

After the venetian blind motor has been installed, attach these instructions to the cable for the use of the electrician.

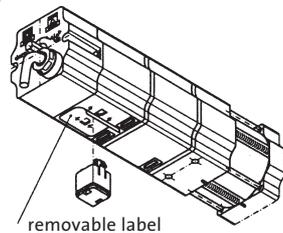
Mounting instructions

Mounting of the safety cut-out „right hand installation“

Remove label on the bottom side of the limit switch housing and insert the safety cut-out with **orange** or **black** cap in the openings and engage it in such a way that the orange or black pressure pin points towards the side of the orange adjustment push-button **UP**. If the supplied safety cut-out cannot be used, e.g. due to lack of space, then the label must not be removed since it protects the inside of the limit switch against dirt.

If the safety cut-out is not long enough, it can be extended by 10 mm at a time with the safety cut-out extension (article number 16 101.4501). (Maximum of 3 safety cut-out extensions can be plugged on).

Insert the blade of a small flat screwdriver into one of the grooves on the orange cover and by pressing the blade towards the middle of the safety cut-out, lever off the cover. Clip on the extension and then clip on the cover again.



Mounting of the QuickSnap coupling for JA

1. Apply coupling at an angle whilst observing the position of the coupling with respect to the shaft: The stop spring should slide on the upper surface of the hexagonal shaft.
2. Push coupling a little further until the spring audibly latches into the groove. (Click).
3. If the groove is covered by a bearing or lockwasher, the hexagonal shaft can be correspondingly pushed back until the coupling spring latches into place.
4. By pulling it by jerks check that the coupling is securely seated.

Dismantling of the QuickSnap coupling for JA

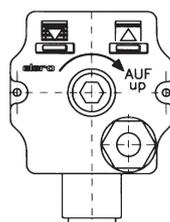
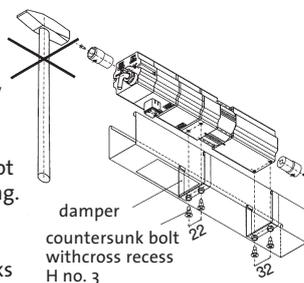
Do not forcibly remove the coupling.

1. Lift up the motor coupling retaining spring on the shaft with a small screwdriver.
2. Pull off the coupling.

Installation in headpiece

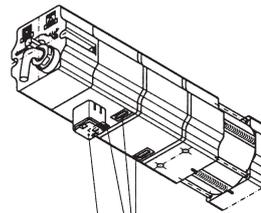
Installation instructions:

- Install drive without restraint, in **correct position (safety cut-out showing downwards)**, and properly aligned with the shafts in the venetian blind head.
- Impacts (e.g. hammer blows) are not permitted on drive, shaft or coupling.
- The axle height of the drive is 27.5 mm. See JA accessories for dampers for different bearing blocks axle heights.
- Make sure that the shaft is not radially loaded.
- Make electrical connection with installation cable (article number 23 246.0001) and check the turning direction of the drive shaft according to the direction advice on the front of the limit switch housing. Travel to the lower end position again with the **DOWN** pushbutton.
- Couple drive to shaft. Note the correct setting for the slats.



Left-hand installation is not possible with JAR drives.

Setting instructions:



Safety cut-out
Adjustment push button (white) **DOWN**
Adjustment push button (white) **DOWN**
Adjustment push button (white) **DOWN**

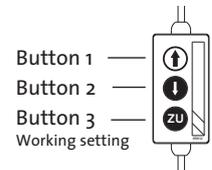
Venetian blind drives are supplied from the factory already set to the lower end position “**Ab1**” (Down1). Connect installation cable to venetian blind drive.

Setting the upper end position::

Setting of the upper end point is only necessary if the end position is located ahead of switch-off by the safety cut-out. Otherwise the venetian blind is only switched off by the safety cut-out.

- Move venetian blind upwards with the corresponding push button.

- Simultaneously press the orange adjustment button and hold it down for at least 5 seconds. (Adjustment button remains latched.)



Advice

This must have taken place at latest 0.5 m before reaching the end position. After pressing the adjustment button it must stay latched in.

- With the help of the installation cable travel directly to the upper end position (fine adjustment by means of inching operation with the installation cable).
- By changing the direction of travel the adjustment button is automatically unlatched and the upper end position is then set.

Setting the lower end position:

It is not normally necessary to set the lower end position since the venetian blind drives are set to the lower end position in the factory. If it is necessary however the setting takes place in the same way as for the upper end position.

- Move venetian blind downwards with the corresponding push button.
- Not less than 0.5 m before reaching the lower setting **press in the two white adjustment buttons AB1 and AB2 (Down1 and Down2) at the same time and keep them pressed for at least 5 seconds.**

Advice:

This must have taken place at latest 0.5 m before reaching the end position. After pressing the adjustment button it must stay latched in.

- With the help of the installation cable travel directly to the lower end position (fine adjustment by means of inching operation with the installation cable).
- By changing the direction of travel the adjustment button is automatically unlatched and the lower end position is then set.

JAR Venetian Blind Motors

Adjustment of the working setting:

- Run venetian blind approx. 0.5 m in the “up” direction from the lower end position. Then close the Venetian blind by means of the “ZU” (closed) button and press in the “single white” individual button “Ab2/zu” (down/closed) and keep it pressed for approx. 2 turns of the shaft.
- In inching mode press the “ZU” (closed) button meticulously until the slats are completely closed.
- By reversing direction (upwards movement) unlatch the “Ab2/ZU” (Down2/Closed) adjustment button – the working setting is adjusted.

Advice

When making adjustments with the “Ab2/ZU” (Down2/Closed) adjustment button the lower end position is over-run, see also the wiring diagram.

Readjustments:

If the respective end position is not accurately set or if the end positions have changed due to changed winding behaviour of the venetian blind, then the end positions will have to be reset as described above.

With the help of the installation cable the venetian blind should be moved back to about 0.5 m before the desired end position.

The limit switch range is 85 revolutions of the shaft.



Important safety advices!

Observe the following instructions.

Risk of injury due to electrocution.

The connections to the 230 V mains must be made by authorised specialist personnel.

The regulations of the local energy supply company as well as the regulations for wet and damp rooms according to VDE 0100 must be followed when making the connections.

Only use unmodified original elero electrical parts.

This drive is suitable only for interior and exterior venetian blinds. For other applications please contact the manufacturer.

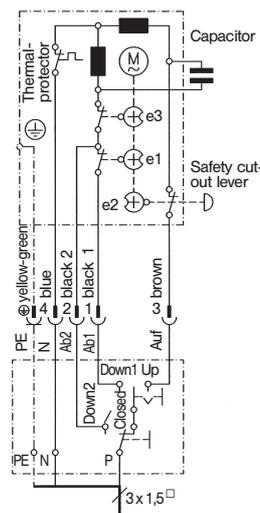
Assembly

- The drive must be fixed in such a way that it is not a danger to personnel.
- Before the drive is installed, make sure that the fuses are switched off.
- During installation, during operation and when work is carried out on the system, the option to separate all three poles from the mains must always exist (Hirschmann connector and Hirschmann coupling or a two-pole switch with minimum 3 mm contact gap or all-pole main switch).
- When installing JA drives in systems, devices or machines the installer must ensure that electromagnetic compatibility is maintained.
- The system should be checked at regular intervals for wear or damage.
- The drive may only be installed in such a way that it is not directly subject to the influence of the weather.
- Note the technical data for the motor.
- Keep children away from the controller and remote controller.
- If the drive unit is operated by a pushbutton, it should be fitted in a position from where the window can be seen and at a height of not less than 1.5 m.

Advice

The guarantee will lapse if the electrical connections are incorrect, if the installation work has been carried out improperly or if repairs, interventions and changes have been made by unauthorised people!

Connection Example



e1 – final end switch “AB1” (Down1)

e2 – final end switch “AUF” (Up) with safety lever

e3 – additional final end switch “AB2/ZU” (Down2/Closed)

During installation provision must be made for an all-pole disconnection from the mains supply, e.g. with a 4-pole Hirschmann plug.

Press switch with separate button for venetian blind motors with additional limit switch.

Advice

When changing direction the drive must first be dead for at least 0.5 seconds.

Caution!

Due to feedback voltage from the capacitor motors must not be connected in parallel!

Connection of 2 or more venetian blind drives is only possible with:

- a central or decentral control system or
- a multi-pole interlocking venetian blind switch. (see elero control system catalogue)

The connecting cable may only be replaced by an authorised elero service workshop or at the elero works.