

1. Important security advices

Attention – to assure the security of persons, it is absolutely necessary to observe these instructions.

The instructions have to be filed. Children are not allowed to play with stationary control systems, remote control devices have to be kept away from children. The system has to be controlled frequently on signs of wear or damaged cables.

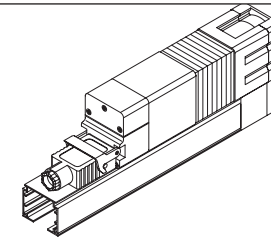
2. Important security instructions for mounting: ATTENTION – wrong mounting may lead to severe injuries.

Observe all - mounting instructions – particularly the connection instructions on page 4.

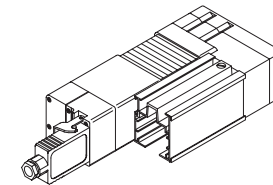
Subject to technical modifications.

sundrape® Electro drive Vertical blinds End position adjustment and junction

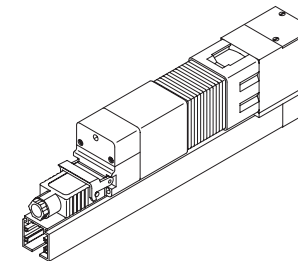
Star Elektra



Star Elektra
with special rail



Corvus

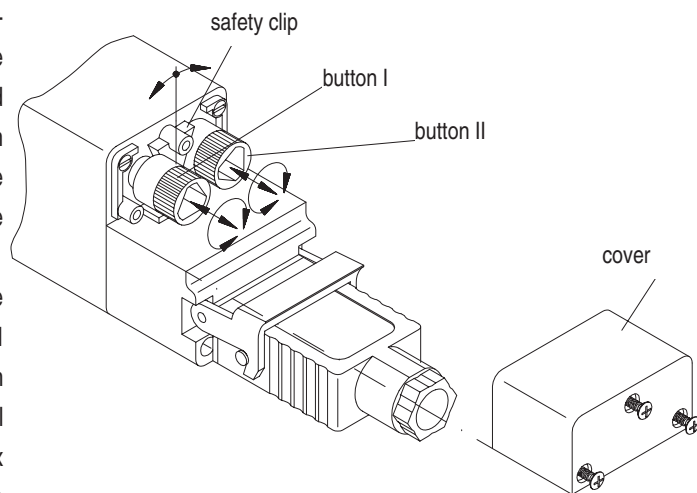


Attention! Please do not miss to read!

Please read the instructions for use carefully. In case of damages that have been caused by disregard of the instructions for use, the guarantee expires. For consequential damages resulting of it, we do not assume any responsibility.

End position installation of assembled sundrape electro drives

Drive runner approximately in centre of rail. Release screws in cover lid and remove them in direction of arrow. Now you can see the two buttons for the end positions.



1. Push safety clip to the back and press button I down. Turn button I (both directions possible) until all three grooves of index rings are visible in one line and switch noise of the microswitch becomes audible.

2. Connect test cable* and switch on for the inactive direction of movement. When the motor starts going, choose other switching position at the test cable.

ATTENTION!

Setting of the end positions is made with buttons I and II only - Turn button I by hand (both directions possible) until motor starts running. Hold button I until runners have assembled to a distance between each other of abt. 10 mm. **Attention: with Corvus blinds it is essential to watch a safety distance of 10 mm (side of stack).** First end position is set. Turn off operating switch

3. Pull out button I carefully without turning and let it click into place.

4. To set second end position, push safety handle across centre position, press button II. Turn button II (both directions possible) until all three grooves of index rings are visible in one line and switch noise of microswitch is heard.

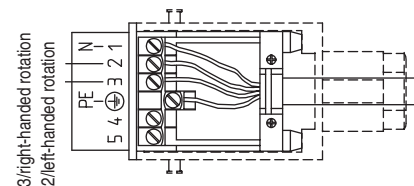
5. Turn on operating switch for opposite running direction. Turn button II by hand (both directions possible) until motor starts running. Hold button II until first runner has reached a distance of half the width of a louvre to the end of the blind. **Attention: with Corvus blinds drive onto the snapper and do not go beyond this position.** Second end position is reached. Switch off operating switch.

6. Pull out carefully button II without turning it and let it engage.

7. Shift safety handle precisely to the middle and fix lid.

8. Test both setting and re-adjust, if necessary.

Attention: with tandem blinds one motor only is set.



N	= neutral conductor	(neutral blue)
right-handed rotation	= control wire	(right brown)
left-handed rotation	= control wire	(left black)
PE	= protective conductor	(PE yellow/ green)

Instruction for electrical connection of sundrape® electric vertical blinds

Before installation of the electric drive, all unnecessary wires are to be taken away and existing installations which are not necessary for a use with electric supply are to be deactivated. When mounting electric drives which are operated by touch contact switch, the touch contact switch has to be installed near the system, however at a safety distance to moving parts and above a height of 1,5 m. For drives delivered without moving parts, the reference turning moment and the reference working duration have to be compatible with the characteristics of the running part.. Do not exceed the maximum turning moment. In case you need more detailed information, please contact the manufacturer.

Connections and supply lines to be installed at the building-site by authorized electro-firms in compliance with official regulations. In order to avoid backing ups of currents in the condensers of running motors, operate the motors separately. A separate contact for each rotation direction of the motors is required (for decoupling purposes). For controls of more than 2 motors a group control is required. . Control types for sundrape electro blinds:

- single
- in groups with central control
- by radio remote control
- automatic and central control

Cable laying plans and wiring diagrams are submitted on request.

Data motor plug:		Technical data:	
type	TK3 = 4 pole TK5 = 6 pole	voltage rating	230 V 110 V
voltage	230 VAC	nominal rating abt	30 W 30 W
fuse protection	10 A	rated current	0,13 A 0,26 A
system of protection	IP 30	frequency	50 Hz 60 Hz
group of isolation	B	operation mode	S3 50% S3 50%
		direction of rotation	ri + le ri + l

for dry rooms only

*) test cable type A1 order No. 206 820
test cable type A2 order No. 206 821

No warranty if these instructions are not followed. Subject to technical modifications.



Safety instructions

Before starting sundrape® electric motors, group controls and radio remote controls carefully read technical instructions for connexion, mounting and operation.

In case of damages caused by disregarding these instructions, the guarantee expires. For consequential damages we do not assume any responsibility.

Attention – to assure the security of persons and facilities these instructions have to be observed absolutely! File the instructions carefully!

This device is not designed for employees (including kids) with limited physical or mental skills or sensory perception or for persons with a lack of experience or knowledge, unless they are supervised by a person who is responsible for their security or unless they received instructions how to use the device.

Children are not allowed to play with stationary controls and electrical systems. Keep radio remote control devices away from children! Kids should be watched to make sure that they do not play with the device.

The system has to be checked regularly on signs of wear or damaged electrical lines.

Attention – inadequate mounting can cause severe injuries!

Before you start maintenance work on electrical blinds, always cut off power supply. The same applies to window cleaning work, if contact of humidity and cleaning agents with the electrical systems is possible.

Connexion instructions for sundrape® electric motors

Connexions and supply lines have to be passed on site by authorized electricians according to VDE (German Electrical Engineering Association) and local EVU (electric supply company) instructions.

For controls of two and more motors a group control is required. Cable laying plans and wiring diagrams for group and central controls as well as remote controls can be submitted on request. Switch off unused lines and systems before you connect the motor. Place push-buttons above a height of 1,5 m near the system.

Allowed running periods and torques have to correspond with the motor's technical data.

In order to avoid backing ups of condensers of running motors, parallel connexion of two or more motors at one exit is prohibited. For decoupling purposes a separate contact for each direction of rotation is required. Use only mechanically or electrically locked switches and push-buttons. Switches and controls may not permit concurrent up and down operation! The time to change the running direction from up/down to down/up has to be at a minimum of 0,5 seconds. This applies also for programmable control devices.