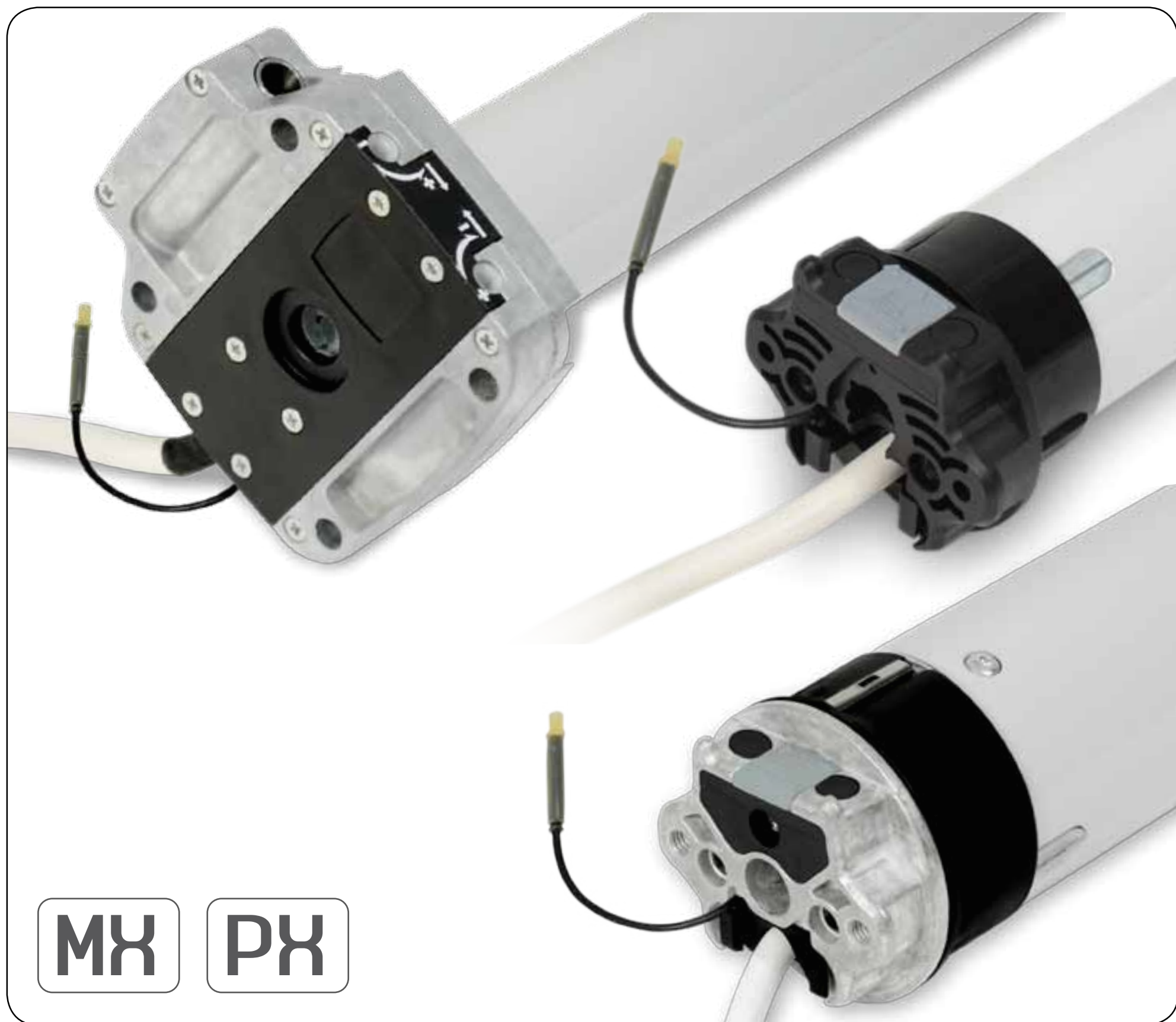


GAPOSA

XQ 50 60

Tubular motors with mechanical limit switch, manual override and integrated receiver



MX

PX

Made in Italy

CE

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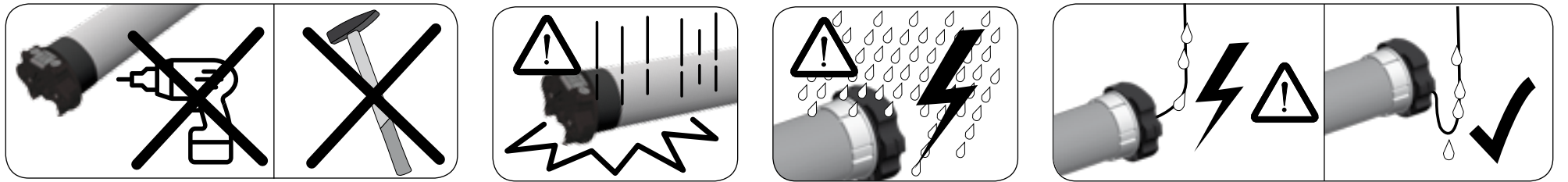
MANUAL OVERRIDE



**CAREFULLY FOLLOW THESE INSTRUCTIONS.
IT IS VERY IMPORTANT FOR THE SAFETY OF
PERSONS.**

SAVE THESE INSTRUCTIONS. IMPORTANT:

- Check the shutter/awning in motion and keep persons far from it while in action.
- Frequently check if any loss of balance, signs of wear or damaged wires are shown.
- Do not use if any repairing or maintenance is needed.
- In case of installation in awnings keep a distance of at least 0,4 m from it (completely open) and whatever fixed item in the nearby.
- The device is not intended to be used by people (including children) whose physical, sensory or mental capabilities are reduced, or lacking experience or knowledge, unless they have been granted through the intermediary of a person responsible for their safety, supervision or instruction concerning the use of the device.
- Children should be supervised to ensure they do not play with the device and / or with fix control devices.
- The control devices installed in a fixed manner must be positioned in view.

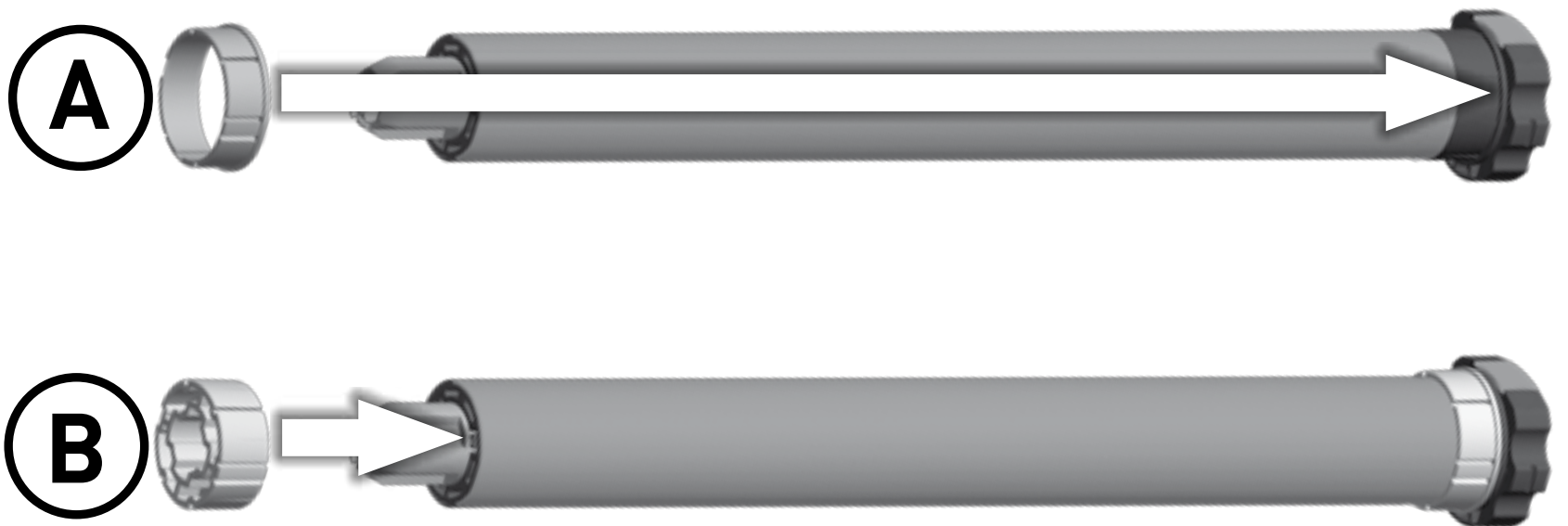


To complete installation, the motor must be provided with a couple of adaptors (corresponding with the tube) and a fixing bracket. For a list of the available accessories, refer to the catalogue.

WARNING: incorrect installation can cause serious injuries. Follow the installation instructions. Before you remove all unnecessary cables and turn off any equipment not required for this operation.

1

Fix the adaptors to the motor distinguishing the limits ring (A) from the drive pulley (B).



2

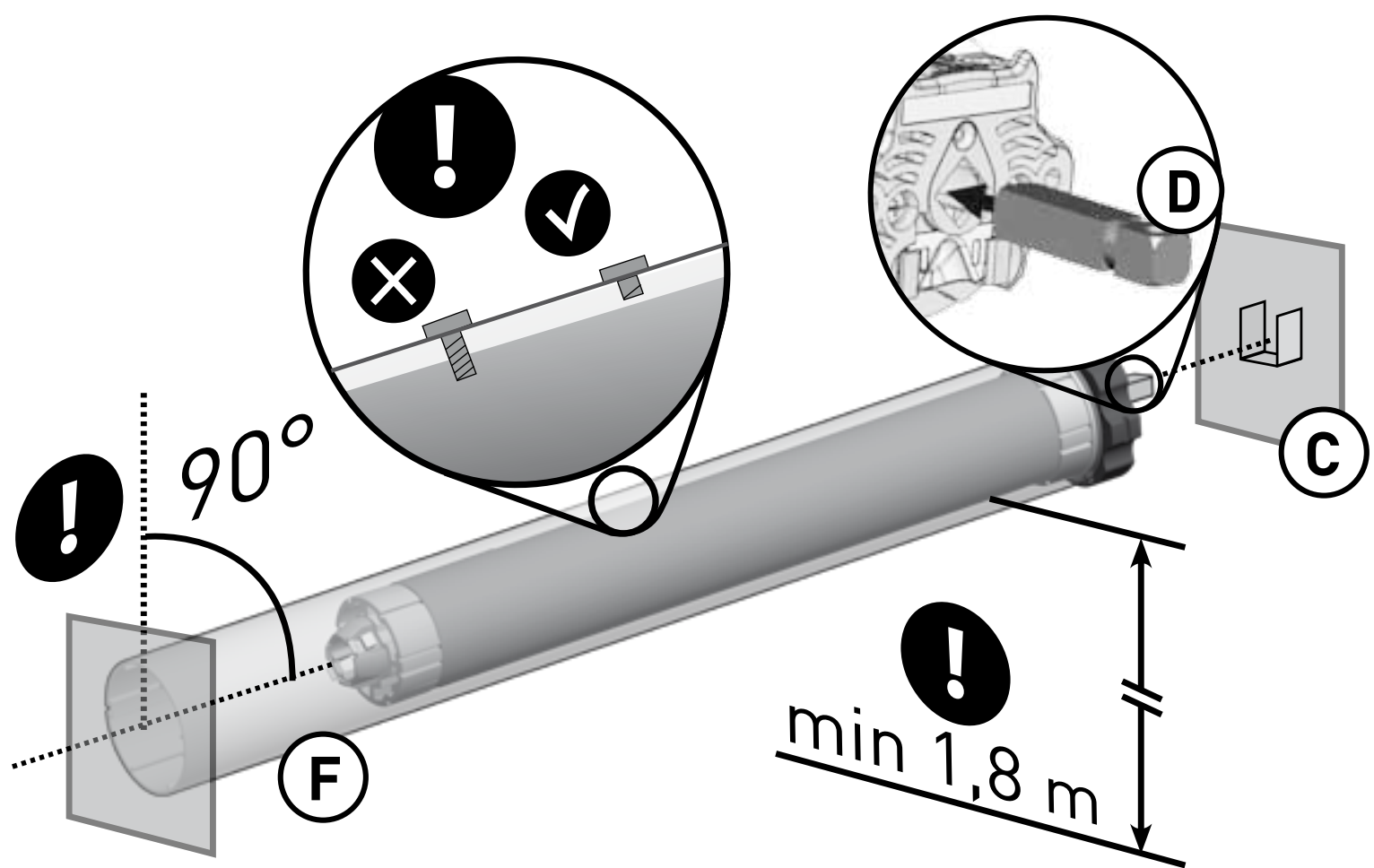
Insert the motor (E) into the tube (F) until its end stops against the limits ring.





- 3** The fixing bracket (C) must be fixed inside the box or on the awning frame so that the roller tube (F) is perfectly horizontal and at a height not less than 1,8m.

- 4** **[FOR XQ50]** Place the motor square pin (D) on the bracket (C) and the cap at the opposite end of the tube on the fixing plate.
WARNING: Never hit on the head of the motor (D) when you insert it into the tube.



NOTES

- For the XQ50, with torque up to 15Nm, the minimum tube diameter is 50x1,5mm; for motors with higher torques, the minimum tube diameter is 60x1,5mm.
- For the XQ60, the minimum tube diameter is 63x1,5mm.

WARNING:

- The screws used to fix the last slat on the tube may be too long and reach the tubular part of the motor. Use appropriate screws or fixing clips.
- Motor moving parts installed under 2,5m from the ground must be protected.
- A wrong motor installation can damage persons or objects.

ELECTRICAL CONNECTION

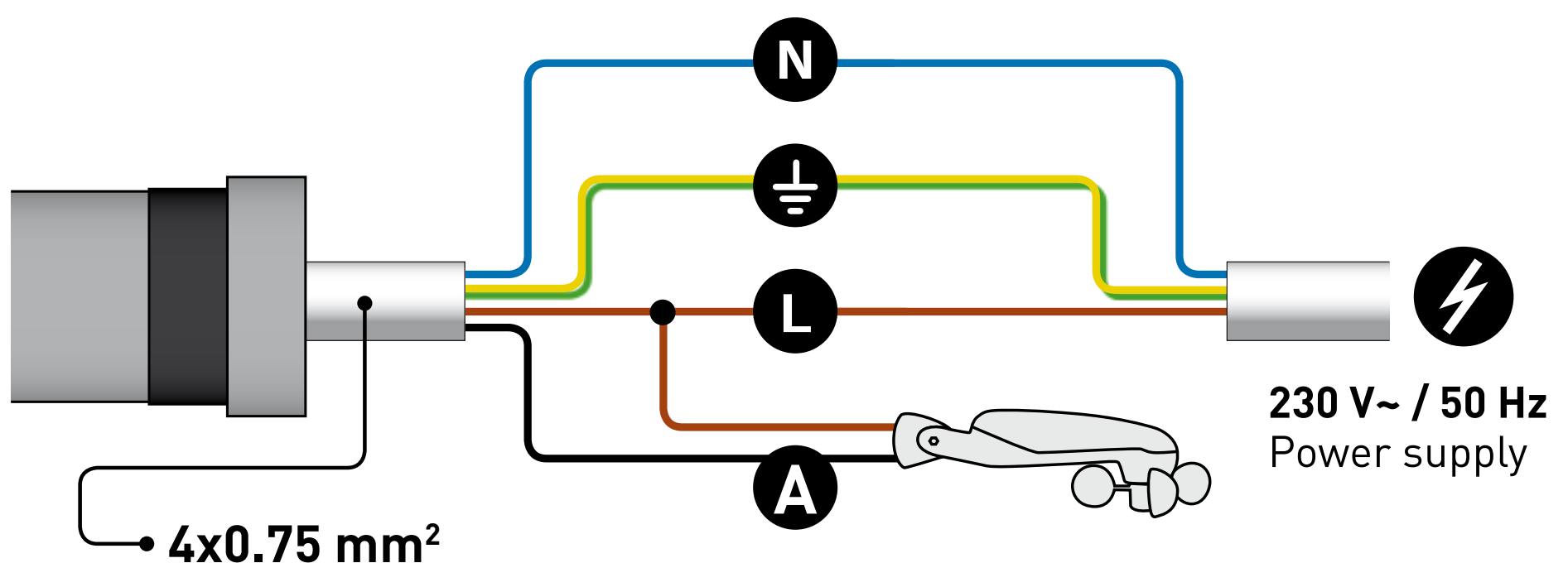


Check that the mains voltage available on the system is as shown on the label. The motor mains connection should be executed according to the diagram on the next page, by qualified technicians able to operate in compliance with the rules.

ATTENTION: The power supply must contemplate a switching device with an opening distance between contacts of at least 3mm.

The motors connecting cables to the network can only be replaced with cables of the same type provided by the motor manufacturer.

- Do not connect more than one tubular motor to a single switch.
- Do not set the shutter/awning into motion while you are cleaning or servicing the device and disconnect the supply.
- The switch controlling the motor must be installed in full view, not higher than 1,5m and it must be kept far from moving parts.



N Neutral	Blue
⊥ Ground	Yellow/Green
L Phase	Brown
A Anemometer	Black

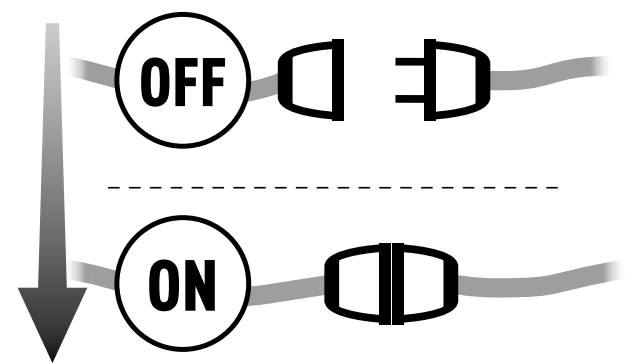


PROGRAMMING TRANSMITTER

CAUTION: If more motors with receiver have to be installed, it is important to power up **only one motor at time** during the first programming session, in order to avoid any interferences with others.

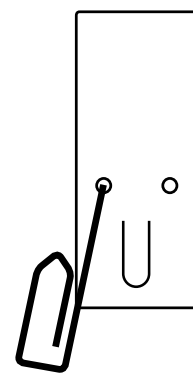
1

Power up the motor to be programmed.



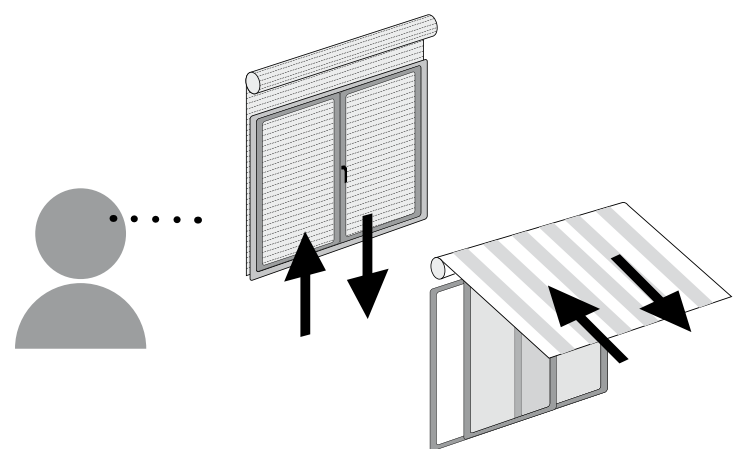
2

Press and hold the PROG-TX button until the motor starts moving.



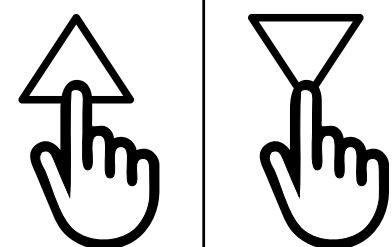
3

Check the rotation of the motor, then release PROG-TX (the motor stops).



4

Within 5 seconds press the corresponding button (i.e. UP if the motor rotates upwards or DOWN if vice versa). The transmitter has been programmed and the rotation of the motor has been synchronized.

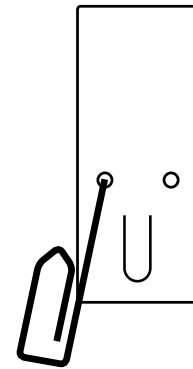




ADDING TRANSMITTER

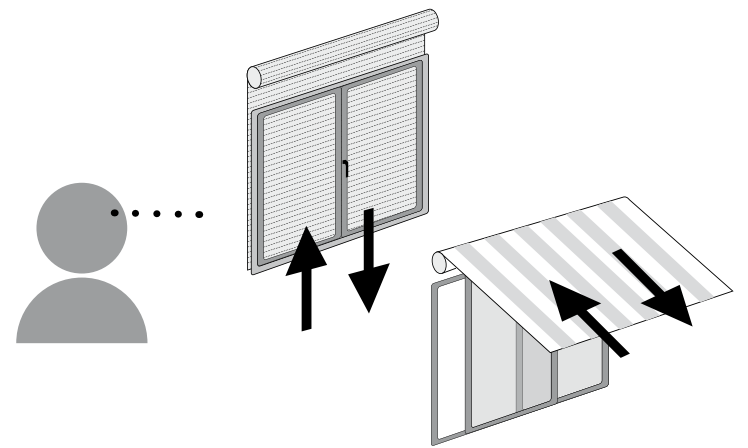
1

Press and Hold the PROG-TX button of a transmitter **already paired** until the motor starts moving.



2

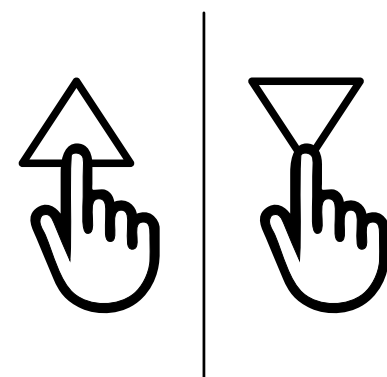
Check the rotation of the motor, then release the PROG-TX button (the motor stops).



3

Within 5 seconds press the corresponding button (i.e. UP if the motor rotates upwards or DOWN if vice versa) on the **new transmitter being added**.

The new transmitter has been programmed and the rotation of the motor has been synchronized.

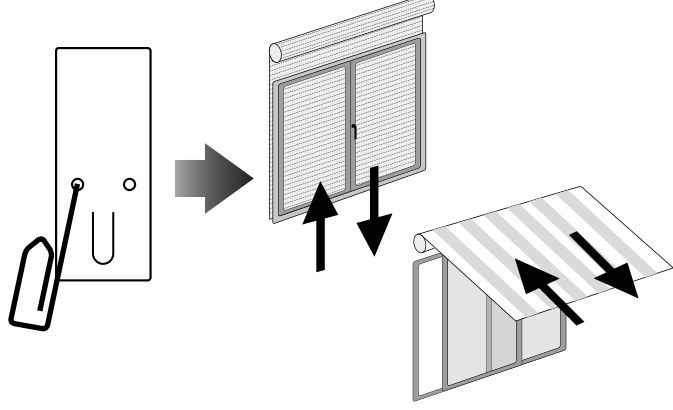
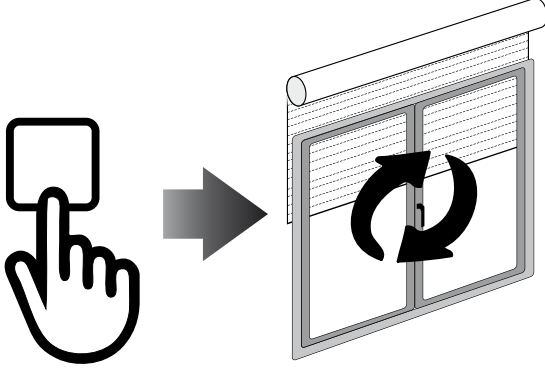




CHECKING/CHANGING DIRECTION

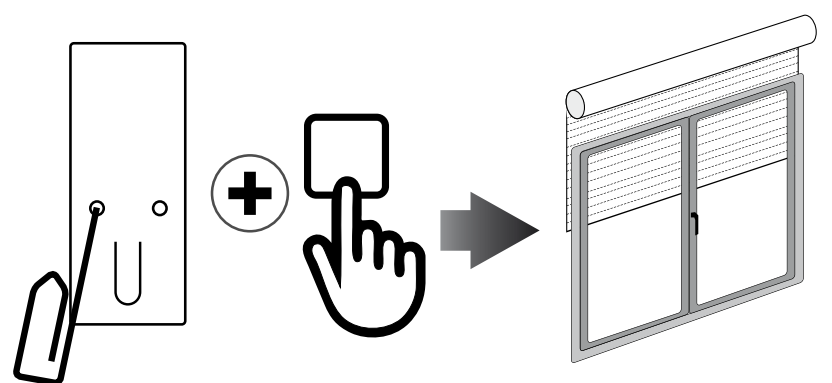
IMPORTANT: change direction must be performed before starting limit setting otherwise limits must be reset.

Press UP or DOWN the motor should go UP or DOWN, otherwise to change direction:

- | | | |
|----------|--|---|
| 1 | Press and hold the PROG-TX button until the motor starts moving |  |
| 2 | Press STOP: The motor makes a brief jog. Direction of the motor has been reversed. |  |

ERASING TRANSMITTER

Push simultaneously the PROG-TX button and STOP of the transmitter until the motor makes a brief movement in both directions.
Only the transmitter used for this procedure has been deleted from motor memory.

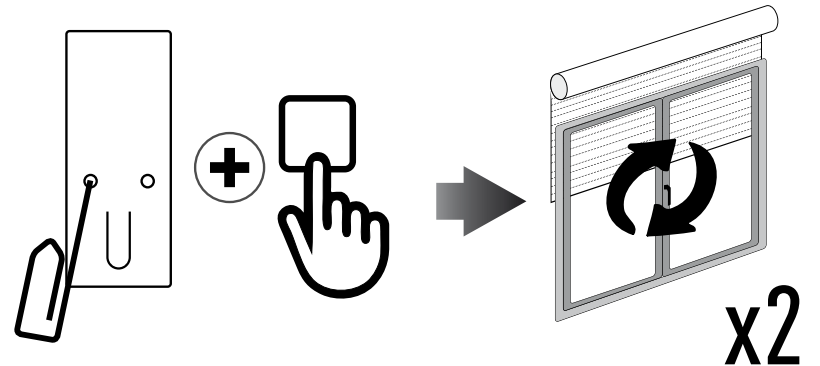




RESET MOTOR MEMORY

OPTION 1 - Using an already programmed transmitter

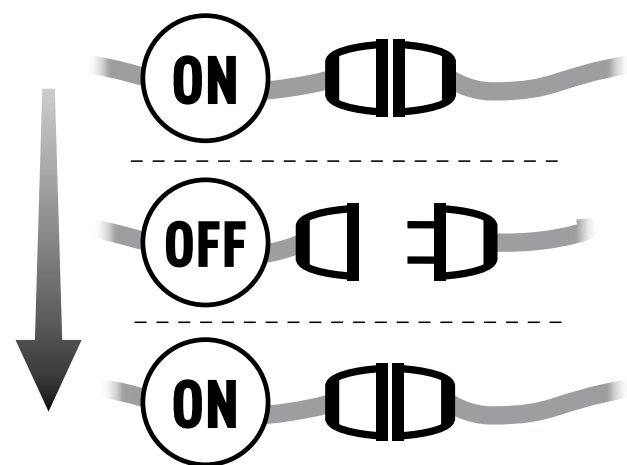
Press and hold both the PROG-TX and STOP buttons until the motor makes first a brief jog and, after a while, a second, long jog. Memory is now empty.



OPTION 2 - Without an already programmed transmitter

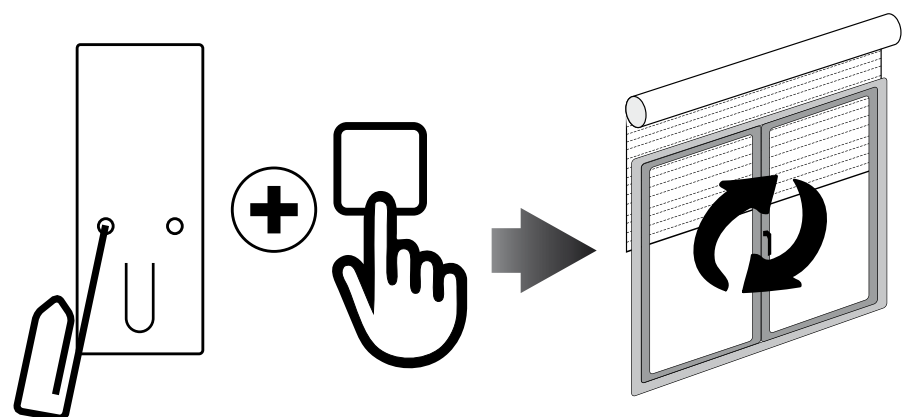
1

Switch the motor power supply OFF. Then switch it ON.



2

Within 8 seconds, using any Gapososa transmitter, press and hold both the PROG-TX and STOP buttons until the motor makes a long jog. Memory is now empty.



SETTING THE LIMITS SWITCHES



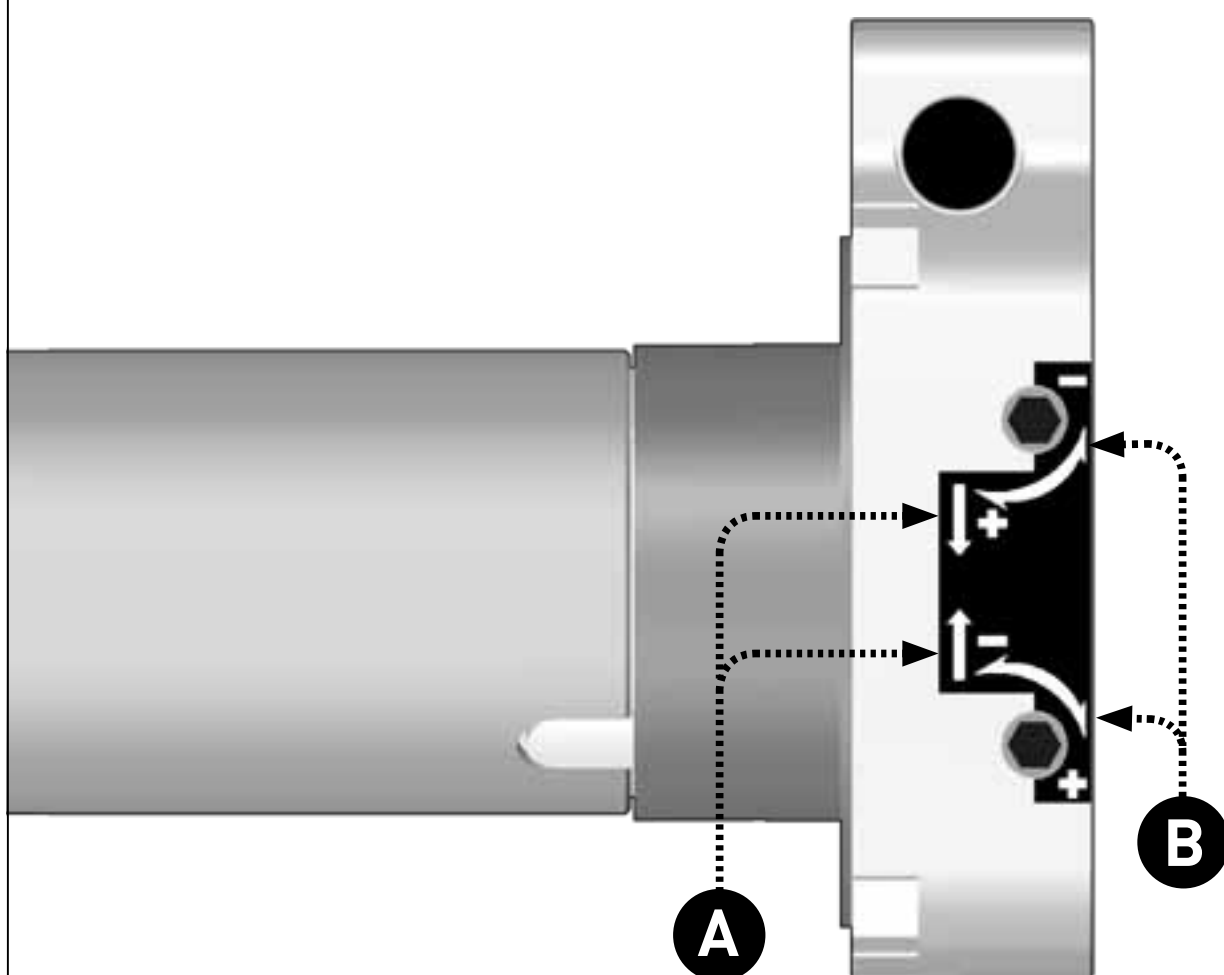
Motors are supplied with pre-set limit switches, in order to allow two turns in both directions.

IMPORTANT: Limit-switches setting procedures shown are valid for right and left side installation.

IMPORTANT: The procedure shown is valid for shutters installed in internal boxes and for awnings with rear-motor winding. In case shutters are in an external box or awnings wind front-motor, the setting-screws must be read reversed (ex.: up as down and vice versa).

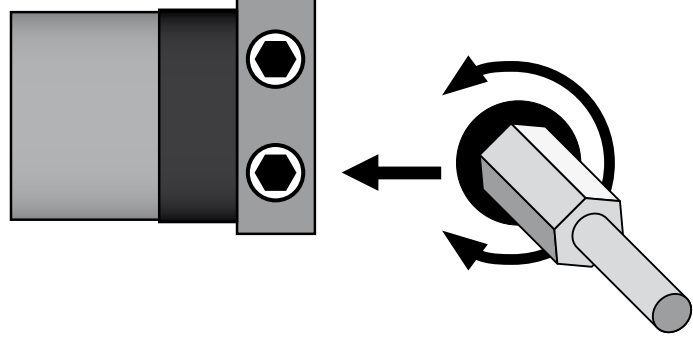
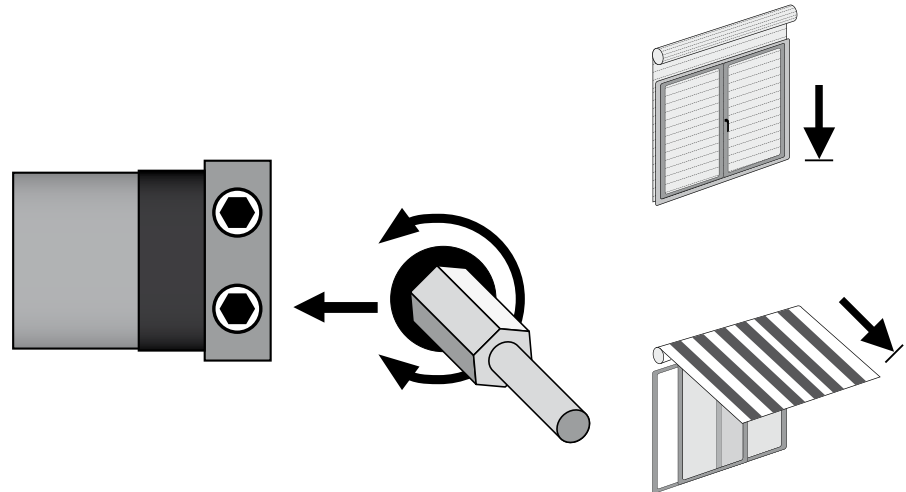
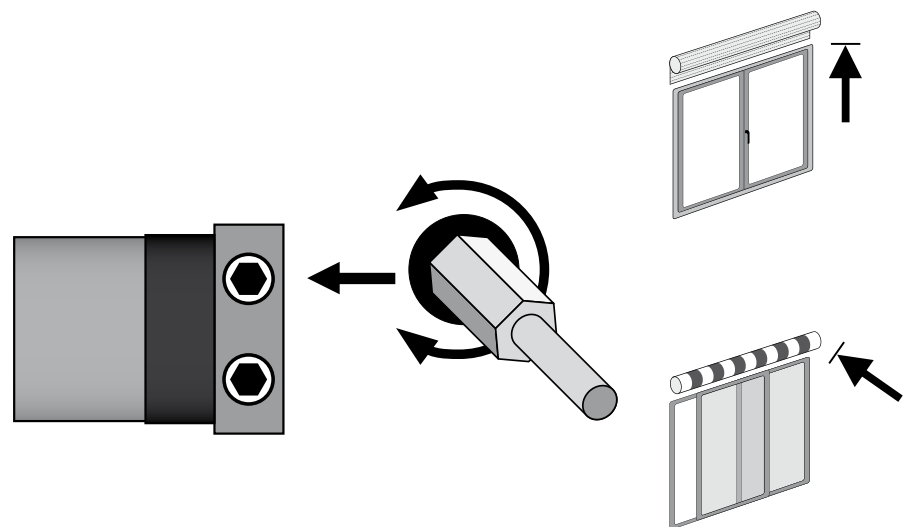
NOTES:

- Arrows **A** indicate the direction of rotation controlled by each adjusting screw.
- Arrows **B** indicate the screw direction for increasing **+** or decreasing **-** revolutions controlled by the limit-switches.



SETTING THE LIMITS SWITCHES



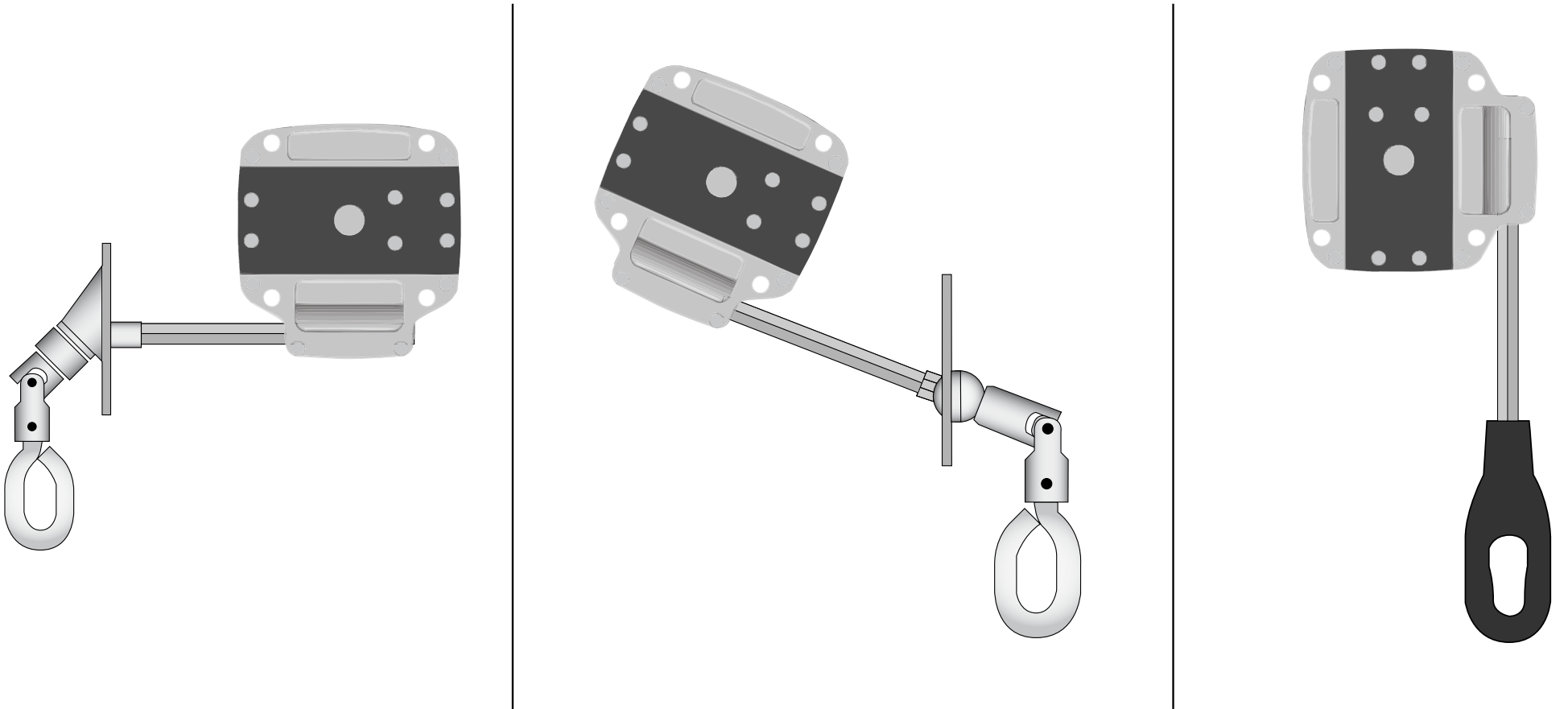
1	<p>After installation and before fixing the shutter/awning at the tube, activate the motor downwards until it stops. ATTENTION: Check that the motor/tube turns in the right direction.</p>
2	<p>Turn the lower screw to + so that the tube reaches the best position for its connection with the shutter/awning.</p> 
3	<p>Fixing the shutter/awning at the tube and then turn the lower adjusting screw to + or - in order to set the exact desired "down" position.</p> 
4	<p>Open the shutter/roll up the awning until it does not stop and then turn the upper screw to + till the shutter/awning reaches the exact desired "up" position.</p> 

In case you need to correct the "up" limit position, because it's over, close the shutter/roll the awning down) shortly, then turn the upper adjusting screw to **-. Repeat then the sequences from point 3.**

MANUAL OVERRIDE



Motor with manual override in some installation examples



IMPORTANT:

- The motor with manual override must be installed orthogonal to the fixing plate and in a roller tube perfectly horizontal.
- The manual override device on the head of the motor (cardan-joint with eye or shaft with eye) must be fixed not higher than 1,8m.

