after the below stated service reviews (i.e. after all the service certificates provided here are full), will be done in the same scope and periodicity as the previous ones (i.e. at least each 12 months or after each 1 500 door cycles).

The door Operator is obliged to arrange service review!

8.1 After installation

- Complete visually inspection
- Check of horizontal position of bottom section
- Grease the bearings of rollers
- Grease the shafts of rollers in hinge slide
- Grease the bearings of the shaft
- Grease the pins of hinges
- Grease locks or cylinder locks
- Hand Operation manual over to end user.
- Check if CE marking label is complete and attached on the door

8.2 After 3 months or 1 000 cycles ²⁾

- Complete visually inspection
- Check of horizontal position of bottom section
- Check and correct the tension of the springs – balance of the door leaf
- Grease the bearings of rollers
- Grease the shafts of rollers in hinge slide
- Grease the bearings of the shaft
- Grease the pins of hinges
- Grease locks or cylinder locks

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

²⁾ Depending what comes first

8.3 Operation manual – inspection after 12 month or 1 500 cycles ²⁾

Door and accessories

- Check of horizontal position of bottom section
 - Check door section on damage or wear and tear, clean the sections
 - Check fixation of windows, clean the windows ¹⁾
 - Check the moving of door blade in rails
 - Check rails fixing to the wall/construction, clean rails
 - Check connection of track (angles, rails etc.)
 - Check rubber stops (fixing)
 - Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
 - Check the hinges on damage or wear and tear, grease the hinges
 - Check bottom, side and top seal on damage, wear and tear
 - Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
 - Check cables on damage, wear and tear
 - Check cable fixation to the bottom bracket/cable break security device
 - Check fixation of the springs to the fittings
 - Check the shaft
 - Check all bearings on the shaft on damage or wear and tear, grease the bearings
 - Check and correct the tension of the springs – balance of the door leaf
 - Check the spring break devices ¹⁾
 - Check the connection of the drum to the shaft, position of the key in drum
 - Check and re-fix the bolts of the coupler ¹⁾
 - Check fixation (to the wall, to construction etc.)
 - Check the manual operation of the door
 - Check of pulleys and their fixation ¹⁾
 - Check pass door + door closer ¹⁾
 - Check and grease locks or cylinder locks ¹⁾
 - Check tightening of all bolted connection
 - Remove dirt and waste from the door or its surroundings
 - Complete visually inspection
- Motor and accessories ¹⁾
- Check the fixation of motor
 - Check function of emergency control
 - Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
 - Check settings of end positions (end switches)
 - Check the function of remote control ¹⁾
 - Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
 - Check the function of pass door contact ¹⁾
 - Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.4 Operation manual – inspection after 24 month or 3 000 cycles ²⁾

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear, clean the sections
- Check fixation of windows, clean the windows ¹⁾
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check rubber stops (fixing)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear, grease the bearings
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction etc.)
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check tightening of all bolted connection
- Remove dirt and waste from the door or its surroundings
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check function of emergency control
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.5 Operation manual – inspection after 36 month or 4 500 cycles ²⁾

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear, clean the sections
- Check fixation of windows, clean the windows ¹⁾
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check rubber stops (fixing)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear, grease the bearings
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction etc.)
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check tightening of all bolted connection
- Remove dirt and waste from the door or its surroundings
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check function of emergency control
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.6 Operation manual – inspection after 48 month or 6 000 cycles ²⁾

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear, clean the sections
- Check fixation of windows, clean the windows ¹⁾
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check rubber stops (fixing)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear, grease the bearings
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction etc.)
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check tightening of all bolted connection
- Remove dirt and waste from the door or its surroundings
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check function of emergency control
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.7 Operation manual – inspection after 60 month or 7 500 cycles ²⁾

Door and accessories

- Check of horizontal position of bottom section
 - Check door section on damage or wear and tear, clean the sections
 - Check fixation of windows, clean the windows ¹⁾
 - Check the moving of door blade in rails
 - Check rails fixing to the wall/construction, clean rails
 - Check connection of track (angles, rails etc.)
 - Check rubber stops (fixing)
 - Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
 - Check the hinges on damage or wear and tear, grease the hinges
 - Check bottom, side and top seal on damage, wear and tear
 - Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
 - Check cables on damage, wear and tear
 - Check cable fixation to the bottom bracket/cable break security device
 - Check fixation of the springs to the fittings
 - Check the shaft
 - Check all bearings on the shaft on damage or wear and tear, grease the bearings
 - Check and correct the tension of the springs – balance of the door leaf
 - Check the spring break devices ¹⁾
 - Check the connection of the drum to the shaft, position of the key in drum
 - Check and re-fix the bolts of the coupler ¹⁾
 - Check fixation (to the wall, to construction etc.)
 - Check the manual operation of the door
 - Check of pulleys and their fixation ¹⁾
 - Check pass door + door closer ¹⁾
 - Check and grease locks or cylinder locks ¹⁾
 - Check tightening of all bolted connection
 - Remove dirt and waste from the door or its surroundings
 - Complete visually inspection
- Motor and accessories ¹⁾
- Check the fixation of motor
 - Check function of emergency control
 - Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
 - Check settings of end positions (end switches)
 - Check the function of remote control ¹⁾
 - Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
 - Check the function of pass door contact ¹⁾
 - Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.8 Operation manual – inspection after 72 month or 9 000 cycles ²⁾

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear, clean the sections
- Check fixation of windows, clean the windows ¹⁾
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check rubber stops (fixing)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear, grease the bearings
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction etc.)
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check tightening of all bolted connection
- Remove dirt and waste from the door or its surroundings
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check function of emergency control
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.9 Operation manual – inspection after 84 month or 10 500 cycles ²⁾

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear, clean the sections
- Check fixation of windows, clean the windows ¹⁾
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check rubber stops (fixing)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear, grease the bearings
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction etc.)
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check tightening of all bolted connection
- Remove dirt and waste from the door or its surroundings
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check function of emergency control
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.10 Operation manual – inspection after 96 month or 12 000 cycles
2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear, clean the sections
- Check fixation of windows, clean the windows ¹⁾
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check rubber stops (fixing)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear, grease the bearings
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction etc.)
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check tightening of all bolted connection
- Remove dirt and waste from the door or its surroundings
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check function of emergency control
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.11 Operation manual – inspection after 108 month or 13 500 cycles
 2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear, clean the sections
- Check fixation of windows, clean the windows ¹⁾
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check rubber stops (fixing)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear, grease the bearings
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction etc.)
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check tightening of all bolted connection
- Remove dirt and waste from the door or its surroundings
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check function of emergency control
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.12 Operation manual – inspection after 120 month or 15 000 cycles
 2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear, clean the sections
- Check fixation of windows, clean the windows ¹⁾
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check rubber stops (fixing)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear, grease the bearings
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction etc.)
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check tightening of all bolted connection
- Remove dirt and waste from the door or its surroundings
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check function of emergency control
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

8.13 Operation manual – inspection after 132 month or 16 500 cycles
 2)

Door and accessories

- Check of horizontal position of bottom section
- Check door section on damage or wear and tear, clean the sections
- Check fixation of windows, clean the windows ¹⁾
- Check the moving of door blade in rails
- Check rails fixing to the wall/construction, clean rails
- Check connection of track (angles, rails etc.)
- Check rubber stops (fixing)
- Check clearance and wear and tear on rollers, grease bearings and shafts of rollers
- Check the hinges on damage or wear and tear, grease the hinges
- Check bottom, side and top seal on damage, wear and tear
- Check bottom bracket/cable break device on functionality, wear and tear, check fixation to the section
- Check cables on damage, wear and tear
- Check cable fixation to the bottom bracket/cable break security device
- Check fixation of the springs to the fittings
- Check the shaft
- Check all bearings on the shaft on damage or wear and tear, grease the bearings
- Check and correct the tension of the springs – balance of the door leaf
- Check the spring break devices ¹⁾
- Check the connection of the drum to the shaft, position of the key in drum
- Check and re-fix the bolts of the coupler ¹⁾
- Check fixation (to the wall, to construction etc.)
- Check the manual operation of the door
- Check of pulleys and their fixation ¹⁾
- Check pass door + door closer ¹⁾
- Check and grease locks or cylinder locks ¹⁾
- Check tightening of all bolted connection
- Remove dirt and waste from the door or its surroundings
- Complete visually inspection

Motor and accessories ¹⁾

- Check the fixation of motor
- Check function of emergency control
- Check all cables (spiral cable, cable between control box and motor, feeder cable etc.)
- Check settings of end positions (end switches)
- Check the function of remote control ¹⁾
- Check function of bottom safety device (light barrier, pneumatic barrier) ¹⁾
- Check the function of pass door contact ¹⁾
- Check the function of external photocells ¹⁾

¹⁾ If installed on door

²⁾ Depending what comes first

Inspecting technician: (name and surname)	Signature of the technician:
Inspecting company:	Date of inspection:
	New inspection date: (to inspect no latter than)

Operations log

Manufacturer:

Installing organization:

Identification number of the door:

Door positioning:

Date of installation:

Date of checking of security elements function and operational test:

Identification number of the operator:

Identification of all the safety devices:

Date and signature of authorized person:

Operation manual

Date	Description and scope of repair or warranty repair *	Signature of the technician

* When signing, always state if the repair was under warranty or not

Operation manual

Date	Description and scope of repair or warranty repair *	Signature of the technician

* When signing, always state if the repair was under warranty or not



Warranty Certificate

Seller provides warranty from for 24 months for the sectional door (specification and parameters of the door are mentioned below in this Warranty Certificate). The manufacturer may, upon compliance of conditions pre-set by him, provide extra guarantees, apart from this standard guarantee. Provision of such guarantees must always be stated in the Warranty Certificate.

Instruction

This Warranty Certificate is valid for newly installed sectional garage door. The terms of warranty are described in this warranty certificate and in the General Terms and Conditions of the door producer. Keep the warranty in a safe place. It must be presented in case of a complaint. If no warranty certificate is presented, repair(s) cannot be regarded as warranty repair. False statement, unauthorized changes, repairs, modification, etc. render the warranty certificate invalid. A list of warranty repairs is an inseparable part of the warranty certificate.

Identification of Seller

UST:	Phone No:
Name (company / name & surname):	
Registered office / Domicile	
Door serial No:	Door type:
Width [mm]:	Height [mm]:
Lift type:	Panel type:

Place of installation:.....