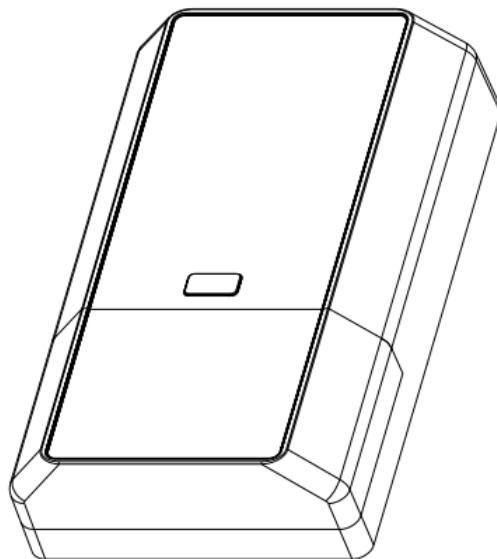




**English**

Installation and operating instructions



## Garage Door Opener

Move 600	600N
Move 1000	1000N
Move 1200	1200N

Move 600-Speed	600N
Move 1000-Speed	1000N

***Series 3***

# WARNING

Please read the manual carefully before you begin the installation and use of the opener. The installation of your new garage door opener must be performed by a competent expert or a specialist company. A competent person is, in accordance with EN 12635, considered a person who has appropriate training, qualified knowledge and practical experience in order to mount and maintain a door system properly and safely. The installation or repair without technical qualifications can lead to property damage, serious injury, and/or death.

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## Dear Customer

Thank you for choosing a quality product from Schartec. Thanks to our unique quality management system and the continual development of our products, we ensure that all Schartec openers meet the highest standards of quality and comfort. Thank you for your confidence in purchasing our product and we hope you enjoy your new Schartec garage door opener!

## Declaration of Conformity (CE)

Schartec Move series garage door openers meet the requirements of the applicable European and national guidelines. Proof of compliance through the corresponding declarations, certificates, test reports and documents can be requested via [info@schartec.de](mailto:info@schartec.de). The Declaration of Conformity can be found on page [INSERT PAGE]: The included T-11 radio equipment type ST104032 complies with Directive 2014/53 / EU. The full text of the EU Declaration of Conformity is available at the following Internet address: [www.schartec.de/en/](http://www.schartec.de/en/)

# Important Safety Instructions

## 1. Intended Use:

The garage door opener is designed exclusively for impulse operation of spring-balanced Sectional and Up & Over garage doors in private / non-commercial areas. Door systems used in a public area with only one protective device, e.g. the force limiter, may only be operated under supervision. The garage door opener is designed for operation in dry areas only.

## 2. Unspecified Uses:

The garage door opener must not be used for purposes other than for the automation of garage doors. Continuous operation and the use in the commercial sector is not permitted. The opener must not be used with doors without fall protection.

## 3. Qualifications of the Technician and Installer:

In order to guarantee safe and effective installation and operation, installation and maintenance should only be performed in full agreement with the installation instructions by a competent/qualified business or a competent/qualified person. A competent person is considered, in accordance with EN 12635, a person who possesses the suitable training, knowledge, and practical experience in order to mount, inspect, and service a door system properly and safely.

## 4. Safety instructions for installation, repair, maintenance, and disassembly of the door system **DANGER!**

### *Compensation springs are under high tension*

Adjusting or loosening the compensating springs can cause serious injuries! For your own safety, work on the compensating springs of the door and, if necessary, maintenance and repair, should only be performed by a qualified technician! Never attempt to replace, readjust, repair, or move the balancing spring for the counterbalancing of the door or their holders. Inspect the entire door system (pivots, door bearings, ropes, springs and fastenings) for wear and possible damage. Check for signs of rust, corrosion and cracks. Problems in the door system or misaligned doors can cause severe injury! Do not use the door system if repair or adjustment work is required!

### *Mains Voltage*

Danger! Risk of electrocution upon contact with the mains voltage. Please note the following instructions: Electrical connections may only be performed by a qualified electrician. Electrical installation on site must comply with the relevant safety regulations (230/240 V AC, 50/60 Hz).

Disconnect the opener before performing any work.

## **WARNING**

### *Non-suitable fittings*

Use of unsuitable fittings can result in the opener not being securely attached and becoming loosened. The supplied mounting materials must be checked for their suitability for the intended installation location by the installer.

### *Fatal injury from hand rope*

A guided type hand rope (pull cord) may lead to strangulation. Remove the pull rope/cord before installing the opener.

### *Risk of injury from unintentional door movement*

Improper installation or handling of the opener can trigger unwanted door movement and could result in people or objects being stuck, resulting in serious injury or death. Follow all instructions contained in this manual. Any incorrectly mounted control devices (such as push buttons) can trigger unwanted door movement resulting in persons or objects becoming stuck. Control devices must be mounted at a height of at least 1.5 m (away from children). Assemble fixed control devices (such as push buttons) within sight of the door but away from moving parts.

### *Risk of injury due to unexpected door movement*

Installation, maintenance, repair, and dismantling of the opener and the garage door must be carried out by a specialist(s). Upon failure of the garage door opener, immediately contact an expert for inspection or repair.

### *Safety advice for mounting*

During installation, the technician must ensure compliance with the applicable regulations regarding occupational safety and those governing the operation of electrical equipment. National guidelines must therefore be observed. Possible hazards, as defined in DIN EN 13241-1, will be avoided by the design and installation according to our specifications. The garage ceiling must be designed so that a secure attachment of the opener system is ensured. If ceiling material is too high or too lightweight, then the opener system must be attached to additional safety/security braces.

## **CAUTION!**

### *Crushing Risk by Boom Rail Mounting*

When assembling the boom rail, there is a danger that fingers can be caught. Take care not to get your fingers caught between the profile ends.

### *Pinching Risk in the Boom Rail*

Reaching into the boom rail while the door is moving may lead to pinching. Grasp only when the door is not moving on the boom rail.

## **5. Safety information for commissioning and operation**

## **CAUTION!**

### *Pinching Risk in the Boom Rail*

Reaching into the boom rail while the door is moving may cause pinching. Grasp only when the door is not moving on the boom rail.

### *Risk of injury by pull cord*

Hanging from the cord knob could cause the door to crash down, possibly resulting in injury. The opener could become dislodged and injure people underneath, or damaging or destroying objects. Do not hang from the pull cord.

## **WARNING!**

### *Risk of injury by rapidly closing door*

If the pull cord knob is pulled while the door is open, there is a risk that the door could close quickly because of weak, broken, or defective springs or due to faulty counterbalance mechanism. The pull cord should only be pulled while the door is closed.

### *Risk of injury during door movement*

While the door is moving, the risk of injury to persons or damage to objects is increased while standing in the movement area of the door. Keep door opener system and remote controls out of reach of children. Ensure that when the door is moving that no persons or objects are located within the door movement area. Only use the garage door opener when you have view of the garage door itself and can monitor its movement. Monitor the door travel until the door has reached the end position. Drive or pass through the garage door entryway ONLY when the door has come to a standstill! Never stand directly under the open door. Demonstrate to all persons using the door opener system the proper and safe operation of the garage door opener. Demonstrate and test the mechanical release as well as the safety return.

## **6. Precautions for the use of the remote control**

### **WARNING!**

#### *Risk of injury from unwanted or accidental door movement*

Accidental pressing of a button on the remote control can lead to unwanted door movements and lead to accidental injury. Make sure that remote controls are not accessible to children and are only used by persons who have been instructed in the operation of the remote-controlled garage door opener system! Only use the remote when you are in visual contact with the door unless a safety device is connected (e.g. photocell). Drive or pass through the garage door entryway ONLY when the door has come to a standstill! Never stand directly under the open door. Note that the accidentally pressing a key on the remote (for example in your pocket / handbag) may lead to an unwanted door movement.

## **7. Safety Installations**

Safety-related functions and components such as automatic power shutdown and the use of external photocells have been tested and meet the requirements of EN 12453 and EN 12445 standards.

### **WARNING!**

#### *Risk of injury from malfunctioning safety devices*

To test the safety reverse, hold the door as it closes with both hands. The garage door opener system must stop and initiate the safety reverse. Test this also as the garage door opens. The door system must switch off and stop the door movement. Should the security reverse malfunction, immediately contact an expert for inspection or repair.

## **8. Inspection and maintenance**

The garage door opener is maintenance-free. For your own safety, and according to manufacturer instructions, we recommend that you allow the garage door opener system to be inspected and serviced by an expert. A check or a necessary repair should only be performed by a specialist. Please also contact your supplier. A visual inspection may be carried out by the user. Check all safety and security features on a monthly basis. Existing errors or defects must be rectified immediately.

Inspect the tension of toothed belt every six months and adjust accordingly if necessary. During the opening and closing phase, the belt may loll briefly because of rail profile. However, this effect does not have any technical losses and also does not adversely affect the function and life of the belt.

# Warranty Conditions

## Warranty

We are exempt from the warranty and product liability if the opener has been modified without our prior consent or improper installations are performed or initiated against our assembly instructions. Furthermore, we assume no responsibility for the inadvertent or negligent operation of the opener, as well as for the improper maintenance of the opener and accessories, nor for the improper maintenance of the door and its counterbalance mechanism. Batteries, light bulbs, and LEDs are also excluded from the warranty claims.

## Duration of Warranty

In addition to the legal guarantee of the dealer from the purchase contract, we provide the following warranty from date of purchase:

- 3 Years
- 2 Years for radio and accessories

The warranty time cannot be extended using warranty claim. For replacement deliveries and rectification work, the warranty period is six months or at least the remainder of the warranty period.

## Conditions

The warranty applies only to the country where the product was purchased. The product must have been purchased through our authorized distribution channels. The warranty only covers damage to the contractual item itself. Reimbursement of expenditure for dismantling and installation, testing of corresponding parts, as well as demands for lost profits and damages are excluded from the guarantee. The receipt of purchase serves as proof of warranty.

## Performance

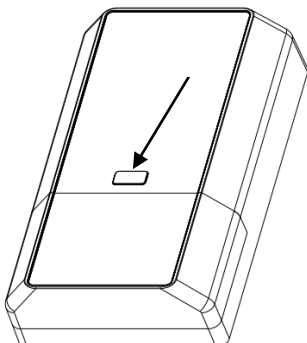
For the duration of the warranty, we shall resolve any defects of the product which are demonstrably attributable to a material or manufacturing defect. At our discretion, we shall, free of charge, replace the defective product for a non-defective product, repair or refund a diminished value. Excluded are damages caused by:

- Improper installation and connection
- Improper commissioning and operation
- External influences such as fire, water, abnormal weather conditions
- Mechanical damage due to accidents, dropping or shock
- Negligence or deliberate destruction
- Normal wear and tear or poor maintenance
- Repair by unqualified persons
- Use of non-original parts
- Removal or obscuring of the serial number
- Removal or cutting of the power (mains) cord.

Replacement parts will become property of the manufacturer.

## Product Description & Features

- 1. Automatic safety reverse**  
Automatic stop / automatic reverse to ensure the safety of children, pets, or property.
- 2. Soft start / Soft stop**  
Gently ramps speed up and down at the start and end of each cycle. Reduces stress on the door and opener, and makes for longer life and quieter operation of the motor.
- 3. Auto-Close (Photocell required)**  
Auto-Close ensures peace of mind and keeps your house secure by automatically closing the door after entering or exiting the garage.
- 4. Autonomous Force Learning**  
The opener automatically "learns" the amount of force required at each stage of opening and closing of your door.
- 5. Simple adjustment of the end positions**  
The end positions can be easily entered using the control panel.
- 6. Terminals for Accessories**  
Terminals are available to connect external controls, such as an indoor switch, or safety controls like signal lights, photocells (safety beam), wired or wireless wall switches, caution/warning lights, and key switches.
- 7. Energy saving LED**  
The courtesy LED light has a 3 minute delay, switching on with each cycle to illuminate your darkened garage.
- 8. Self-Locking gear motor**  
Schartec gear motors will self-lock with our disengagement systems, securing your garage against break-ins.
- 9. Manual release**  
Don't worry about power failure - the manual release system allows you to open the door at any time.
- 10. Transmitter technology**  
With Rolling-Code technology (7.38 x 10<sup>19</sup> Combinations) and 433.92 MHz frequency, the 4 channel remote control design allows you to control 4 different Schartec Move motors with one remote.
- 11. Lower headroom**  
With as little as 35mm required between the ceiling and the highest point of the door travel, the opener can be flush mounted for low headroom applications.
- 12. Metal bottom plate provides stability and security.**
- 13. Hidden Display**  
Provides attractive design and more protection for the inner workings.
- 14. Partial Opening**  
The opener can be opened part-way to ventilate the garage.
- 15. Integrated Push Button**  
On / Stop / Off (see below image)



# Pre-Installation Recommendations

## 1. Check the garage door and garage door system

### DANGER!

Balancing springs are under high tension. The readjustment or loosening of the balancing springs can cause serious injuries! For your own safety, necessary maintenance and repair work of the balancing springs should only be performed by an expert.

Never attempt to replace, readjust, repair, or move the balancing springs for the counterbalancing of the door or their holders. Check the entire door system (pivots, door bearings, ropes, springs and fastenings) for wear and possible damage. Check them for signs of rust, corrosion and cracks. Failures in the door system or misaligned doors can cause severe injury! Do not use the door system if repair or adjustment work needs to be done!

The construction of the opener is not designed to operate slow-moving doors, i.e. doors that can no longer or hardly be manually opened or closed. The door must be in a mechanically healthy state that is easy to operate by hand (EN12604). **Open the garage door approximately half way and let go. The door should maintain this position and move neither up nor down.** If the door moves in either direction, then there is the risk that either the balancing springs/weights are not properly adjusted or defective. In this case, increased wear and malfunctioning of the door is expected. Check that the door can open and close correctly. **Disengage/Remove any mechanical locks that may be on the door -- they are not needed with the use of the garage door opener.** These include in particular the locking mechanisms connected with the door. For installation and commissioning, check the illustrated section. Take note of the text in the appropriate sections.

## 2. Required Clearance

The clearance between the highest point of the door travel and the ceiling must be at least 35 mm. For a lower clearance height, and if space is available, the opener can be mounted behind the opened door. In these cases, an extended door link must be used and may be purchased separately. The necessary electrical outlet for the electrical connection should be mounted within approx. 50 cm from the opener (refer to the electrical mains chapter).

Check these dimensions!

Important note: As an additional safety device, the use of a photocell (safety beam) is recommended (sold separately).

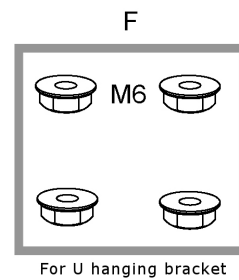
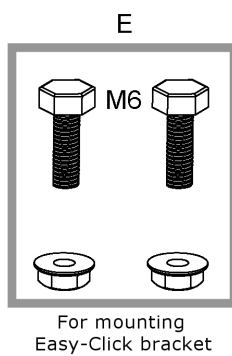
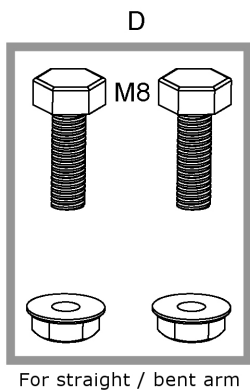
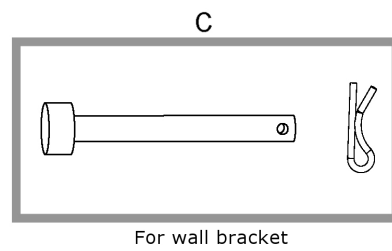
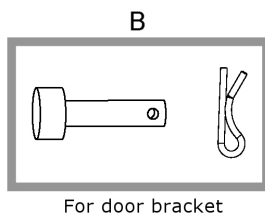
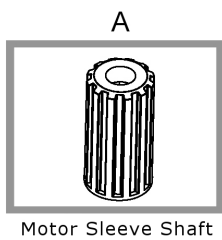
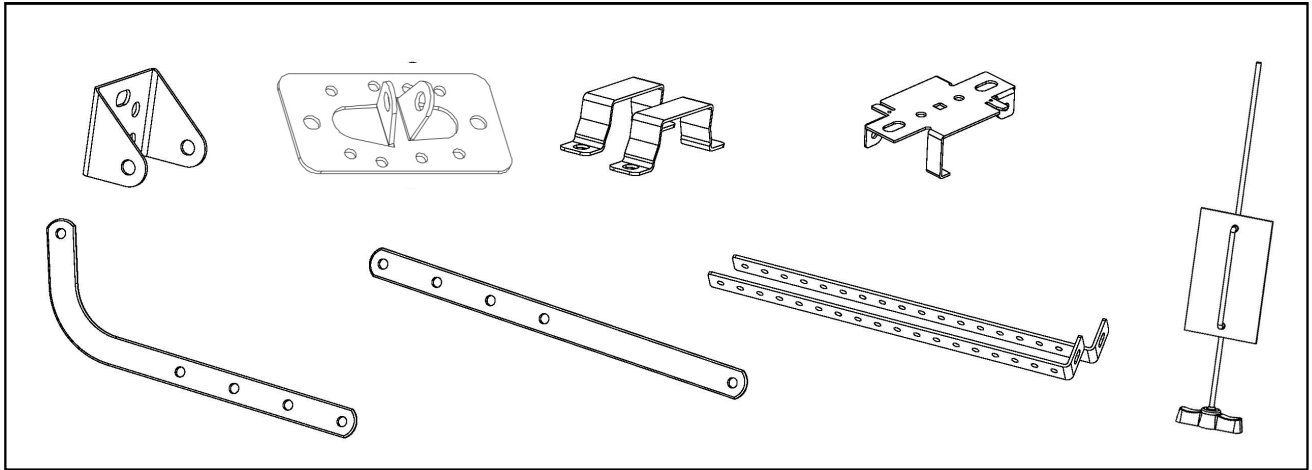
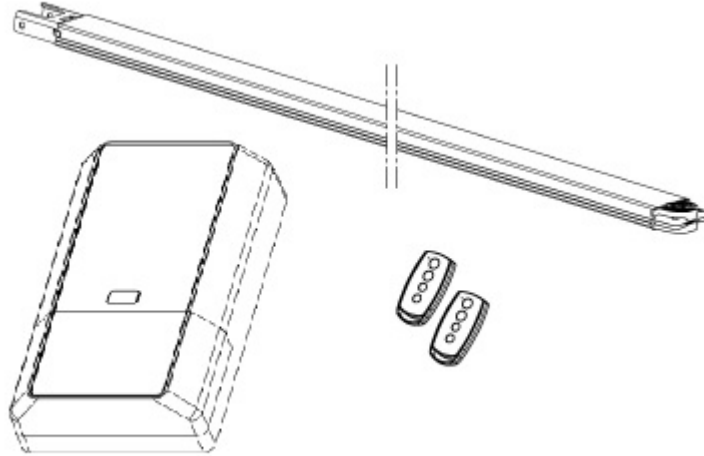
## 3. Emergency release

For garages without a second entrance, an emergency release for the mechanical release is necessary to prevent getting locked in the garage in the event of power failure. The emergency release is door-specific and must be ordered separately.

Check the function of the emergency release monthly.



# Package Contents



**\*Mounting screws and Anchors for the Door and Wall brackets are not included in the package.\***

# Installation Instructions

!!! You can find an extensive installation video at [www.schartec.de](http://www.schartec.de) !!!

## Requirements

A lintel of at least 35 mm and at most 400 mm is required to correctly mount the opener.

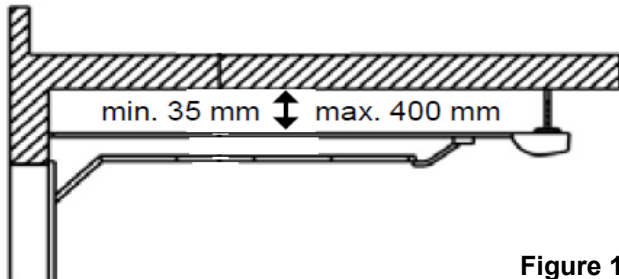


Figure 1

## Boom Rail Assembly

### 2 Part Boom Rail

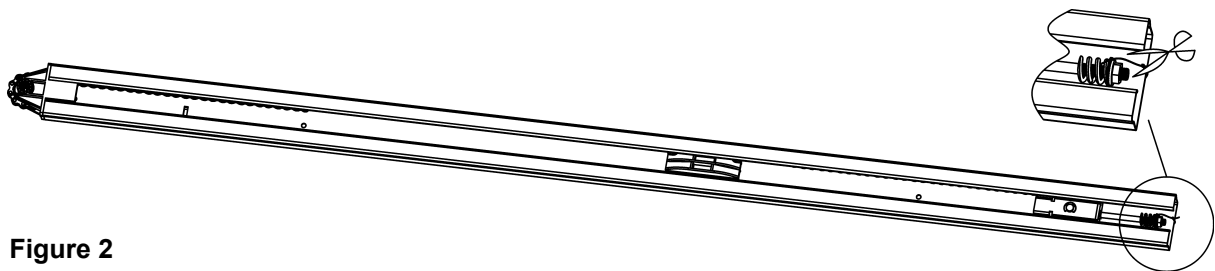


Figure 2

1. Separate the cable tie from the first section of the rail.

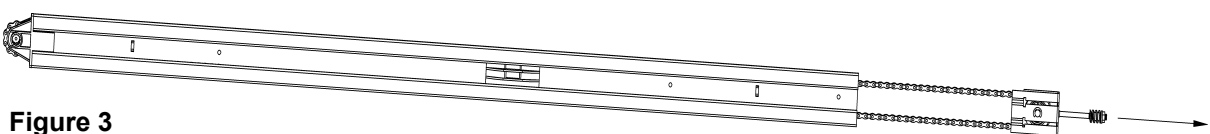


Figure 3

2. Pull the belt with the belt wheel out of the first section of the rail.

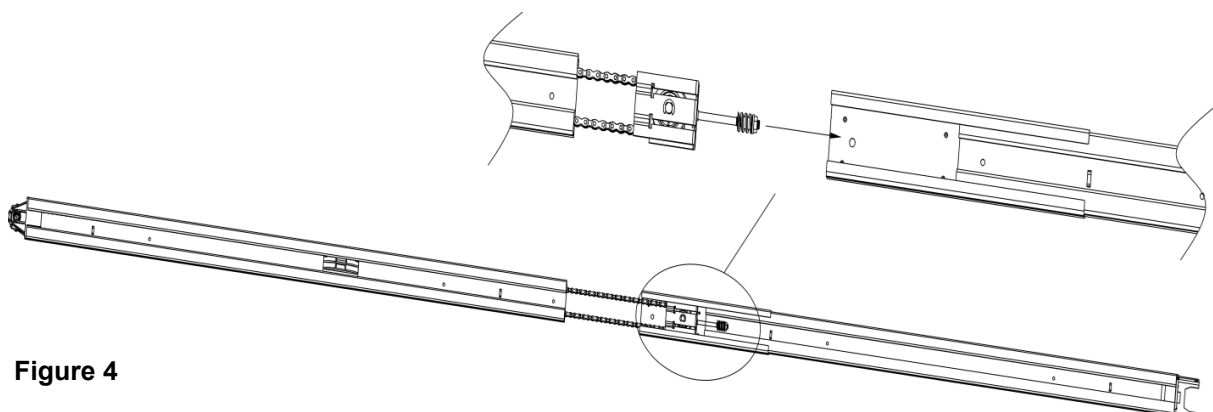
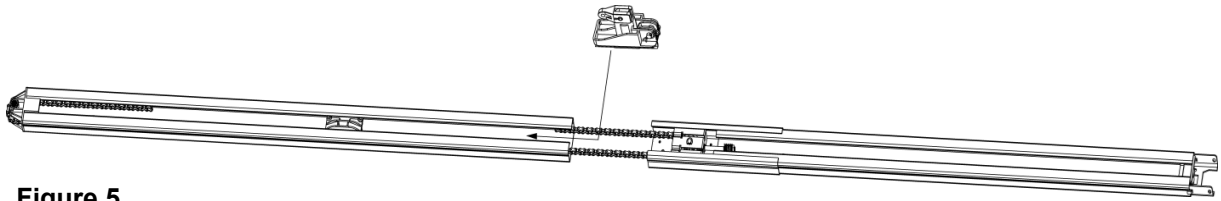


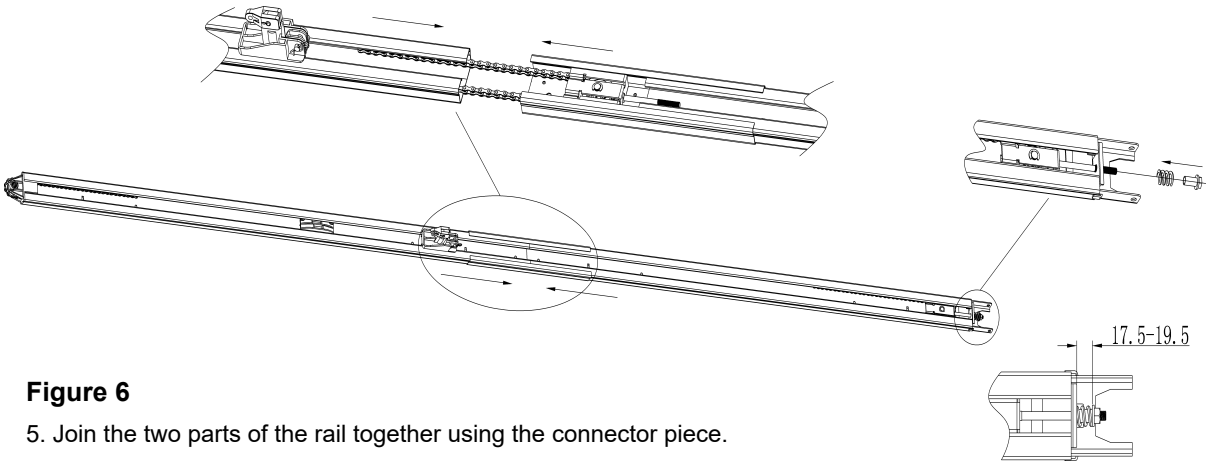
Figure 4

3. Slide the belt wheel with the toothed belt into the second section of the rail.



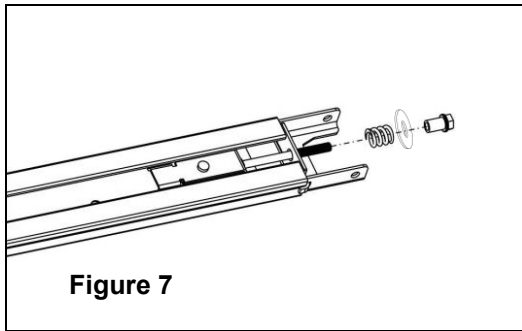
**Figure 5**

4. Now slide the trolley slider into the rail.

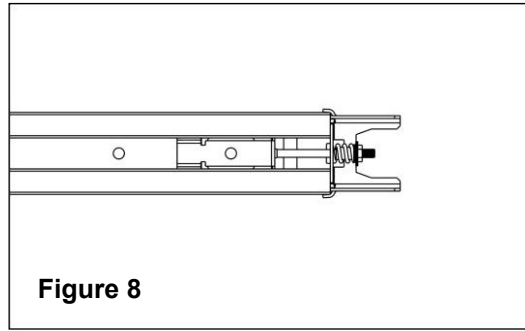


**Figure 6**

5. Join the two parts of the rail together using the connector piece.



**Figure 7**

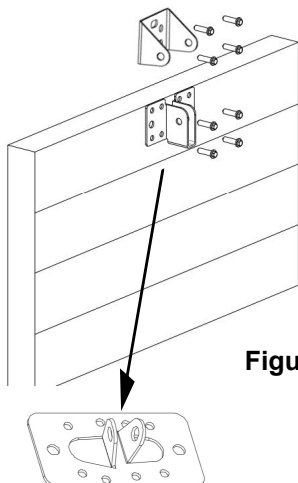


**Figure 8**

6. Put the threaded rod through the hole and run the spring, washer, and nut onto the threaded rod as shown in **Figure 7**. Before tightening the nut, check again that the belt is centered on the belt wheel on both ends.

7. Tighten the nut until the spring is almost entirely compressed, as in **Figure 8**. The boom rail assembly is now complete.

### **Mounting the wall bracket and door bracket (Figure 9)**



**Figure 9**

**Wall bracket** – Close the garage door and measure the garage door width at the top and mark the center. Locate and mount the wall bracket 2 cm - 15 cm above the door on the inside wall. (Depending on the actual installation space).

**Door bracket** – Attach the door bracket to a structural part of the door as close to the top edge as possible.

**\*Mounting screws and Anchors for the Door and Wall brackets are not included in the package.\***

## Installing the boom rail and opener

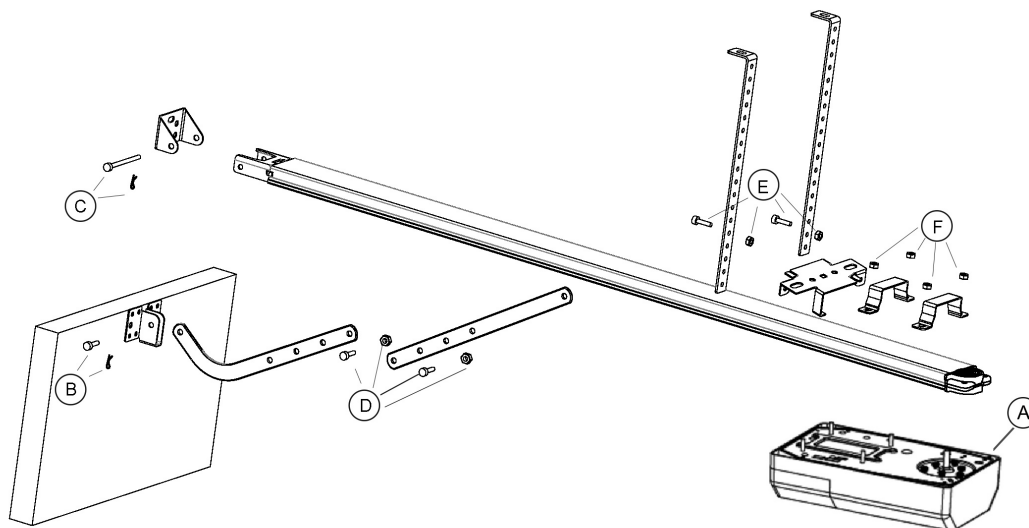


Figure 10

### Step 1 (Figure 10)

Attach the opener to the boom rail using the motor shaft sleeve (A). Secure the rail to the opener with the 2 "U" brackets and the 6 mm nuts (F) supplied.

### Step 2 (Figure 10)

Place the boom rail and opener assembly centrally on the garage floor with the opener opposite the garage door. Lift the front of the rail up to the wall bracket. Insert the clevis pin and secure it with the split pin supplied (C).

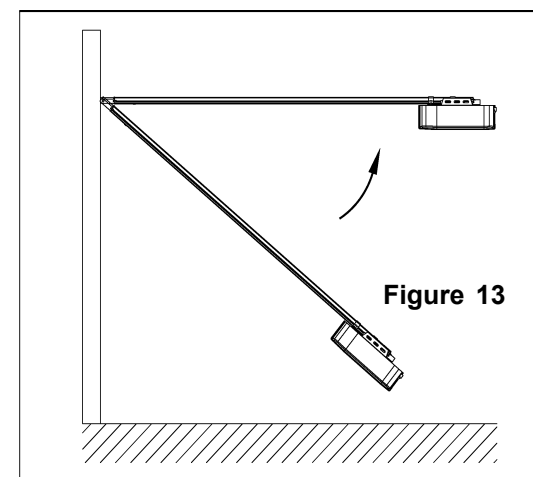
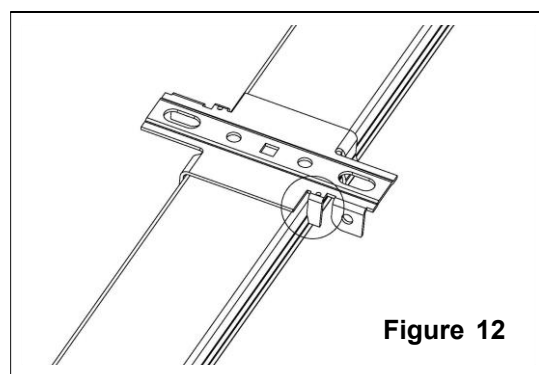
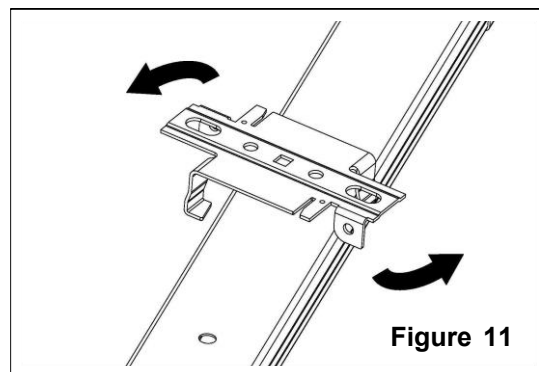
### Step 3 (Figure 11 und 12)

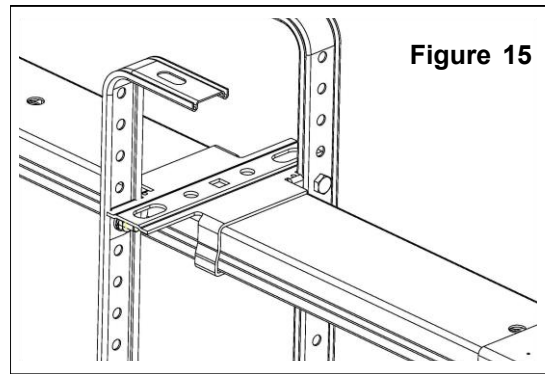
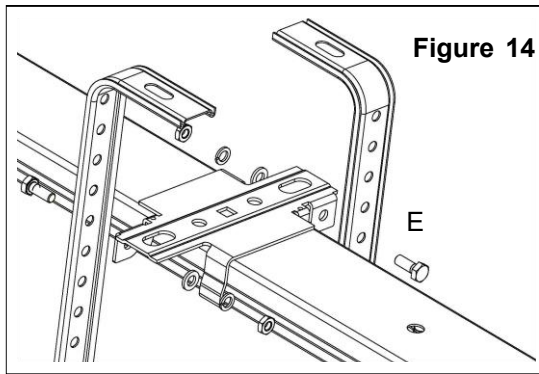
Place the Easy-Click bracket anywhere along the rail. Position it where you would like to mount the boom to the ceiling (generally towards the motor end). Once the bracket is in position, twist until the bracket 'clicks' into position like in Figure 12, then bend the 2 side pieces under to secure the bracket to the boom (also in Figure 12).

### Step 4 (Figure 13)

Lift and support the opener with a ladder so it is positioned centrally and level.

**WARNING: Do not allow children around the door, opener or supporting ladder -- serious injury and/or damage may result from failure to follow this warning.**

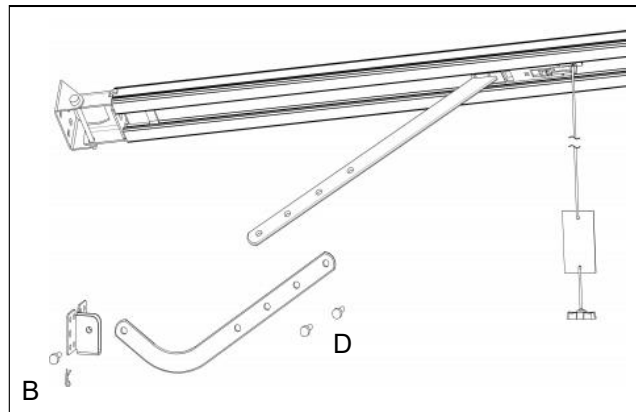




**Step 5** (Figure 14 und 15)

With the boom rail securely positioned on your ladder, attach the Easy-Click bracket to the ceiling mounted extension pieces with the nuts and bolts (E) provided.

**\*Mounting screws and Anchors for the ceiling hangers are not included in the package.\***



**Figure 16**

**Step 6** (Figure 16)

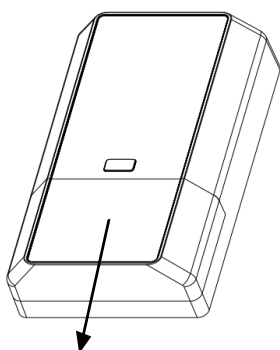
Slide the trolley towards the closed garage door. Attach the straight arm and curved arm pieces with the provided nuts and bolts (D). Position and bolt the arms to the top edge of the door using the clevis pin and clip (B) supplied.

**Step 7**

Lift the garage door until the trolley locks into the drive belt. The opener is now ready to be programmed.

**Remove the hood/cover of the opener.**

To get to the display for programming the door operator, remove the transparent cover by pushing it forward by hand (see figure below).

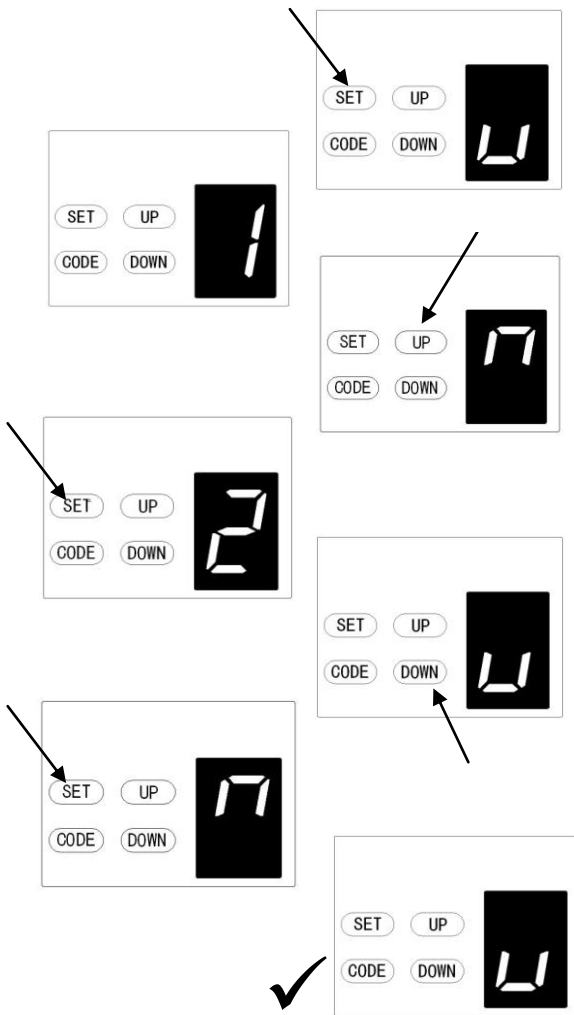


**ATTENTION!** Once you plug your garage door opener into the electrical socket, then it will perform a self test. In this phase, the display will show the following string of symbols:

**9-8-0-1** and directly after counting down **9-8-7-6-5-4-3-2-1-0-U**

The opener is now ready for programming.

# Programming Instructions



## 1. Programming Opening and Closing Limits

a) Press and hold **SET** button until **1** appears on the display, then release the button.

The opener is now in Programming Mode.

b) Press and hold the **UP** button until the door reaches the desired open position.

**NOTE:** Fine adjustments can be made by toggling the **UP & DOWN** buttons.

c) Now press and release the **SET** button to confirm the position. The display will now indicate the number **2**.

d) Next press and hold the **DOWN** button until the door reaches the desired closed position. For fine adjustments toggle the **UP & DOWN** buttons.

e) Now press and release the **SET** button to confirm the closed position.

**CAUTION:** The door will now cycle the open and close phases to set the travel limits and force sensitivity adjustments. Upon completion, the display will show 2 short stripes and the opener is ready for normal operation.

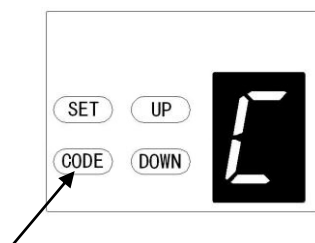
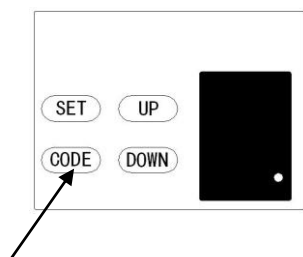
## 2. Programming Remote Controls

**NOTE:** The remote controls that are supplied with the garage door opener should be pre-programmed. If not, please follow directions below.

a) Press the **CODE** button on the opener. A dot (.) will be indicated in the corner of the display.

b) Now press and release the button on the remote you want to use, wait 2 seconds, then press and hold the same button for 2 seconds.

The dot (.) on the display will flash to confirm the code, then turn off and return the 2 short stripes. Repeat the process for additional remotes that need to be stored.



## 3. Deleting Stored Remote Controls

Press and hold the **CODE** button until a **C** is indicated on the display. All stored remotes will be deleted.

#### 4. Obstruction Force Adjustment (Menu option 3 in display)

**CAUTION:** the obstruction force adjustment is set automatically during programming. Normally, no adjustment is necessary.

The factory-set forces (value 2) are designed to provide a smooth operation of the opener with standard garage doors; the factory setting forces should, in principle, be sufficient to fully open and close the garage door.

The factory setting of the opener complies with the legal or relevant standards (such as the EN 13241-1, EN 12453, EN 60335-2-95) established requirements for operational forces, and thus the maximum allowable power limits.

The operating force of the opener may be increased or decreased (values 1 - 3), if necessary, by the following procedure below.

#### NOTE

This must be done when, for example, the end-stop point of the garage door during the opening or closing phase via the factory setting (value 2) is not met; the setting for the force output can be increased (as described below) so that the the respective end-point is reached.

In addition, during the operational period of the garage door, the operational optimality may deteriorate (e.g. slackening of tension springs). Therefore, for safety reasons, adjusting force of the opener on an unsound garage door could result in a malfunctioning door, thus increasing the risk of personal injury or property damage -- this risk is especially increased when activating the manual release of the garage door from the opener.

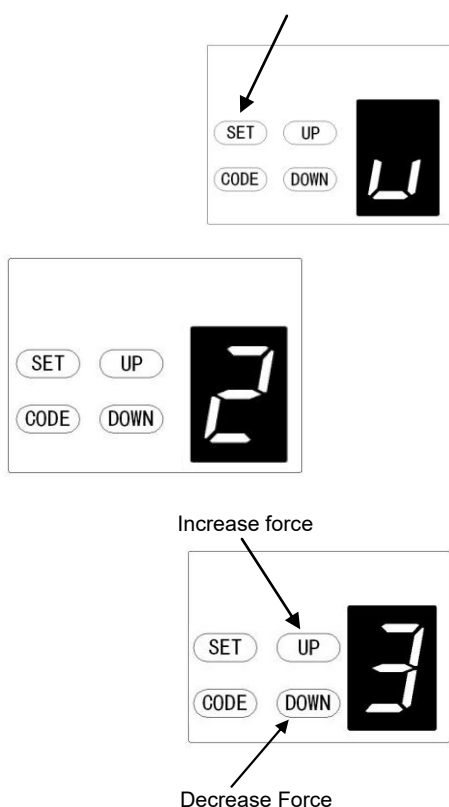
#### DANGER

Deviating/Increasing the factory force setting (value 2) can lead to serious personal injury, up to the danger of life as well as property damage! Altering the factory force setting increases the pressure exerted by the opener when opening and closing the garage door, thus increasing the force that the garage door exerts in each respective phase. When changing or differing from the factory settings, the risk of severe injury to persons up to the danger of life as well as the risk of damage to property is increased - for example, by pinching or squeezing persons or things near the garage door. Differing from the factory settings, increasing the power setting to exceed the aforementioned maximum allowable limit can cause power limitations.

Therefore:

#### NOTE:

**Adjusting the factory force setting (value 2 to an alternate value (value 1-3 must be ensured to be compliant with the legal requirements and relevant standards of force limitations by a competent person. Inspections must be performed and documented to the described risk of injury and exclude life and property.**



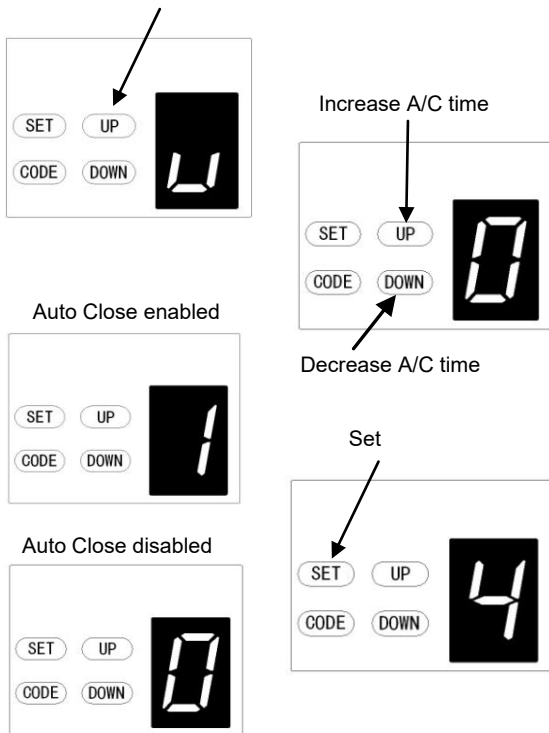
a) Press and hold the **SET** button until **3** appears on the display, then release the button.

The opener is now in force adjustment mode.

b) Press the **UP** button to increase the force setting or the **DOWN** button to decrease the force setting. The maximum force is **3** and the minimum is **1**.

c) Press **SET** to confirm your setting

**NOTE:** The factory force setting is **2**.



) "5 i lca UjW7`cg]b[

BCH9 kCj @ d &||G æ^c Èä @s^æ DÄ `•ó^&[ ]}^&çáâ Ä!â!Á  
 ç Á•^Á@æ ç { æB&[•q\*Á`}&ç} È

æDÚ!^••Ä ä@|ä@Á DÄ` ç} Á} çäæ[ ]^æ•Ä} Ä@Á  
 äã] æÈP[, Ä!^••Ä@Á DÄ` ç} Ä! äab•ó@æ ç { æBÁ  
 &[•^Ä Ä q`ç•È

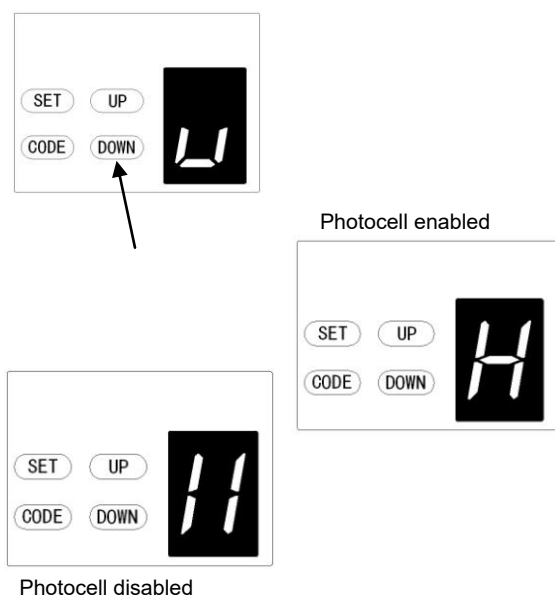
àDÚ!^••Ä D`ç Ä &^æ^Ä@Ä Ä!|BCK BÄ Ä!, ^!Ä@Ä Ä È

H YAU ja i a 'hja Y]g'- 'a ]bi Hg"Hc`X]gUV`Y5 i lç'7`cgYž  
 gYihja Ylç`nyfc`fL"

&DÚ!^••Ä@Ä G9H`ä ç} Ä! &[ ]-ä{ Ä[ `!Ä^!&çáÄ Ä È



**Automatic Close is only possible in conjunction with a photocell !**



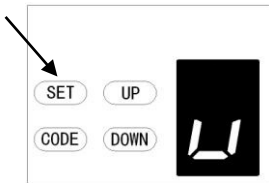
\* "D\ ctcW`g`fgUZfmiVYUa Ł

**NOTE:** Make sure the photocell has been correctly installed and uses Normally Closed contacts to the accessory terminals of the opener (Figure 18).

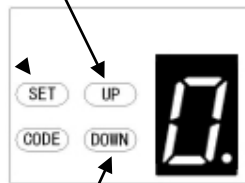
**Also note that the photocell function must be disabled if NO photo beams are fitted, otherwise the door cannot be closed, and the LED will blink as an indication.**

- Press and hold the **DOWN** button until **11** appears on the display. To enable the photocell option, press **UP** again, the display will indicate an **H** (enabled) or press **DOWN** button to disable photocells (**11** will be displayed).
- Press **SET** to confirm your choice.

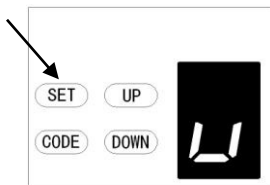




Partial Opening increase



Partial Opening decrease



## 8. Partial Opening / Ventilation

- a) Press and hold the **SET** button until **5** appears on the display, then release. The display now shows the number **0** (factory setting for partial opening).
- b) Now press the **UP** button to activate the Partial Opening and to increase the setting. Press the **DOWN** button to decrease the Partial Opening or to deactivate (**0-9**)

**0 = Partial Opening deactivated**

**1 = Partial Opening 30 cm (lowest)**

**2 = Partial Opening 60 cm**

**3 = Partial Opening 90 cm**

**4 = Partial Opening 120 cm**

**5 = Partial Opening 150 cm**

**6 = Partial Opening 180 cm**

**7 = Partial Opening 210 cm**

**8 = Partial Opening 240 cm**

**9 = Partial Opening 270 cm (highest)**

- c) Press the **SET** button to confirm.

### CAUTION!

- If Partial Opening is activated, button **4** (bottom right) on the remote activates the Partial Opening.
- The maximum possible Partial Opening values shown in the menu will be dependant on the complete height of the opening. That means e.g. the number **9** will only be shown if the maximum opening of the gate is greater than **270 cm**.

## External control and accessories connections

1. The O/S/C connection – Figure 17

Add a new O/S/C button to open or close the door (e.g. key-switch or interior push-buttons).

2. The Photocell connection – Figure 18

Connecting a photocell increases the safety surrounding your garage door mechanism.

**IMPORTANT!** Remove the bridge in the connection row if you use a photocell, and make sure to review its function before use.

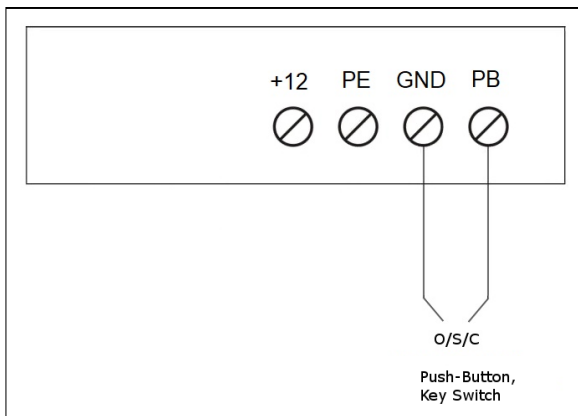
3. Anschluss Warnleuchte – Figure 19

Es gibt entsprechende Schnittstellen für den Einsatz einer Warn-Blindeleuchte. Schließen Sie das Warnlicht (DC 24V-28V, Strom  $\leq 100\text{mA}$ ) an. Beim Einsatz einer AC 220 V Warn-Blindeleuchte müssen Sie einen Transformator einsetzen. There are correlating interface ports for the use of flashing hazard lights. Link the hazard lights (DC 24V-28V, max. 100mA). When using AC 220 V flashing hayard lights, a transformer must be used.

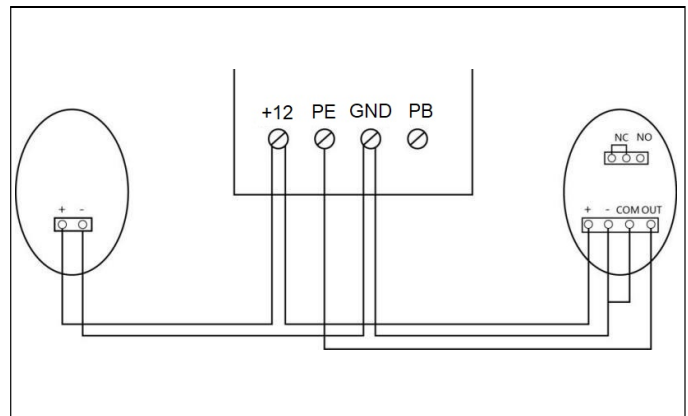
4. Wicket Door (door-in-door) – Figure 20

For garage doors that have a built-in "pass" or "wicket" door. This function ensures that the garage door can't be opened unless the small pass door is closed.

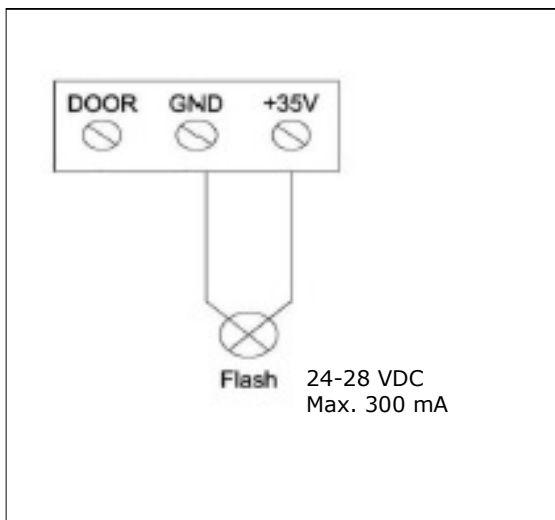
**IMPORTANT!** Remove the bridge in the connection row if you use a wicket door, and make sure to review its function before use,



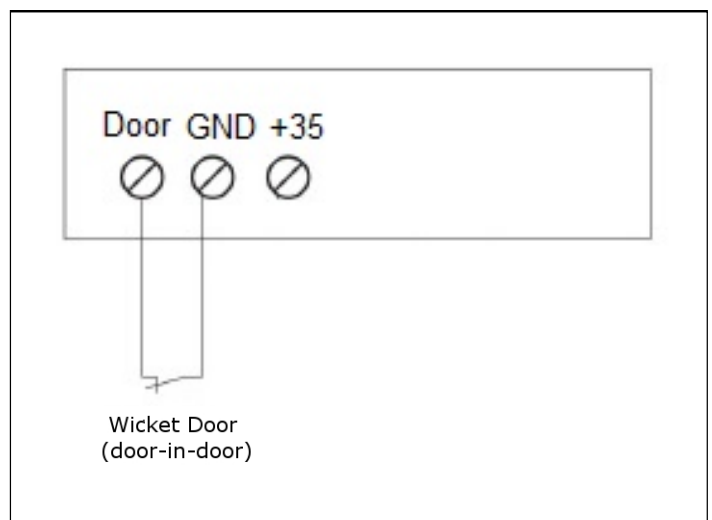
**Figure 17**



**Figure 18**



**Figure 19**



**Figure 20**

## Manual Disengagement

### Attach warning label

Attach the warning about the risk of entrapment in a permanently prominent, clean place. For example, near the permanently installed buttons used to open and close the garage door opener.

The opener is equipped with a manual release cord to disengage the trolley and enable moving the door by hand while holding the handle down (Figure 21). Pull on the handle to disengage the trolley. To re-engage the door simply run opener in automatic mode or move door by hand until the trolley re-engages to the belt drive.

In situations that a pedestrian door is not installed or available (2nd entrance to garage), it is recommended that an external disengagement device should be fitted (not supplied) (Figure 22).

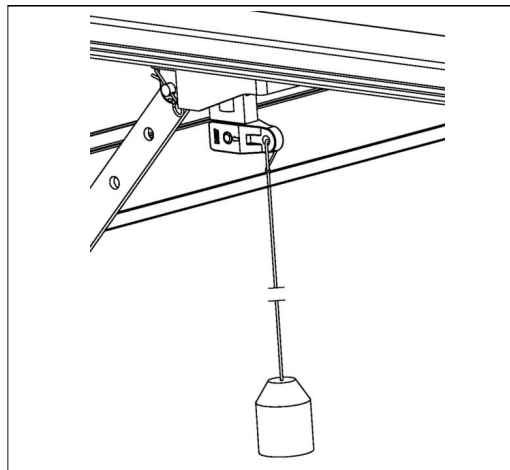


Figure 21

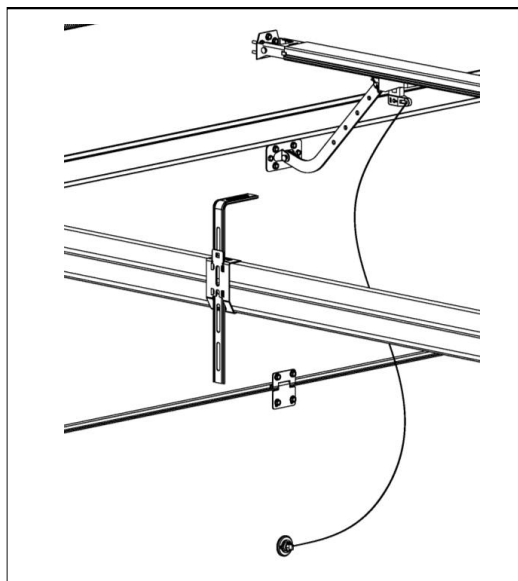
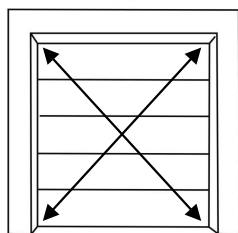


Figure 22

## Technical Specifications

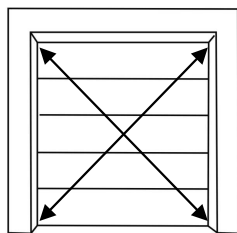
	<b>Move 600</b>	<b>Move 1000</b>	<b>Move 1200</b>
Input voltage	220 - 240V, 50–60 Hz		
Max. pull force	600 N	1000 N	1200 N
Max. door area	10.0 m <sup>2</sup>	14.0 m <sup>2</sup>	16.0 m <sup>2</sup>
Max. door weight (Balanced)	100 kg	140 kg	160kg
Max. door height	2400 - 3500mm	2400 - 3500mm	2400 - 3500mm
Drive mechanism	Belt	Belt	Belt
Opening / Closing Speed	160mm / Second	160mm / Second	140mm / Seconc
Power Input	200 W	245 W	260 W
L.E.D	24V / DC		
Limit setting	Electronic	Electronic	Electronic
Transformer	Overload protection technology		
Radio frequency	433,92 MHz	433,92 MHz	433,92 MHz
Coding Format	Rolling Code		
Remotes Included	2 X	2 X	2 X
Code Storage Capacity	20 different remote controls		
Caution light terminal	Included.	Included.	Included.
Working temperature	-20°C - +40°C	-20°C - +40°C	-20°C - +40°C
Safety Protection	Soft start & Soft stop, photocell option, caution light option		
Protection level	IP20	IP20	IP20

Move 600



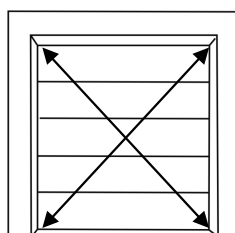
max door area ≤ 10,0 m<sup>2</sup>

Move 1000

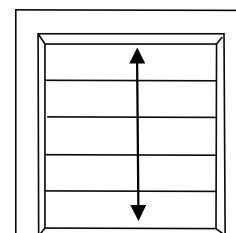


max door area ≤ 14,0 m<sup>2</sup>

Move 1200



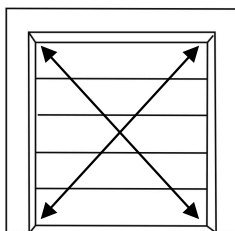
max door area ≤ 16,0 m<sup>2</sup>



Standard door area: 2400 mm  
Max. door height: 3500 mm

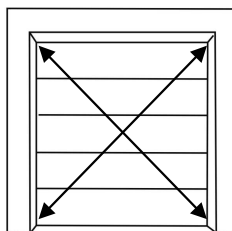
	<b>Move 600-Speed</b>	<b>Move 1000-Speed</b>
Input voltage	220 - 240V, 50-60 Hz	
Max. pull force	600 N	1000 N
Max. door area	10.0 m <sup>2</sup>	14.0 m <sup>2</sup>
Max. door weight (Balanced)	80 kg	100 kg
Max. door height	2400 - 3500mm	2400 - 3500mm
Drive Mechanism	Belt	Belt
Opening / Closing Speed	<b>200mm / Sec</b>	<b>200mm / Sec</b>
Power Input	200 W	245 W
L.E.D	24V / 15 pcs LED Bulbs	
Limit setting	Electronic	Electronic
Transformer	Overload protection technology	
Radio frequency	433,92 MHz	433,92 MHz
Coding Format	Rolling Code	
Remotes Included	2 X	2 X
Code Storage Capacity	20 different remote controls	
Caution light terminal	Included	Included
Working temperature	-20°C - +40°C	-20°C - +40°C
Safety Protection	Soft start & Soft stop, photocell option, caution light option	
Protection level	IP20	IP20

Move 600-Speed

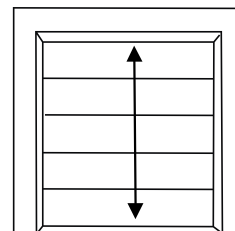


max Door Area ≤ 10,0 m<sup>2</sup>

Move 1000-Speed













max Door Area ≤ 14,0 m<sup>2</sup>



Standard Door Height: 2400 mm  
Max. Door Height: 3500 mm

## Common Faults & Solutions

Fault appearance	Fault cause	Solutions
Nothing working on opener LCD screen not very bright	1. Power supply 2. Plug wire is loose	1. Check whether the electrical socket is has power 2. Check if the external Fuse is broken ※ 3. Check whether the low-voltage wire of transformer is connected to the power board 4. Check whether the ribbon cable is plugged in ※ 5. Check whether there is 26v AC at the transformer low-voltage side, if there is 26v AC, replace the PCB. If not, replace the transformer
Door stopping in incorrect position	System error	Re-run the learning of opening and closing limits -- See Programming Instructions
While learning, the display shows 	Door travel less than 30cm or more than 9m	Re-run the learning of opening and closing limits -- See Programming Instructions
Display shows  Opener does not work or has stopped working.	1. Insufficient voltage 2. Damaged control panel board	1. Check the power supply 2. Replace control panel board ※
Display shows  or 	Unbalanced door spring or problem with door mechanism	※ Rebalance the spring or repair door mechanism
Opener is not working. Display shows 	Failed to learn the up and down limit setting or improperly learned the up and down limit setting	Re-run the learning of opening and closing limits -- See Programming Instructions
LED is always on	The control panel is broken or the power supply board is broken	※ Replace the control board or power board
Opener stops automatically after running ~10cm. Display shows 	1. Hall sensor wire is loose or damaged 2. The wires between gear motor and board are plugged inversely	※ 1. Open the cover, check the Hall sensor wire, re-plug or replace. 2. Power off firstly, open the cover and reverse the plug red and green wires from the gear motor to the board. ※ Re-set opening & closing limits.
Opener does not work. The relay 'clack' sound is heard. Display shows 	The wire between gear motor and board is loose	※ Open the cover and check the wire between gear motor and board
Door moves up only and will not close. Display shows 	Photocell function is activated.	1. Turn off the photo cell function if photocell device no connected -- See Programming Instructions 2. Ensure the photocell is connected correctly and not obstructed.
The door is fully open and automatically closes after some time. LED lights flash 4 times.	Automatic closing function is turned on (this is function is only usable when a photocell is connected, the photocell function is activated, and the photocell is not obstructed.	Change the automatic closing time or turn the automatic closing function off -- See Programming Instructions.
<b>NOTE: In accordance with EN 12635, solutions marked with «※» are only to be performed by a competent / qualified person.</b>		

Fault appearance	Fault cause	Solutions
LED lights do not work	<ol style="list-style-type: none"> <li>1. The LED wire is not plugged in</li> <li>2. The LED is broken</li> <li>3. The circuit board is broken</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the LED wire</li> <li>2. Replace the LED</li> <li>※ 3. Replace the circuit board</li> </ol>
Door is automatically reversed to the upper limit before the door closes completely	Motor automatically reverses because of the safety reverse function. Generally result of unbalanced door springs or defective door mechanism.	<ol style="list-style-type: none"> <li>※ 1. Rebalance the spring or repair door mechanism. Re-set opening &amp; closing limits.</li> <li>2. Increase obstruction force adjustment -- See Programming Instructions.</li> </ol>
Door automatically stops while opening	Motor automatically stops because of the safety obstruction function. Generally result of defective door mechanism or something is blocking its travel.	<ol style="list-style-type: none"> <li>※ 1. Repair door mechanism or remove obstruction. Re-set opening &amp; closing limits.</li> <li>2. Increase obstruction force adjustment -- See Programming Instructions.</li> </ol>
Remote control not working or the operational distance is short	<ol style="list-style-type: none"> <li>1. Dead battery</li> <li>2. Antenna is loose or not well extended</li> <li>3. Interference between remote/receiver</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace battery</li> <li>2. Extend the antenna on the opener</li> <li>3. Remove interference</li> </ol>
Cannot code in new remotes	New remote control is not compatible with opener	Use only remote controls approved by Schartec
Cannot code in new remotes Display shows 	Stored remote code is full	Delete all stored codes -- See Programming Instructions.
While in standby mode, Display shows 	Wicket door (door-in-door) function is active	Check the wicket door (door-in-door) connection
The opener is working however the door is not moving	Motor shaft sleeve worn	※ Replace the motor shaft sleeve
Other abnormal issues	External devices are not compatible with the opener	※ Remove all external devices. If abnormal issues still persist, replace the circuit board.

**NOTE: In accordance with EN 12635, solutions marked with ※ are only to be performed by a competent / qualified person.**

# Instructions for shortening the Boom Rail

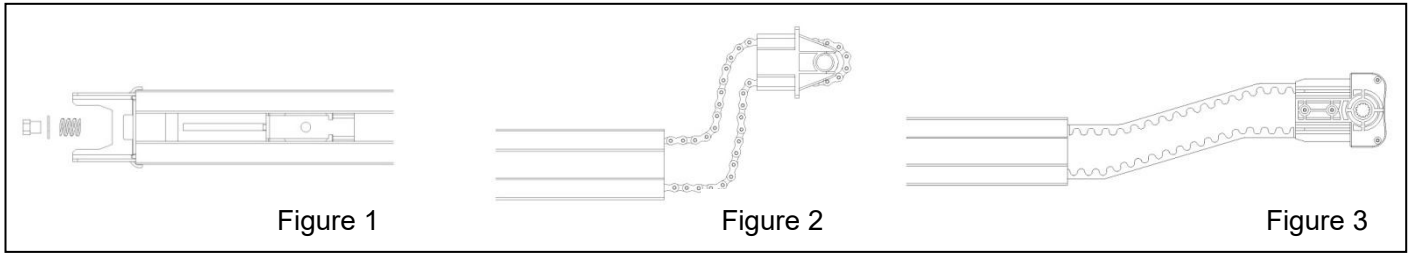


Figure 1

Figure 2

Figure 3

**Step 1:** Remove the rail end. (Figure 1)

**Step 2:** Remove the rail head. (Chain – Figure 2, Belt – Figure 3)

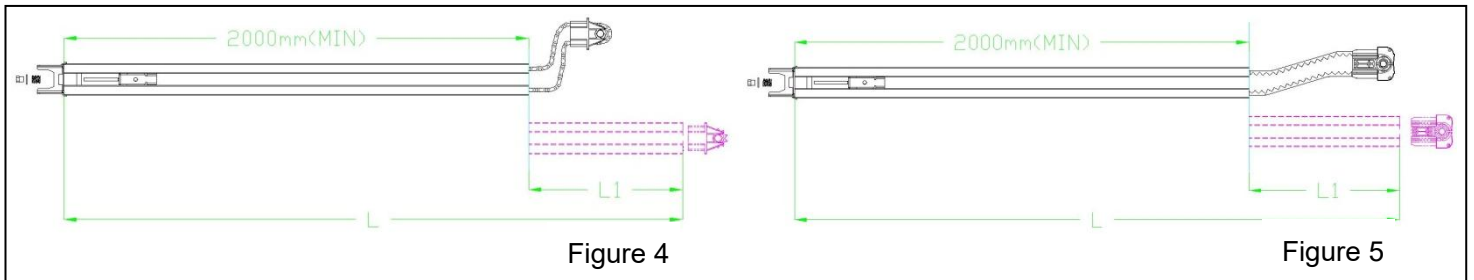


Figure 4

Figure 5

**Step 3:** Cut the rail from the head side to the desired length. (Chain - Figure 4, Belt - Figure 5)

**Remark:** Cut L1 to a max. so that L is min. 2000mm (L1 = The cut length of rail, L = The whole length of rail)

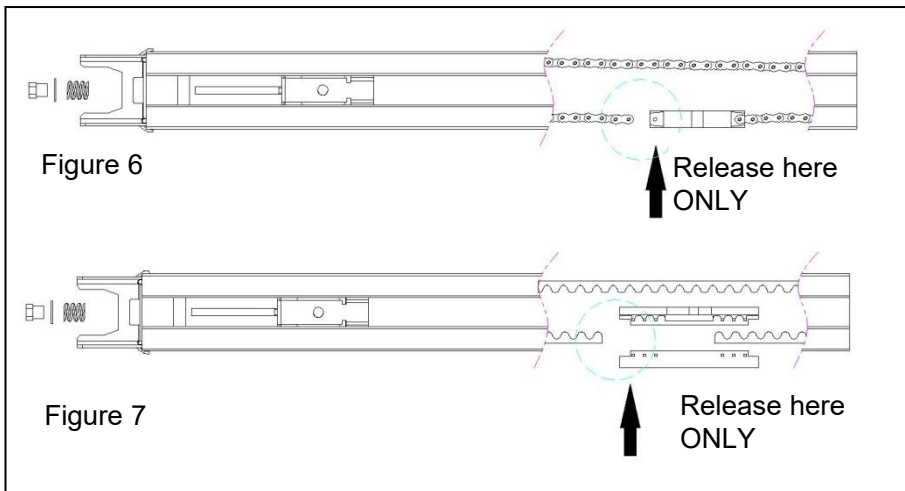


Figure 6

Release here ONLY

Figure 7

Release here ONLY

**Step 4:** Release the Chain or Belt from the trolley latch.

(Chain - Figure 6, Belt - Figure 7)

**Remark:** Only release the Chain or Belt from the side which is exactly like Figure 6 & Figure 7.

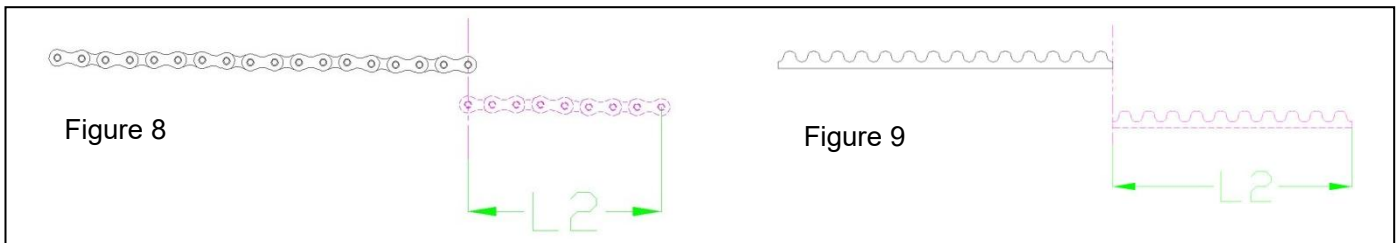


Figure 8

Figure 9

**Step 5:** Cut the Chain or Belt. (Chain - Figure 8, Belt - Figure 9)

**Remark:**  $L2 = L1 \times 2$  (L2 = The cut length of Chain or Belt, L1 = The cut length of rail)

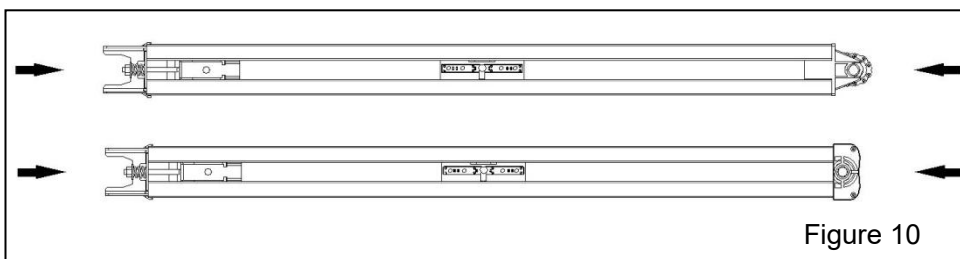


Figure 10

Step 6: Reassemble the rail.



# ASSEMBLY DECLARATION

for the assembly of an incomplete machine  
in accordance with the Machinery Guidelines 2006/42/EG,  
Attachment II Part B

## Schartec

a brand of bau-shop-24 GmbH

Fritz-Müller-Strasse 115

73730 Esslingen, Germany

declares hereby, that the gate openers  
**Move 600/ 600 Speed/ 1000/ 1000 Speed/ 1200**

were in agreement with the

- Machinery Guidelines 2006/42/EG
- Low-Voltage Directive 2014/35/EU
- Directive for Electromagnetic Compliance 2014/30/EU
- RoHS Guideline 2011/65/EU

developed, constructed, and produced

The following standards were used:

- EN 60335-1, where applicable (Safety of elec. devices/openers for gates)
- EN 61000-6-3 (Electromagnetic compatibility)
- EN 61000-6-2 (Electromagnetic compatibility)
- EN 12453:2000 Paragraph 5.2 (Usage safety of power-operated gates)
- EN 60335-1:2012 (Safety of electronic devices)
- EN 60335-2-95:2015 (Safety of electronic devices)
- EN ISO 13849-1:2008 (Sicherheit von Maschinensteuerungen)

The following requirements of the Machinery Guideline 2006/42/EG were adhered to: 1.1.2, 1.1.3, 1.1.5, 1.2.1, 1.2.2, 1.2.3, 1.2.4, 1.2.6, 1.3.2, 1.3.4, 1.3.7, 1.5.1, 1.5.4, 1.5.6, 1.5.14, 1.6.1, 1.6.2, 1.6.3, 1.7.1, 1.7.3, 1.7.4

The corresponding technical documents will be transmitted electronically at the request of the agencies.

The incomplete machine is only specified for installation in a gate system, in order thereby to create a complete machine according to the Machinery Guideline 2006/42/EG. The gate system may first be in operation when it corresponds to the above-mentioned guidelines.

Esslingen, 08.11.2019

bau-shop-24 GmbH  
Thomas Scharpf (Geschäftsführer)



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