

Procedure for setting the winding motor limit switches.

1. After assembling the winding tube, insert and fasten the motor and connect the inlet cable to the control unit.
2. To reel or unreel the canvas or blinds is performed by turning the tube to which the canvas is attached by means of laces with special plugs that are inserted into the groove in the tube. The tube is rotated by the engine that is inserted in the tube. The engine has two inside limit switches whose settings can be used to define the required deployment length.

The maximum number of tube revolves from the beginning to the end is 28. The number of tube-revolves can be changed by setting the limit switches (KS). KS can be set by two adjustable screws that can be adjusted by a plastic rod included in the set (rotating the plastic rod, approximately, five times changes the rotation of the tube by one revolve). Looking at the part of the engine where the adjustable elements of end-switches are located (rear view of the motor) there is an adjustable element located on the right which sets the rotation of the tube **in the clockwise direction**. The left side is used to set the direction **counterclockwise**. This information is very important as the engine can be located on the left or right side of the tube and so it is **not possible** to talk about **winding** or **unwinding** the canvas or blinds, but only **rotation in a clockwise or counterclockwise** direction.

The setup Procedure:

Without the canvas or a blind attached, start the engine **clockwise**. The motor stops after a certain time. The stop is determined by the momentary setting of the limit switch for clockwise movement, use **the right adjuster**. Slide the plastic rod into the **right adjustment hole** and see if the movement can be extended (if needed) by turning the plastic rod to the **right**.

3. To reduce the number of revolutions of the tube, or **shorten the length** of the canvas movement, turn the right screw **to the left**. To increase the number of revolutions of the tube, or to **extend the length of the canvas movement**, turn the right screw to the **right**.
4. Now we start the reverse run or **counterclockwise** movement. And let the motor reach the KS again. Now adjust the movement with the left screw. Shorten the movement **by turning the left screw to the left**. Shorten the movement and try.
5. Now we connect the strings from the tarpaulin/canvas (blinds) and start winding. With the appropriate winding screw, we now preset the motor to be switched off a little earlier so that the tarpaulin/canvas (blinds) do not turn over, and gradually turn the screw clockwise and extend the winding until the required limit is reached.
6. When setting the unwinding, proceed similarly, but adjust the KS with the second screw.

Short overview

Extension and/or shortening of switch-off positions

Clockwise = right adjuster (moving left to shorten, moving the element to the right lengthens)

Counterclockwise = left adjuster (moving left to shorten, moving the element to the right lengthens)

