

INTELLIGENT DRIVES & CONTROLS FOR SHUTTERS AND AWNINGS



INSTALLATION & OPERATING INSTRUCTIONS

Instructions and notes for installation and operation



Smart Home Ready with everHome
Control via smart phone, tablet, PC or via
voice commands with Alexa or Google Assistant

3T-MOTORS® Radio shutter / awning motors with electronical limit switches

Motor type 3T45-RB
(For shafts from 60 mm)

3T45-10RB
3T45-20RB
3T45-30RB
3T45-40RB

Motor type 3T35-RB
(For shafts from 40 mm)

3T35-10RB
3T35-13RB

Attention:

It is important for the safety of persons
to follow these instructions.
Keep these instructions for future reference.



3T-MOTORS® Radio shutter motors / Radio awning motors with electronic limit switches

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GUIDELINE

With this guide, you can determine the ideal torque in Newton meters (Nm) for the shutter motor.

DETERMINE WEIGHT ROLLER SHUTTER

1.) Determine roller shutter area

$(\text{Height} + 150 \text{ mm}) \times \text{Width} = \text{Roller shutter area (m}^2\text{)}$

2.) Determine weight roller shutter material

Take approximate weights per m² of roller shutter area from the table.

3.) Determine weight roller shutter

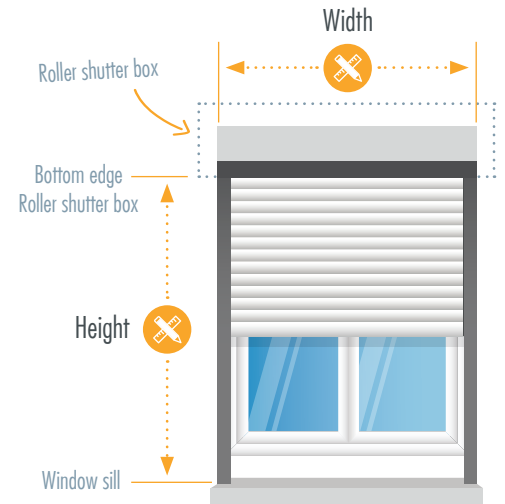
$\text{Roller shutter area (m}^2\text{)} \times \text{weight roller shutter material (m}^2\text{)}$

4.) Calculate required traction force

Friction losses must be taken into account

(rail guidance) of approx. 10%!

Material	kg / m ²
PVC	5
Aluminum Light	6
Aluminum Heavy	9
Steel	11
Wood	11

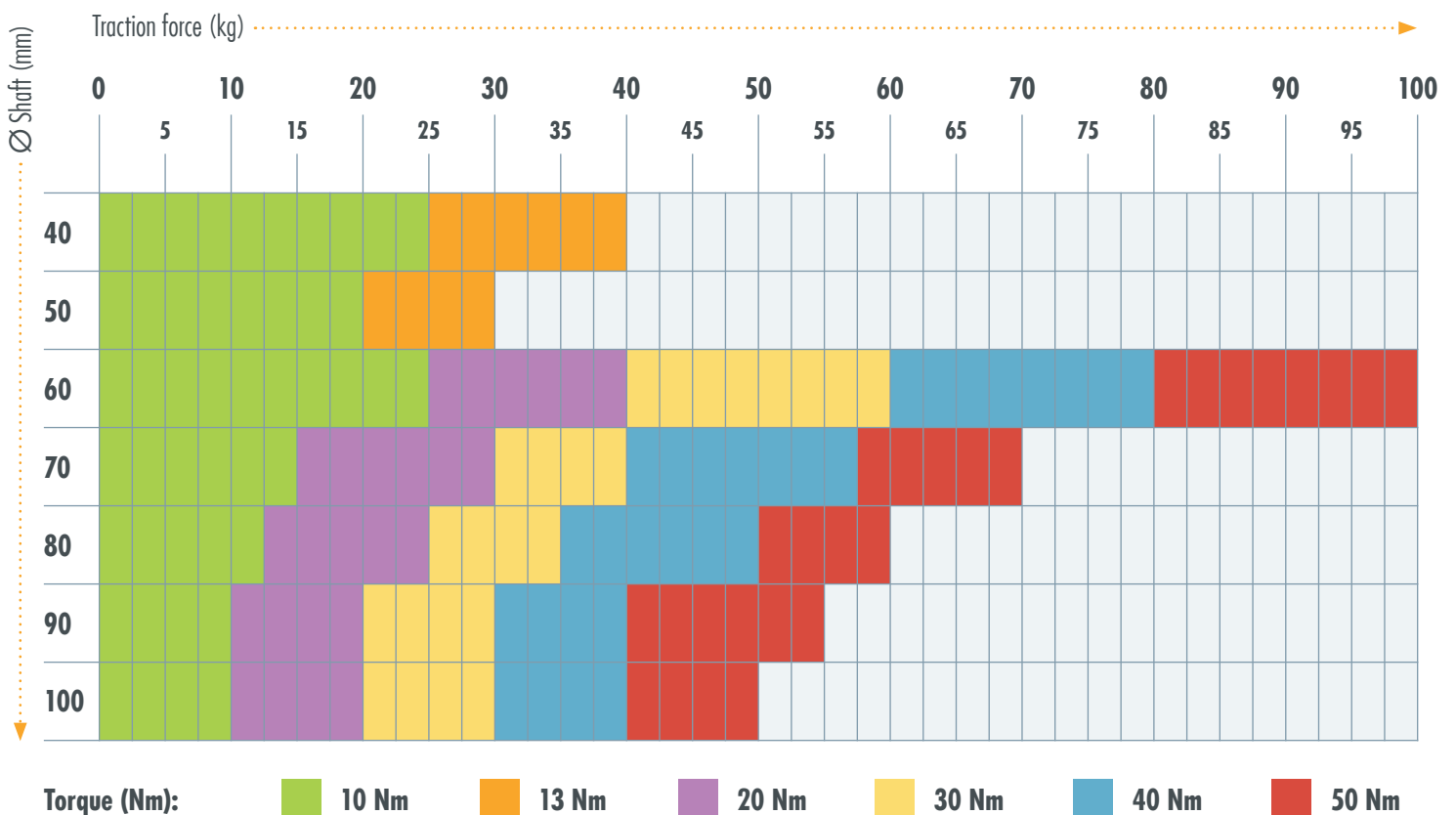


Roller shutter area (m²) x Weight roller shutter material (m²) = Weight roller shutter (kg) + 10% Friction losses = Required traction force (kg)

Example:

PVC-Roller shutter area 3,00 m² x Weight roller shutter material 5 kg = 15 kg Weight roller shutter + 10% Friction losses = 16,5 kg Required traction force

DETERMINE SHUTTER MOTOR TORQUE



! SAFETY INSTRUCTIONS

Please read these important safety instructions before commissioning!

Incorrect installation can cause serious personal injury and damage to property.

The warranty claim expires in case of non-observance of this user information with all contained notes and regulations.

In case of non-observance of these instructions, the manufacturer or supplier shall not be liable for any personal injury or property damage incurred.



This symbol indicates danger due to electrical energy.
Danger to persons and objects may arise if the associated information is not observed!

GENERAL SAFETY INSTRUCTIONS

- **WARNING:** Important safety instructions.
Follow all instructions as incorrect installation may result in serious injury.
- **WARNING:** The drive must be disconnected from the power source during cleaning, maintenance and replacement of parts.
- Danger to life from electric shock when working on electrical equipment.
- The electrical connection, installation and commissioning of the receiver may only be carried out by qualified personnel.
- Before installing the drive, remove all unnecessary cables and disable all devices, that are not required for operation with power.
- The relevant regulations and guidelines must be followed without fail, to avoid damage to persons and objects.
- Observe safety instructions according to EN 60 335-2-97: The power supply cable of the drives must be laid internally.
- Installation according to DIN 18073: The roller shutter box cover must be easily accessible and removable.
- Installation according to EN 60335: Only switches / pushbuttons / switching devices with a minimum contact opening of 3 mm may be used, furthermore the up and down direction must be interlocked against each other.
- When installing in damp rooms, observe regulations (VDE 0100, part 701 and 702).
- These drives can be connected in parallel without an isolating relay or central control.
In this case, the max. output power of the command transmitter (timer or otherwise) must be observed.
- Do not use defective devices: Never use defective equipment.
Periodically inspect the equipment for imbalance and signs of wear or damage to cables and suspension springs.
Do not use equipment if repair or touch-up is necessary.
There is a risk of personal injury and property damage due to electric shock or short circuit.
- Retain the instructions for future reference.



This symbol indicates information about general danger.
Non-observance can mean danger to persons and objects!

IMPROPER USE

- Persons are to be instructed with the correct operation of the tubular motor.
- The roller shutter movement must be monitored in order not to endanger persons.
- Do not allow children to play with motor controls.
- Store the handheld transmitter in such a way that unintentional operation is prevented (e.g. by children playing).
- The device can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, if they have been given supervision and instruction concerning use of the appliance in a safe way and are aware of the hazards involved.
- Children are not allowed to play with the equipment.
- If the power supply cord of this device is damaged, it must be replaced by the manufacturer or its customer service or a similarly qualified person to prevent hazards.



This symbol indicates important information that can ensure safe and proper use of the device.

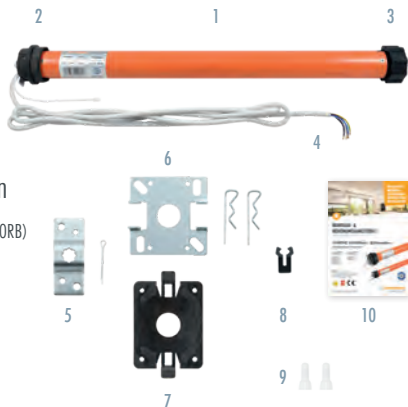
PROPER USE

- Use tubular motors only for automating shutters.
- Only use original components and original accessories from the manufacturer.
- The mains connection cable of the drives must be laid internally in the empty conduit up to the junction box.
The local electrical regulations must be observed.
- For the electrical connection of the tubular motors, a 230 V / 50 Hz power connection with fuse must be available at the installation site.
- Inspect the installation frequently for imbalance and signs of wear or damage to cables and springs.
Do not use if repairs or adjustments are required.

FUNCTION OVERVIEW

SCOPE OF DELIVERY – MOTOR TYPE 3T45-RB

- 1 Motor
- 2 Limit switch adapter
- 3 Shaft adapter
- 4 Connection cable 3 meters
- 5 Universal bearing & cotter pin
- 6 Cover cap bearing (3T45-30RB/-40RB)
- 7 Clip bearing (3T45-10RB/-20RB)
- 8 Securing bracket
- 9 Wire end cap x 2
- 10 Manual



SCOPE OF DELIVERY – MOTOR TYPE 3T35-RB

- 1 Motor
- 2 Limit switch adapter
- 3 Shaft adapter
- 4 Connection cable 3 meters
- 5 Universal bearing & cotter pin
- 6 Clip bearing
- 7 Securing bracket
- 8 Wire end cap x 2
- 9 Manual



Motor type	3T45-10RB	3T45-20RB	3T45-30RB	3T45-40RB	3T35-10RB	3T35-13RB
Torque (Nm)	10 Nm	20 Nm	30 Nm	40 Nm	10 Nm	13 Nm
Traction power (kg)	25 kg	40 kg	60 kg	80 kg	25 kg	40 kg
Max. PVC shutter area (m ²)	4,5 m ²	6 m ²	9 m ²	11 m ²	5,25 m ²	7 m ²
Max. ALU shutter area (m ²)	3 m ²	4,7 m ²	7 m ²	9,5 m ²	4,2 m ²	5,5 m ²
Power (W)	113 W	161 W	200 W	228 W	144 W	144 W
Standby consumption (W)	4 W	4 W	4 W	4 W	4 W	4 W
Turn Speed (U/min)	15 U/min	15 U/min	15 U/min	15 U/min	17 U/min	14 U/min
Limit switch capacity (min)	22 U	22 U	22 U	22 U	30 U	30 U
Operating voltage (V AC)	230 V	230 V	230 V	230 V	230 V	230 V
L1 Total motor length (mm)	608 mm	608 mm	656 mm	656 mm	584 mm	584 mm
L2 Installation length (mm)	587 mm	587 mm	635 mm	635 mm	568 mm	568 mm
Connection line (m)	3 m	3 m	3 m	3 m	3 m	3 m
Max. Runtime (min)	4 min	4 min	4 min	4 min	4 min	4 min
Protection class	IP44	IP44	IP44	IP44	IP44	IP44
EAN	4260601764084	4260601764091	4260601764107	4260601764114	4260601764060	4260601764077

! INSTALLATION NOTES



Before installation, all non-essential electrical wiring must be removed, all mechanisms that are not necessary for motorized operation must be deactivated.

- Do not expose the tubular motor to crushing, impact, falling or contact with any liquids. Do not punch holes in the entire length of the tube (motor casing) or attach screws to it.

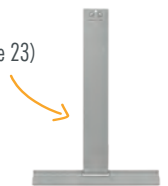


- Please use suitable suspension springs to fasten the roller shutter curtain to the roller shutter shaft. You will find suitable suspension springs on page 23 and in our store under mounting accessories.



- Important for motor type 3T35-RB (SW40): It is essential to use mini suspension springs for motor operation. These special mini springs protrude only approx. 1 mm into the shaft. This allows the shaft to rotate freely. When using commercially available suspension springs the motor housing is left with grinding marks because the suspension pin protrudes too far into the roller shutter shaft, which leads to damage and destruction of the motor.

Mini suspension springs (Page 23)



- For steel shafts with a width across flats of 40 mm (SW40), only use shafts with an external fold. Steel shafts with an internal fold will damage and destroy the motor.



Do not use 8-sided shaft SW40 with internal fold!



8-sided shaft SW40 with external fold

- Grinding marks of any kind on the motor housing will void the warranty.



- The inspection cover of the roller shutter box must be easily accessible and removable.

- We recommend using a tubular motor with a power 10% higher than the weight of the shutter, to compensate for the frictional resistance of the rail guide. > See Guideline / Determine torque (page 3)

- The motor is designed for short-time operation (4 min). It has an internal thermal circuit breaker which interrupts the power supply in the event of overheating, e.g. as a result of continuous operation. The cooling phase is min. 10 min, the thermal switch resets automatically. Regular operation is only possible after the the motor has cooled down completely.

INSTALLATION INSTRUCTIONS



Please note:

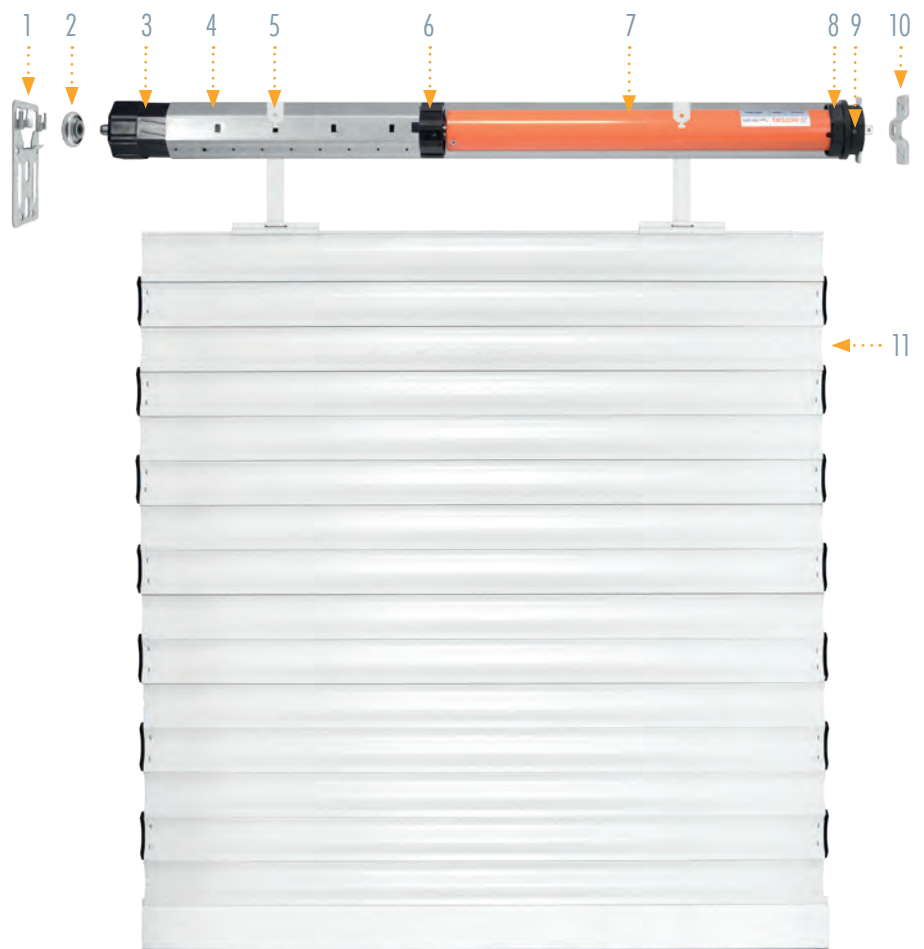
- The motor can be installed on the right-hand side as well as on the left-hand side. If the direction of rotation is reversed, please exchange the wires for the up and down direction.
- The setting of the end positions is only possible in the installed state (motor in shutter shaft).
- Never place screws in the area of the tube motor, as they will damage the motor.
- **Engine damage caused by improper use or unprofessional installation, lead directly to loss of warranty.**

INSTALLATION RADIO SHUTTER MOTOR

Installation situation

- 1 Counter bearing*
- 2 Ball bearing*
- 3 Roller capsule*
- 4 Shutter shaft*
- 5 Suspension spring*
- 6 Shaft adapter
- 7 Tubular motor
- 8 Limit switch adapter
- 10 Limit switches
- 10 Engine mount
- 11 Shutter curtain*

* Accessories; not included



1 Prepare power connection:

- The mains connection cable of the drive must be laid internally in the empty conduit up to the junction box. The local electrical regulations must be observed.

2 Select motor bearing:

- Two motor bearings are supplied: Universal bearing and cover cap bearing (3T45-30RB, 3T45-40RB) / clip bearing.
- Use one of the two motor bearings depending on the installation situation.

INSTALLATION INSTRUCTIONS

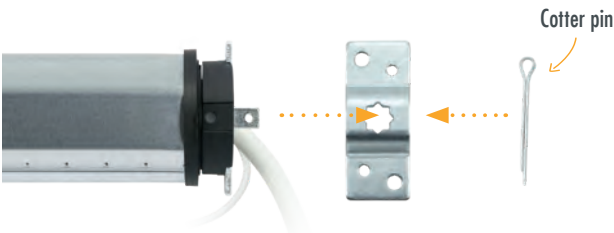
Motor type 3T45-RB

Installation with universal bearing or cover cap bearing / clip bearing



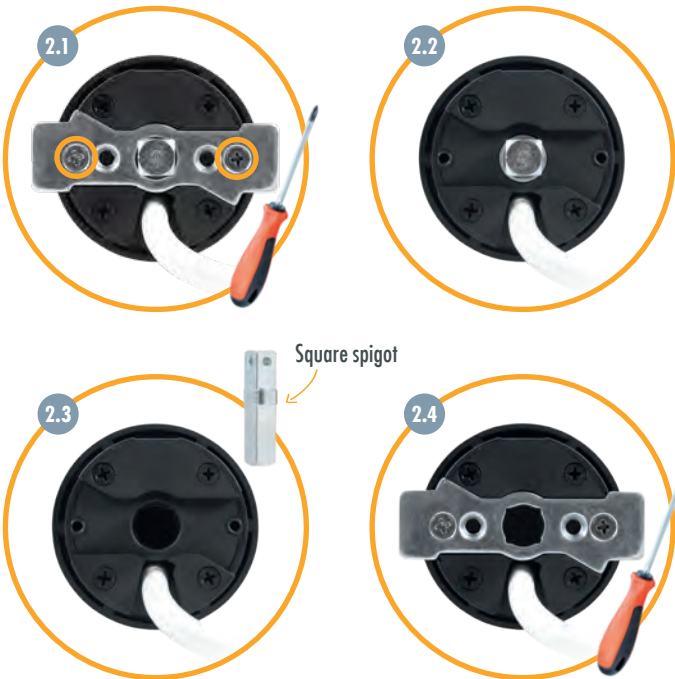
Installation with universal bearing:

- Push the motor with the square into the opening of the bearing and secure with cotter pin.

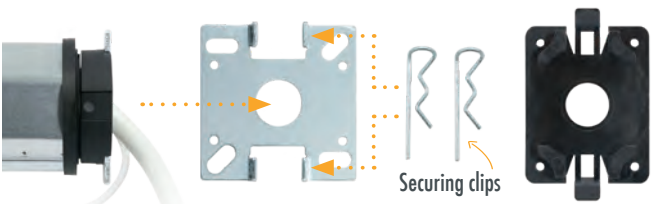


Installation with cover cap bearing:

- Remove screws from metal plate on motor head > fig. 2.1
- Remove metal plate > fig. 2.2
- Remove motor square spigot > fig. 2.3
- Reattach metal plate > fig. 2.4



- Slide motor type 3T45-R without square spigot into cover cap bearing and secure with both securing clips. / Engage motor in clip bearing



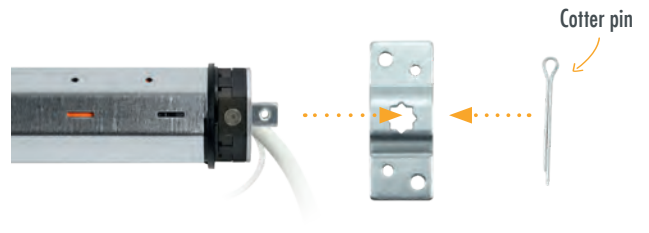
Motor type 3T35-RB

Installation with universal bearing or clip bearing



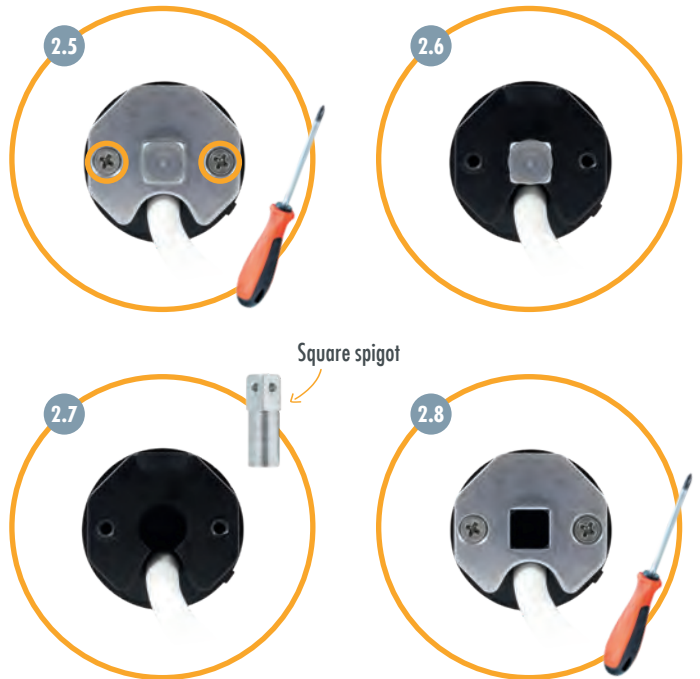
Installation with universal bearing:

- Push the motor with the square into the opening of the bearing and secure with cotter pin.



Installation with clip bearing:

- Remove screws from metal plate on motor head > fig. 2.5
- Remove metal plate > fig. 2.6
- Remove motor square spigot > fig. 2.7
- Reattach metal plate > fig. 2.8



- Engage motor type 3T35-R without square spigot in clip bearing.



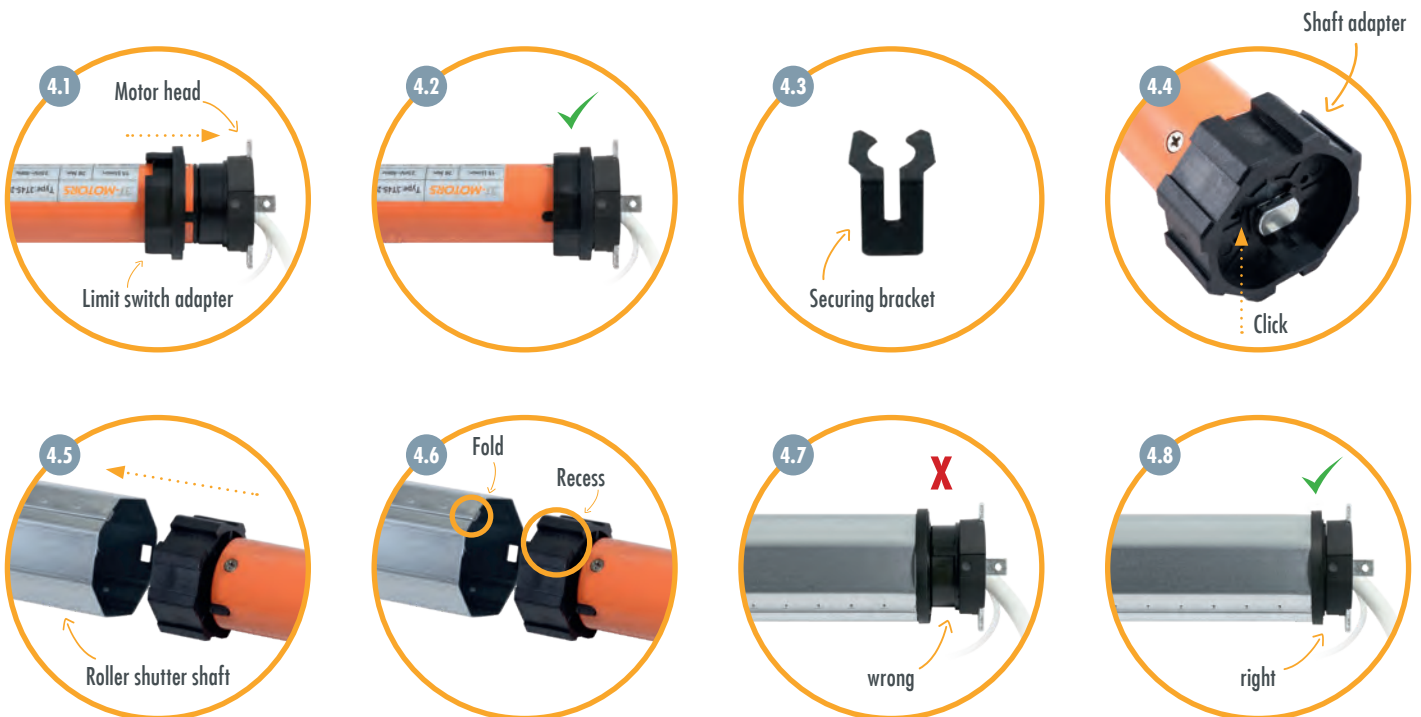
INSTALLATION INSTRUCTIONS

3 Remove shutter shaft:

- Lower the roller shutter.
- Open the cover of the roller shutter box.
- Release the suspension springs from the roller shutter shaft.
- Lift roller shutter shaft incl. ball bearing out of the holder.

4 Prepare motor for installation:

- Push limit switch adapter flush against motor head. > fig. 4.1 / 4.2
- Secure the shaft adapter with the supplied securing bracket. > fig. 4.3 / 4.4
- Push the motor into the roller shutter shaft without using force (never knock it in). The fold of the shaft must lie over the recess in the shaft adapter. > fig. 4.5 / 4.6
- Make sure that the roller shutter shaft is flush with the motor head limit switch adapter. > fig. 4.7 / 4.8



5 Mount bearings:

- Remove old wall bearing on motor side (left or right installation possible).
- Mount motor bearing at this point.
(2 mounting options: Universal bearing & cotter pin and cover cap bearing & securing clips (3T45-30RB/3T45-40RB) / clip bearing).
- Please mount the bearings so that the limit switches are freely accessible.
- Make sure that the roller shutter motor with the shaft unit sits horizontally in the roller shutter box.

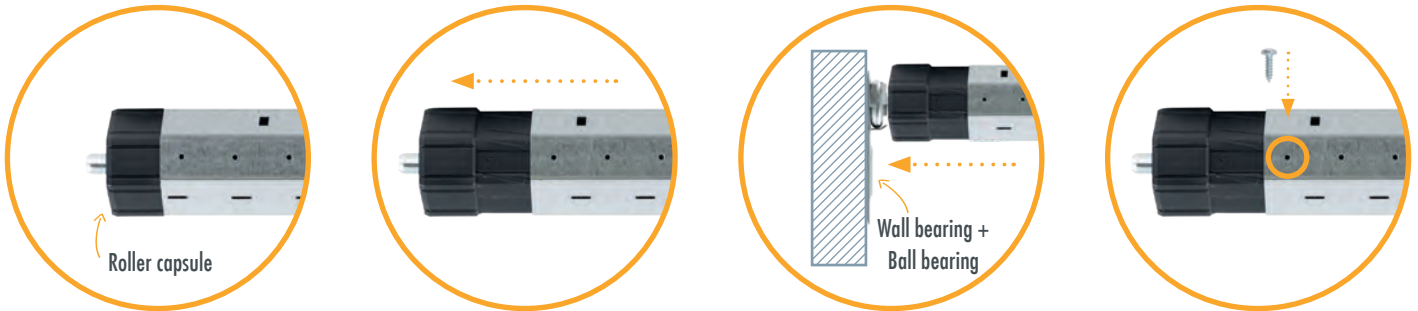


6 Mount motor with shaft unit:

- Insert the motor head (with the entire shaft unit) into the motor bearing and secure it with the supplied cotter pin or securing clips (Cover cap bearing)..

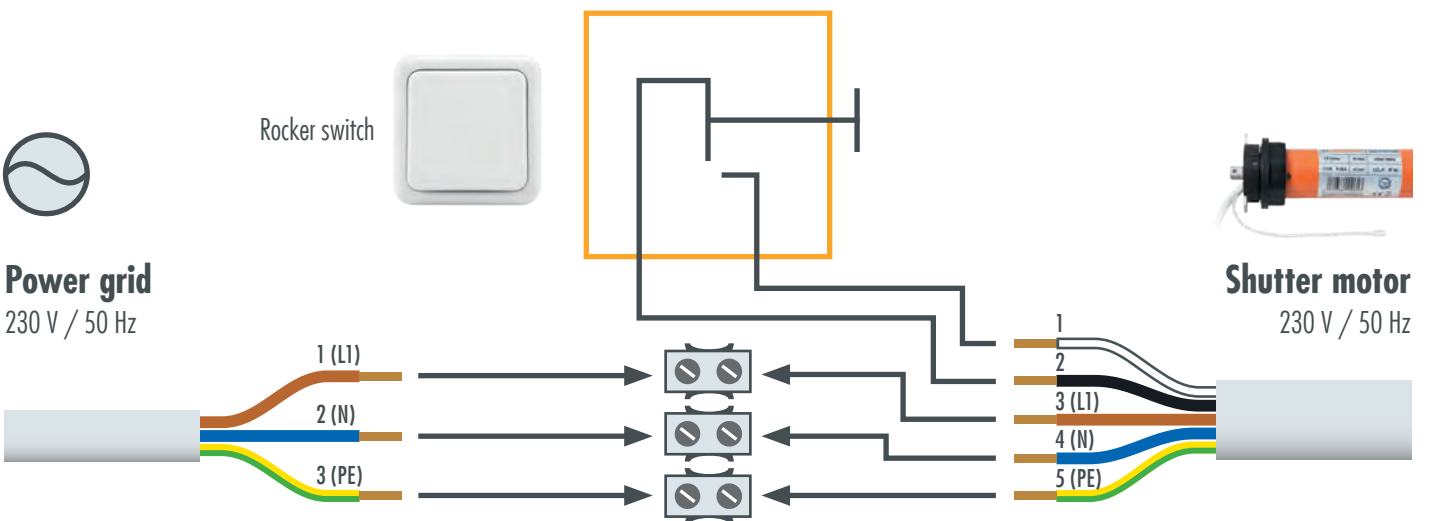
✂ INSTALLATION INSTRUCTIONS

- On the opposite side of the motor, push the roller capsule out of the roller shutter shaft until it fits into the ball bearing inserted in the wall bearing.
- Fix roller capsule to roller shutter shaft with self-tapping screw. Position the screw at a punched hole. This prevents the screw from slipping.



7 Shutter motor wiring:

- Connect the radio shutter motor to the mains and, if necessary, connect the rocker switch to the motor cable.
- The electrical connection of the roller shutter motor and control unit may only be carried out by qualified personnel.



- 1) brown / black = L1 / Phase
- 2) blue = N Neutral conductor
- 3) green/yellow = PE Protective conductor

- 1) white = Control line downward or upward
- 2) black = Pole contact rocker switch
- 3) brown = L1 / Phase
- 4) blue = N Neutral conductor
- 5) green/yellow = PE Protective conductor



Wire end caps



- Use the enclosed wire end caps to insulate free wire ends of the motor cable. If no rocker switch is connected the black and white wires are unused and must be insulated. To do this, slide the wire end caps onto the wire ends and press them together with crimping pliers or combination pliers.

8 Programming radio transmitter:

- Pair the radio handheld transmitter to the shutter motor. See Programming radio transmitter (page 15).
 - If the direction of rotation is reversed, please change it with the paired radio handheld transmitter.
- > Changing the direction of rotation of the radio motor (Page 15).

9 Setting the end positions:

- The end points are set by radio handheld transmitter.
- See programming end positions (page 16).

INSTALLATION INSTRUCTIONS

MOUNTING INSTRUCTIONS FOR 3T-MOTORS® MINI-TUBE MOTORS MOTOR TYPE 3T35-RB



Use proper suspension springs:

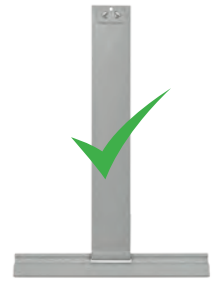
- To fasten the roller shutter curtain to the roller shutter shaft, please be sure to use suitable suspension springs for motor operation. These special mini suspension springs only protrude approx. 1 mm into the shaft. This allows the shaft to rotate freely. When commercially springs are used, there will be grinding marks on the motor housing because the suspension pin protrudes too far into the roller shutter shaft, which leads to damage and destruction of the motor. In case of any kind of grinding marks on the motor housing, the warranty claim is void.



- Mini suspension springs > Optional tubular motor accessories (page 23)



Suspension spring



Mini Suspension spring

Use correct roller shutter shaft with external fold:

- For steel shafts with a width across flats of 40 mm (SW40), only use shafts with an external fold. Steel shafts with an internal fold will damage and destroy the motor.



Do not use
8-sided shaft SW40
with internal fold!



8-sided shaft SW40
with external fold



Explanation:

- Avoid overstressing and resulting premature aging of the motor by using the correct suspension springs and the correct roller shutter shaft with external fold!
- Keep in mind that the motor housing has a diameter of 35 mm and the roller shutter shaft SW40 has an outer diameter of 40 mm. When using commercially available springs or roller shutter shafts with internal fold, the motor housing will be left with grinding marks, since the suspension pin or the fold protrude too far into the roller shutter shaft. Contrary to its intended use, the motor runs permanently against an overload and outside its characteristic data.
- Matching roller shutter shafts SW40 > Optional tubular motor accessories (page 23)

INSTALLATION INSTRUCTIONS

INSTALLATION RADIO AWNING MOTOR

1 Preparation:

- Screw in awning & secure with straps or ropes.
- Remove awning from wall bracket & place on safe surface.

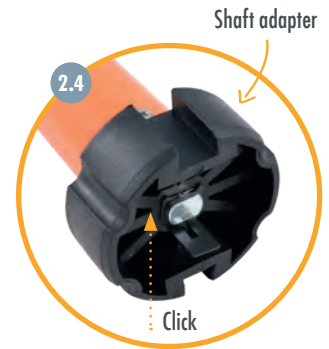
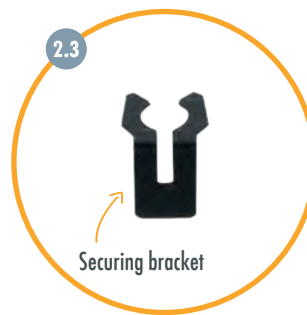


Attention:

Awning arms are under strong tension!

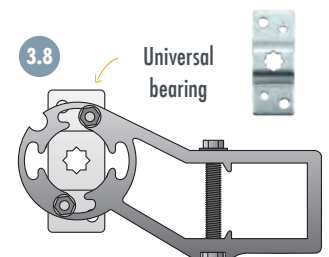
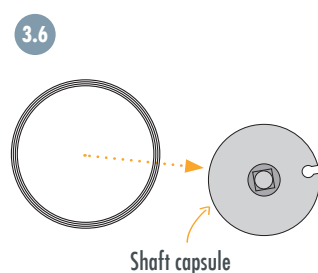
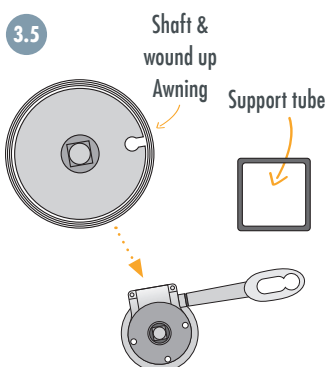
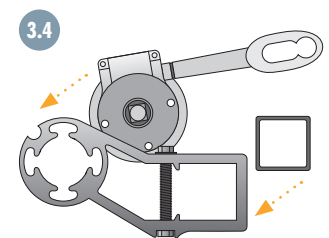
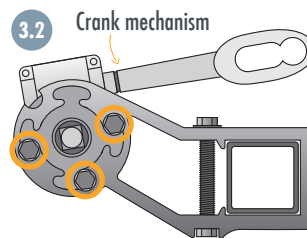
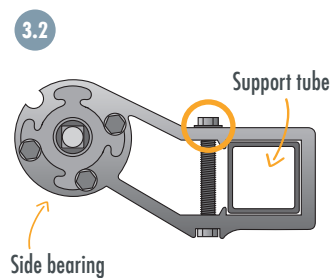
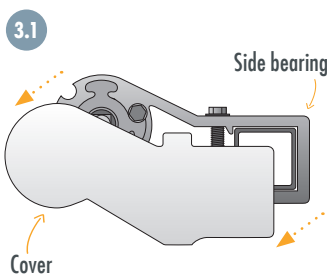
2 Prepare motor for installation:

- Slide limit switch adapter flush against motor head. > fig. 2.1 / 2.2
- Secure the shaft adapter with the supplied securing bracket. > fig. 2.3 / 2.4



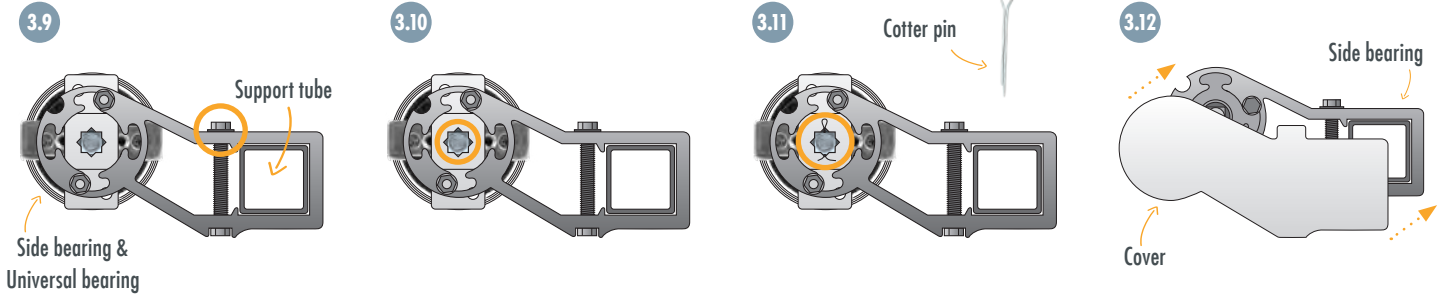
3 Installation awning motor:

- Remove the cover to access the side bearing (also awning bracket) and fastening screws. > fig. 3.1
- Loosen the screw that secures the side bearing to the support tube. > fig. 3.2
- Remove all screws connecting the side bearing and the crank mechanism. > fig. 3.3
- Remove the side bearing from the support tube. > fig. 3.4
- Remove the crank mechanism. > fig. 3.5
- Remove the shaft capsule from the shaft. > fig. 3.6
If the shaft capsule is tight, use a hammer and screwdriver. Be careful not to damage the shaft.
- Push the awning motor with shaft adapter first into the shaft. > fig. 3.7
- Make sure motor head & limit switch adapter are flush in shaft.
- Screw the universal bearing onto the side bearing on the side facing the awning shaft. > fig. 3.8



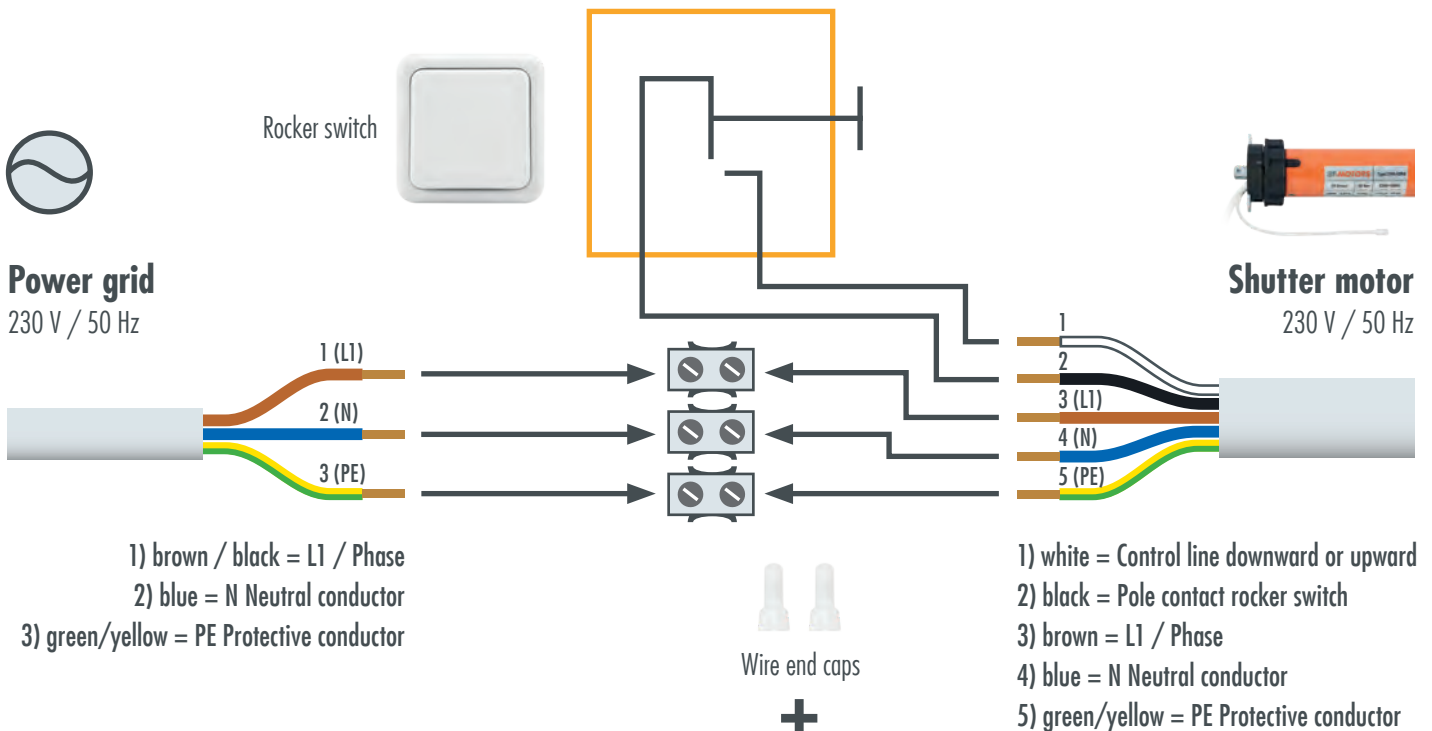
✂ INSTALLATION INSTRUCTIONS

- Slide the side bearing with universal bearing onto the support tube & fasten. > fig. 3.9
- Ensure that the motor square spigot is properly engaged in the universal bearing. > fig. 3.10
- Secure the motor square spigot with the supplied cotter pin. > fig. 3.11
- Attach the cover to the side bearing. > fig. 3.12
- Install awning & release fuses.



4 Awning motor wiring:

- Connect the radio awning motor to the mains and, if necessary, connect the rocker switch to the motor cable.
- The electrical connection of the roller shutter motor and control unit may only be carried out by qualified personnel.



- Use the enclosed wire end caps to insulate free wire ends of the motor cable. If no rocker switch is connected the black and white wires are unused and must be insulated. To do this, slide the wire end caps onto the wire ends and press them together with crimping pliers or combination pliers.



5 Programming radio transmitter:

- Pair the radio hand-held transmitter to the awning motor. See Programming radio transmitter (page 15).
 - If the direction of rotation is reversed, please change it with the paired radio hand-held transmitter.
- > Changing the direction of rotation of the radio motor (Page 15).

6 Setting the end positions:

- The end points are set by radio hand-held transmitter.
- See programming end positions (page 16).

i NOTES ON THE SETTING OF THE MOTOR



**Important explanations on setting and programming the motor.
Please read carefully before setting the motor.**

Programming:

- The programming interval for radio transmitters is 6 seconds. After 6 seconds, the radio transmitter terminates programming.
- The radio motor confirms programming steps with beeps (🔊) and a short down and up ⬇️⬆️, perform the next step after the hint.

Setting the end positions:

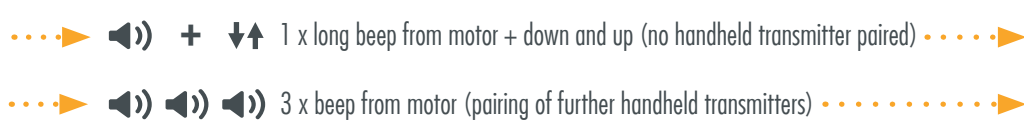
- After the end points have been set, they cannot be saved at the same position when readjusting.
- After setting the endpoints, they are saved in case of power failure.
- When the endpoints are deleted, the upper and lower endpoints are deleted.
- The programming of the end points is terminated after 2 minutes if no commands are received.

Number of programmable radio hand-held transmitters:

- The radio motor can store up to 20 radio handheld transmitters / radio transmitters.
- If additional transmitters are stored, the transmitter that was paired first will be overwritten.

i FUNCTIONS P1 BUTTON

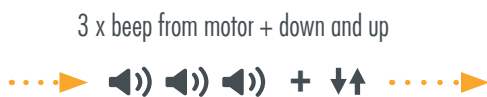
1. Pairing handheld transmitter / Pairing additional handheld transmitters:



The motor is ready for pairing a handheld transmitter / further handheld transmitters

Press button P1 once

2. Change the direction of rotation of the radio motor:

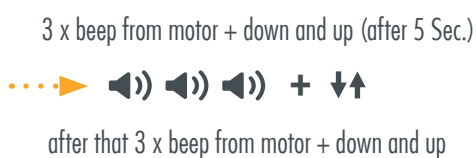


The direction of rotation of the motor is changed

Press P1 button for 5 sec. + keep pressed

Release P1 button

3. Reset motor settings:



All motor settings are reset

Keep P1 button pressed

Release P1 button (after 8 Sec.)

PROGRAMMING RADIO TRANSMITTER



Important when teaching, changing or deleting transmitters:

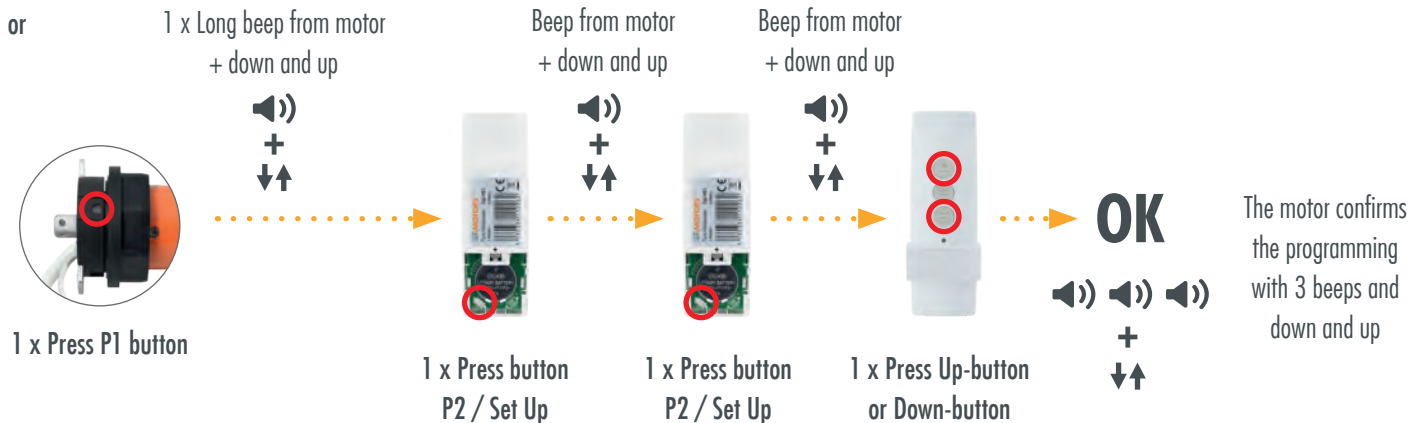
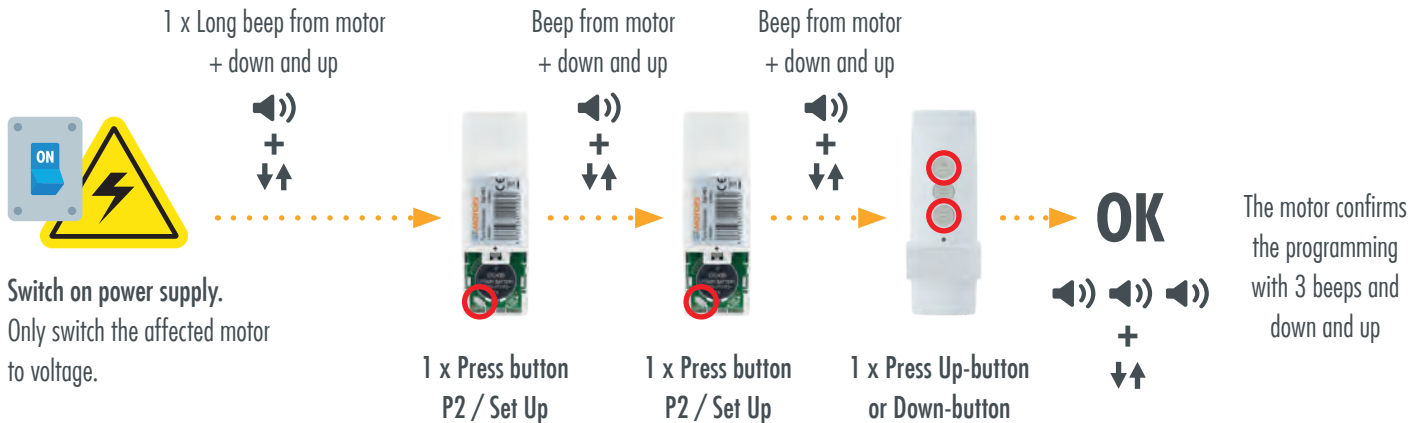
Only one relevant motor may be switched to voltage!

Several radio motors or radio receivers can be programmed to form a group with the same transmission channel.

For multi-channel transmitters, channel by channel must be taught or transferred.

Pairing handheld transmitters with Radio motor Type RB:

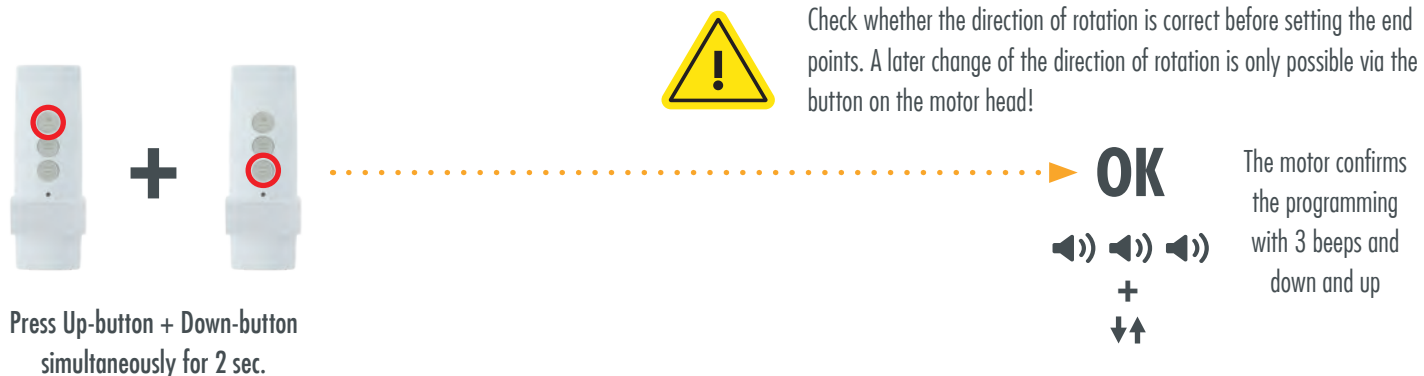
After switching on the power supply / Pressing P1 button the programming (pressing the buttons) must be done within 10 sec. otherwise the motor returns to its original state.



Change direction of rotation of radio motor:

If the up and down buttons triggers the wrong direction of travel, you can change the direction of rotation of the radio motor with this programming.

Check whether the direction of rotation is correct before setting the end points. A later change of the direction of rotation is only possible via the P1 button on the motor head!

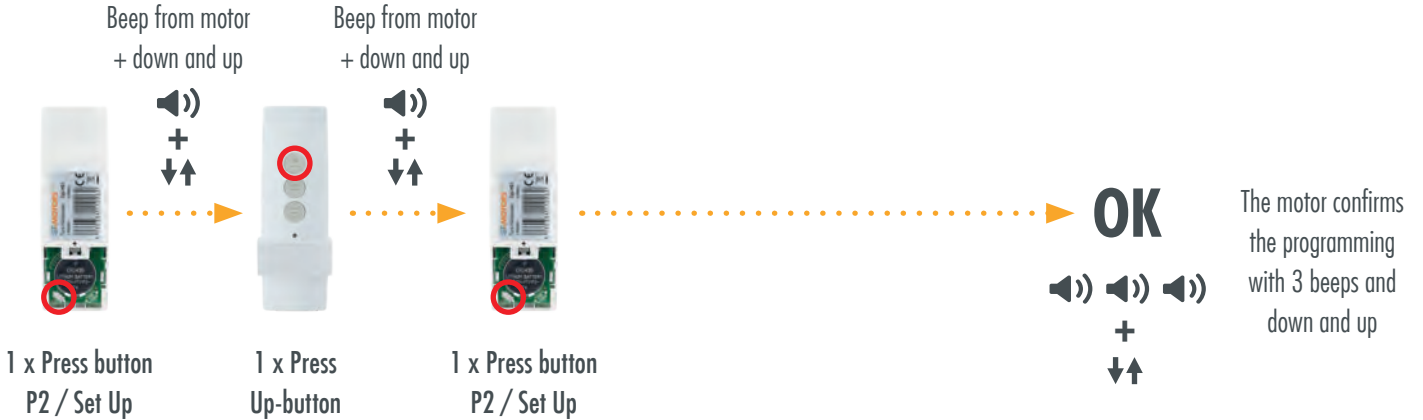


PROGRAMMING END POSITIONS

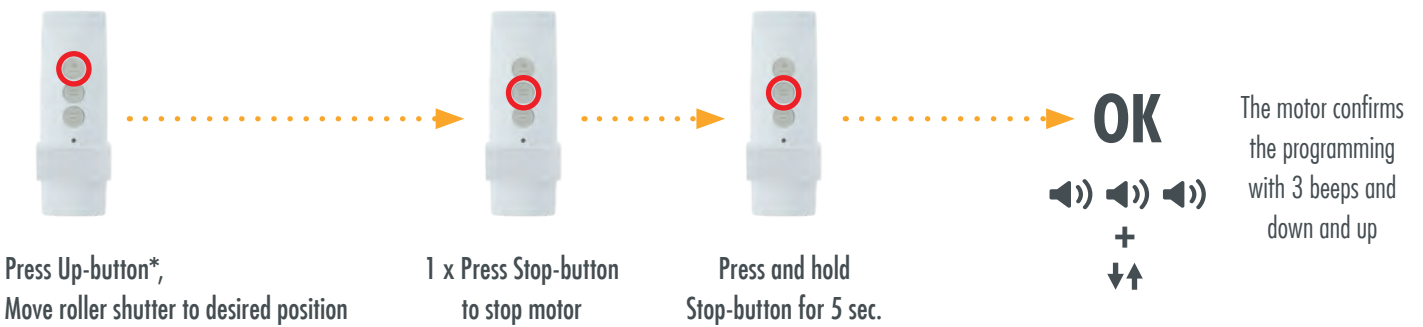
1. Initialization of the end point setting:



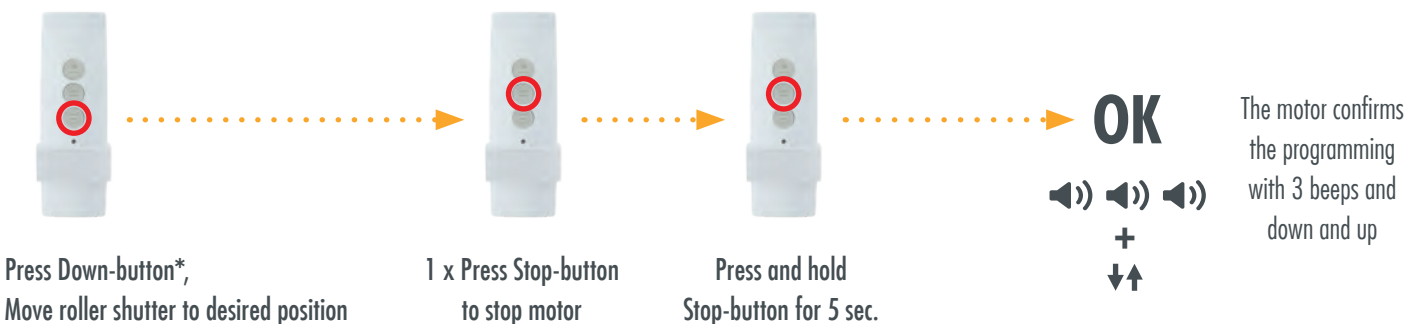
Attention! If the upper end point is set, do not move the motor upwards! The motor will not stop at the upper end point until the lower end point has also been set.



2. Setting upper end point:



3. Setting lower end point:

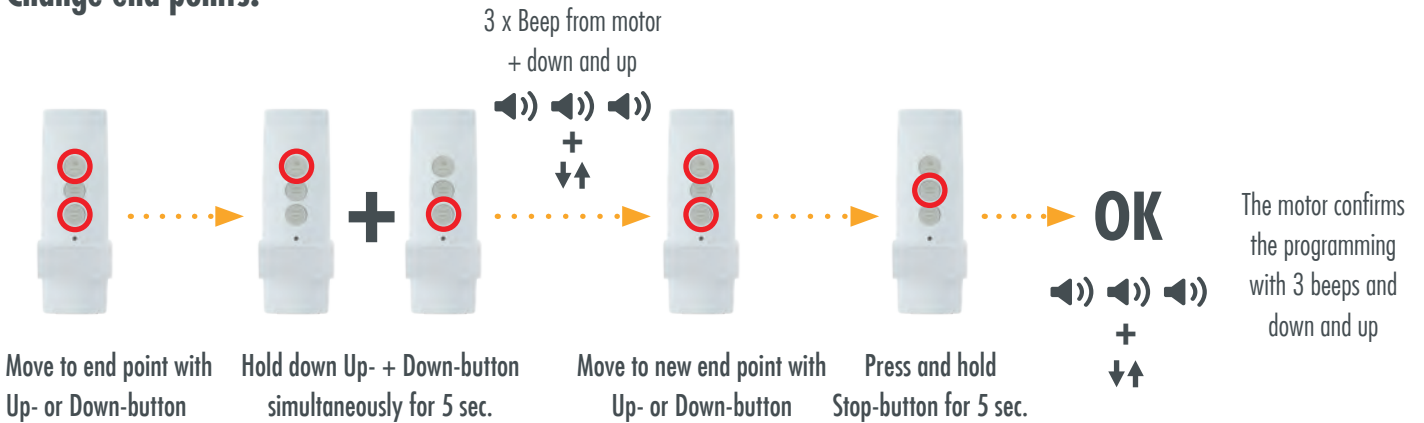


Activate jog mode:
During ascent or descent
1 x Press button P2 / Set Up

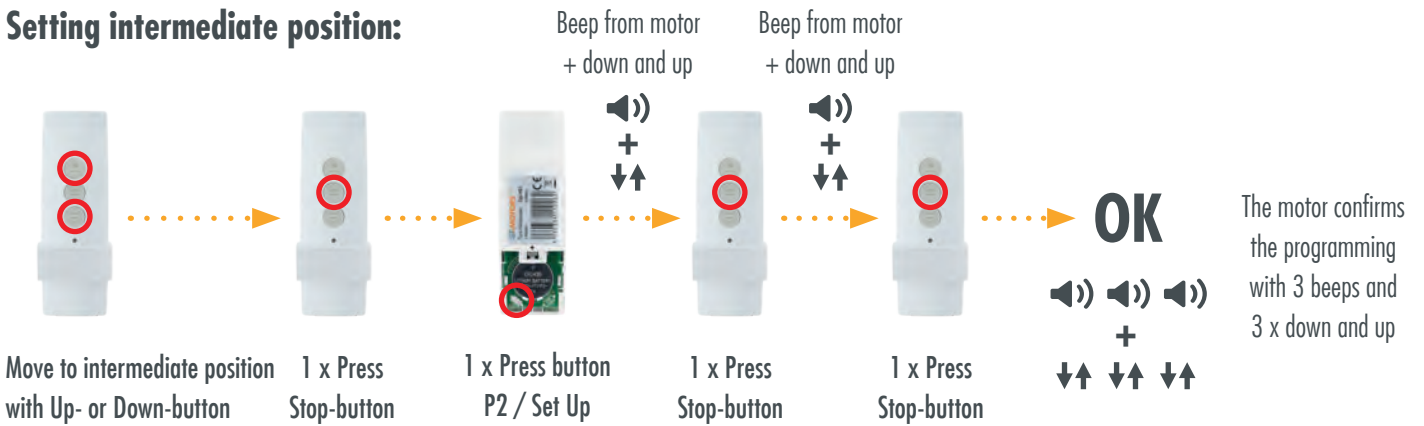
* When setting the upper and lower end points, the motor can be switched to jog mode during travel. To do this, press the P2 button during upward or downward travel. The motor then moves up or down in small steps, which facilitates the precise setting of the end points.

PROGRAMMING END / INTERMEDIATE POSITIONS

Change end points:



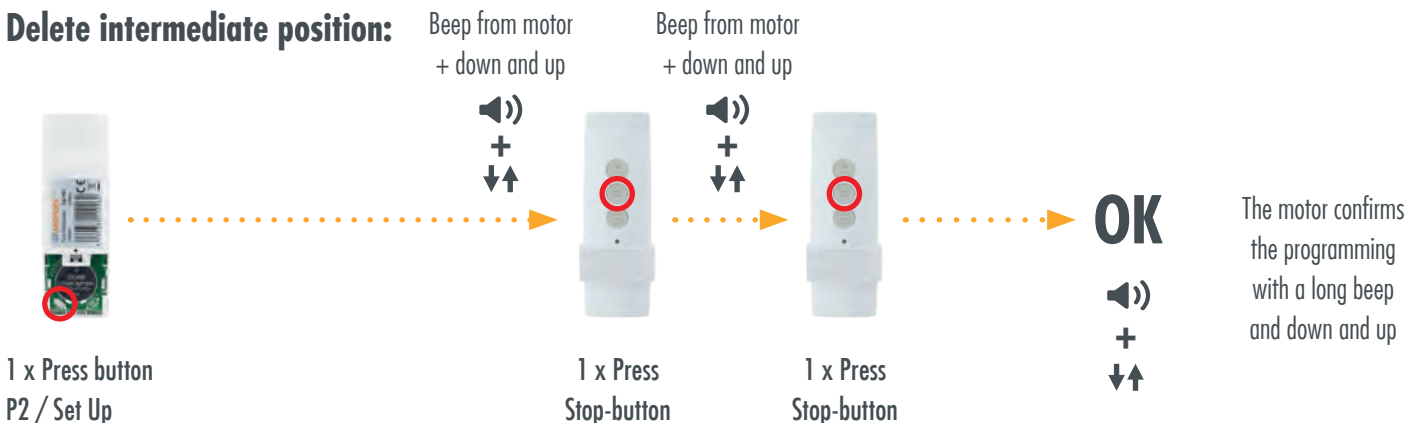
Setting intermediate position:



Move to intermediate position:

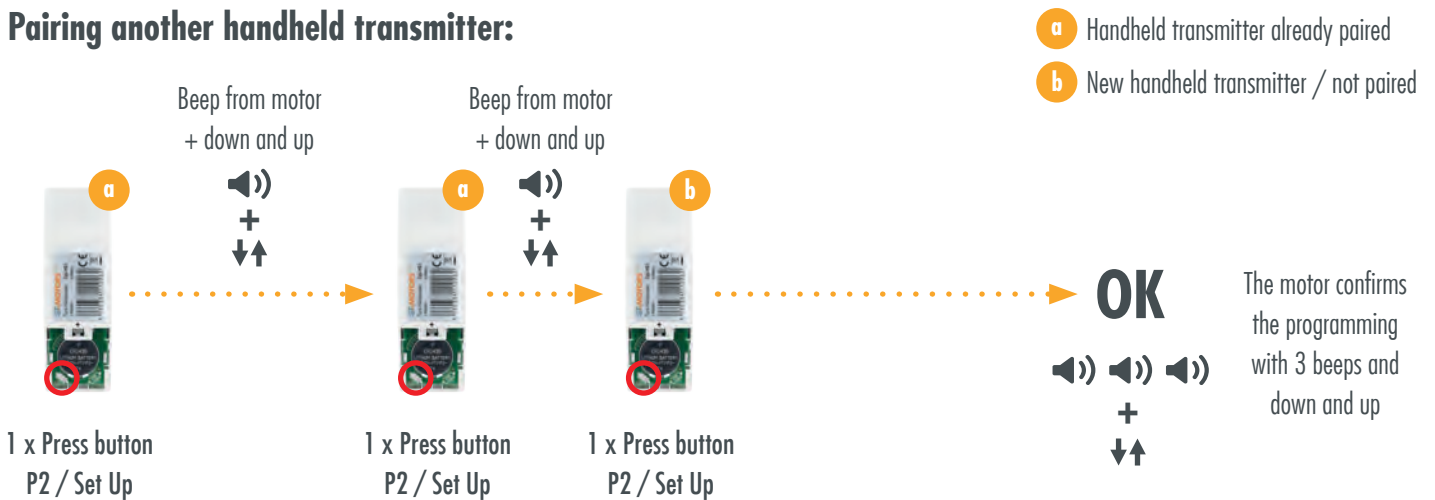


Delete intermediate position:

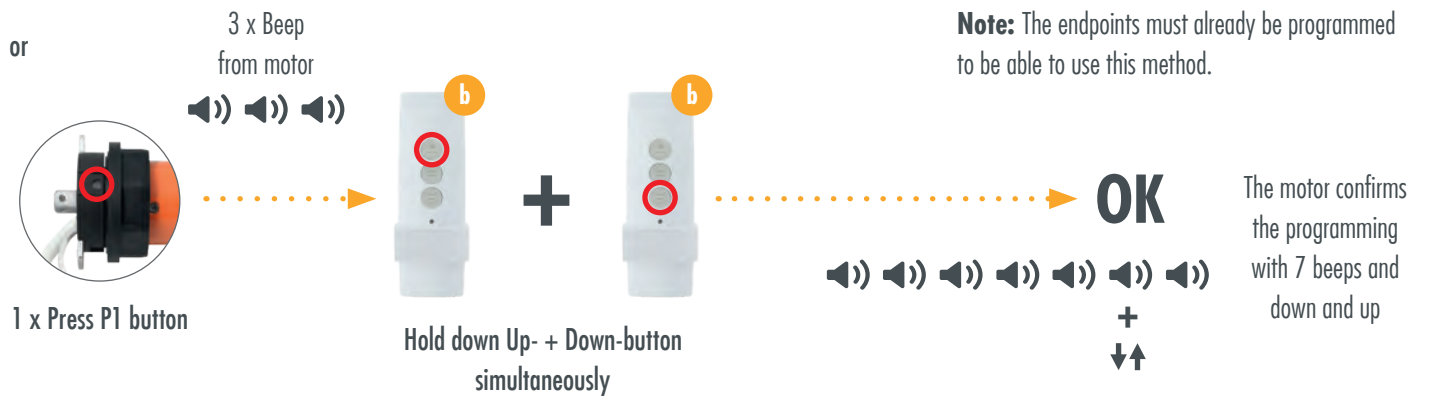


PROGRAMMING RADIO TRANSMITTER

Pairing another handheld transmitter:

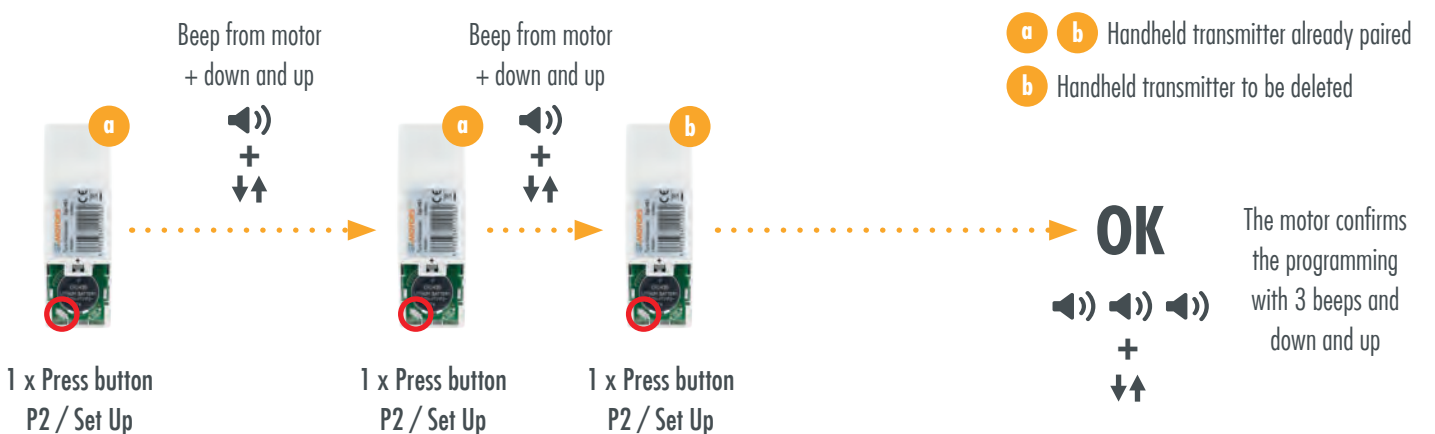


- a** Handheld transmitter already paired
- b** New handheld transmitter / not paired



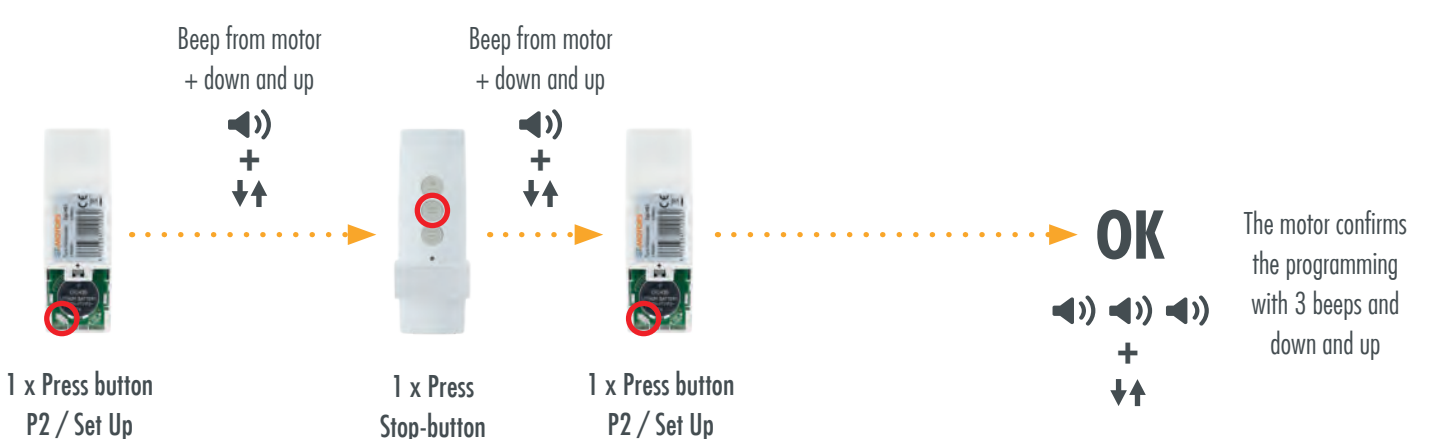
Note: The endpoints must already be programmed to be able to use this method.

Delete handheld transmitter:



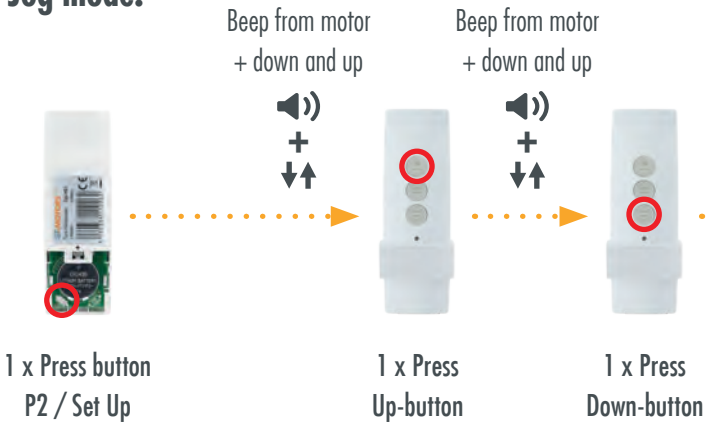
- a** **b** Handheld transmitter already paired
- b** Handheld transmitter to be deleted

Delete all handheld transmitter:



PROGRAMMING

Jog mode:



Note: In jog mode, press and hold the up or down button for 2 seconds to activate continuous up or down travel.

OFF

The motor confirms the programming with a long beep and down and up

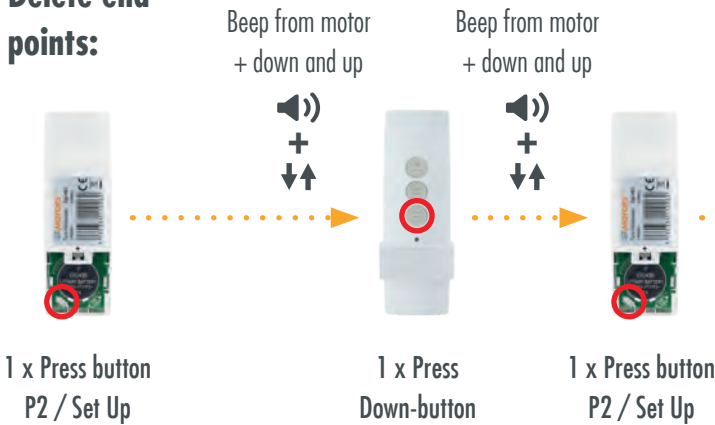


ON

The motor confirms the programming with 3 x beep and 3 x down and up



Delete end points:



Note: The intermediate position is removed by deleting the end points and must be reset if necessary.

OK

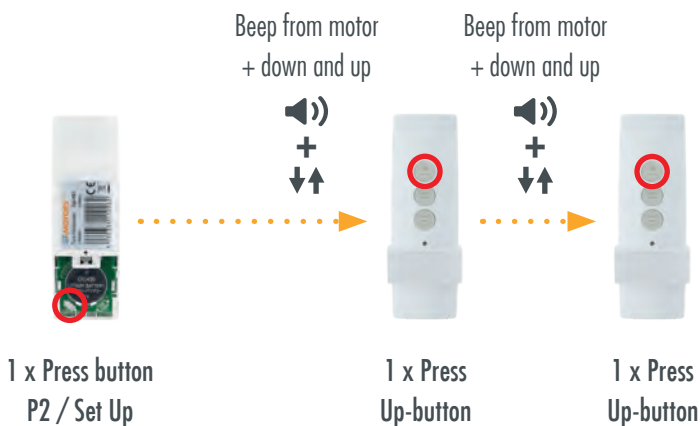
The motor confirms the programming with 3 x beep and down and up



Activate / deactivate initialization of the pairing process by switching on the power supply:

ON: Initialization of the pairing process for handheld transmitters via P1 button or switching on the power supply.

OFF: Initialization of pairing process for handheld transmitter only via P1 button



OFF

The motor confirms the programming with a long beep and down and up



ON

The motor confirms the programming with 3 x beep and 3 x down and up



Quick overview programming commands

	Setting	Programming
1	Pairing handheld transmitter	P1 or switch on power supply > P2 > P2 > Up oder Down
2	Change direction of rotation	Up + Down simultaneously (2 sec.)
3	Setting end points	Initialization of the end point setting P2 > Up > P2
		Setting upper end point Up > Stop > Stop (5 sec.)
		Setting lower end point Down > Stop > Stop (5 sec.)
		Jog mode During ascent or descent > P2
4	Changing end points	Changing upper end point Up > Up + Down simultaneously (5 sec.) > Up or Down > Stop (5 sec.)
		Changing lower end point Down > Up + Down simultaneously (5 sec.) > Up or Down > Stop (5 sec.)
5	Intermediate position	Setting intermediate position Up or Down > Stop > P2 > Stop > Stop
		Move to intermediate position Stop (2 sec.)
		Delete intermediate position P2 > Stop > Stop
6	Pairing another handheld transmitter	P2 (a) > P2 (a) > P2 (b) a = transmitter already paired / b = transmitter to be deleted
		P1 > Up (b) + Down (b) b = new handheld transmitter
7	Delete handheld transmitter	P2 (a) > P2 (a) > P2 (b) a = transmitter already paired / b = transmitter to be deleted
8	Delete all handheld transmitter	P2 > Stop > P2
9	Jog mode	P2 > Up > Ab
10	Delete end points	P2 > Down > P2
11	Activate / deactivate initialization of the pairing process by switching on the power supply	P2 > Up > Auf



Note:

The following 3T-MOTORS transmitters do not have a P2 / Set Up button:



Radio mini transmitter
FMSF



Radio wall transmitter
WS1



Radio wall transmitter
WS2



Radio wall transmitter
WSE2



Radio timer
WSTF1



Radio timer
WSTF5

Button combination:

Press Up + Stop buttons simultaneously (FMSF / WS1 / WS2 / WSE2).

Press the Set and Mode buttons simultaneously (WSTF1 / WSTF5).

ROCKER SWITCH

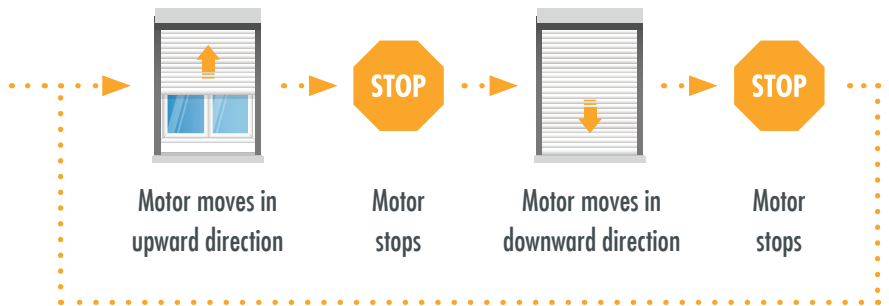


Attention!

Do not use blind switches, they can cause damage to the system and the motors.



1 x Press
Rocker switch



TROUBLESHOOTING

WHAT TO DO WHEN ...

... the motor does not run?

- Mains voltage is missing.
- Transmitter was not paired correctly.

... the motor is running in the wrong direction?

- Change the direction of rotation with the transmitter (see Changing the direction of rotation of the radio motor > page 15).

... the motor does not switch off at the set point?

- Check fit of limit switch adapter (must be flush with motor head and shutter shaft).
- Roller capsule is not fixed or roller shutter shaft is too short.

... the motor does not switch off at all?

- End points are not set or set incorrectly. Set end points again (> page 16).

... the motor stops running after continuous operation?

- The thermal protection switch of the motor has tripped. After a cooling phase (min. 10 min.), the motor is ready for operation again.

... the motor cannot be paired?

- Radio motor was not set to „ready to learn“ by switching power supply off / on or the P1 key.
- Switch off / switch on power supply or press P1 button and perform teach-in procedure again.
- Pairing by pressing the keys must be done within 10 sec. after switching on the power supply and beeping of the motor.
- Group channel 0 set for multi-channel transmitters (can only be taught to channel 1-5 or 1-15).
- Battery is too weak or empty.

... the motor does not operate at the specified speed?

- Check roller shutter weight; if necessary, correct slanted installation of roller shutter shaft or eliminate mechanical friction in roller shutter box or rail guide.

EU Konformitätserklärung

Wir, die Firma

3T Components GmbH & Co. KG
Grete-Schickedanz-Str. 5
55545 Bad Kreuznach
Deutschland

erklären in alleiniger Verantwortung, dass das weiter unten genannte Produkt

Geräteart: Rohrmotor mit integriertem Funkempfänger 433MHz
und elektronischen Endschaltern

Modell Artikelnummer

3T35-10RB	440
3T35-13RB	441
3T45-10RB	442
3T45-20RB	443
3T45-30RB	444
3T45-40RB	445

die grundlegenden Anforderungen der aufgeführten EG/EU-Richtlinien erfüllt:

2014/30/EU	EMV-Richtlinie
2014/53/EU	RED- Richtlinie
2011/65/EU	RoHS-Richtlinie
2012/19/EU	WEEE-Richtlinie
2014/35/EU	Niederspannungsrichtlinie

angewandte Standards und Verordnungen:

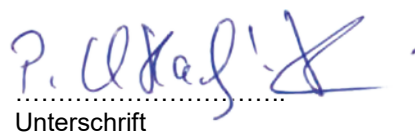
EN 60335-1:2012/A13:2017
EN 60335-2-97:2006/A12:2015
EN 60950-1:2006/A2:2013
EN 300 220-2 V3.1.1
EN 301 489-1 V1.9.2
EN 301-489-3 V1.6.1
EN 55014-1:2017
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013
EN 62479:2010

Bevollmächtigter zur Zusammenstellung der technischen Unterlagen:

Name, Position: Patrick El Hadj-Henni, Geschäftsführer

Wallertheim, 11.01.2021

.....
Datum


.....
Unterschrift

OPTIONAL ACCESSORIES TUBULAR MOTORS

ANTI-LIFT DEVICE | SHUTTER SHAFTS | ROLLER CAPSULE | SUSPENSION SPRINGS | BALL BEARINGS

OCTOCLICK Anti-lift device 2-link / 2,5-link

- Burglar-resistant
- The pushing up of a closed motorized roller shutter is prevented
- For tubular motors with electronic or mechanical limit switching
- For 50 mm (SW50) and 60 mm (SW60) octagonal shafts
- For roller shutter armor with thickness 8 mm + 14 mm (mounting profile can be rotated)
- Made of glass fiber reinforced polyamide
- No tooling required



Shutter shafts SW60 / SW40

8-sided steel shafts / shaft sets

- SW60 (diameter: 60 mm) up to roller shutter box width: 110 cm / 150 cm / 190 cm / 270 cm / 310 cm / 350 cm
- SW40 (diameter: 40 mm) up to roller shutter box width: 110 cm / 140 cm / 160 cm



Roller capsule long SW60

High quality product

- Length: 140 mm
- Length Steel pin: 12 mm
- PVC



Roller capsule long SW40

High quality product

- Length: 80 mm
- Length Steel pin: 9,8 mm
- PVC



Suspension spring Maxi

Required when using roller shutter motors

- Maxi spring up to 65 mm profile height
- For roller shutter shaft SW60
- Powder coated
- Anti-burglary effect
- Pick up width: 100 mm
- Total length: 215 mm



Suspension spring Mini

Required when using roller shutter motors

- For roller shutter shaft SW40
- Powder coated
- Anti-burglary effect
- Pick up width: 100 mm
- Total length: 140 mm



Ball bearing Maxi

Maxi ball bearing for use in roller shutter bearing

- Outer diameter: 40 mm
- Inner diameter: 12 mm
- Specialized trade quality



Ball bearing Mini

Mini ball bearing for use in roller shutter bearing

- Outer diameter: 28 mm
- Inner diameter: 10 mm
- Specialized trade quality



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Quality
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difference!*



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Monday – Friday / 8.00 – 16.30

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