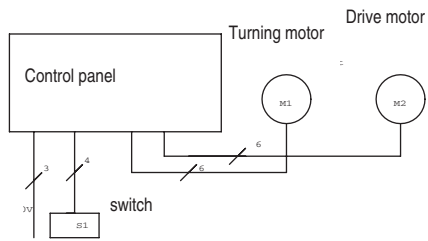
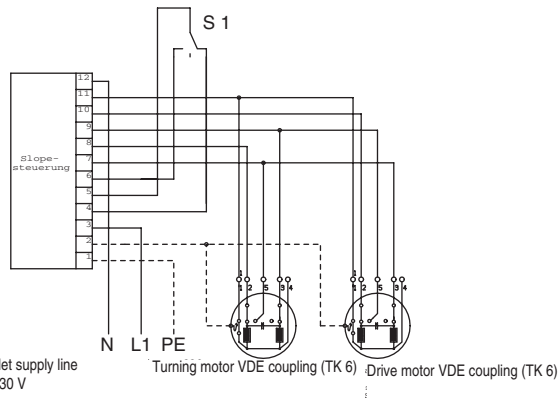


Diagram for laying cables



Net 230 V

Supply terminal - control



Net supply line
230 V

Instruction for electrical connection

In order to avoid backing ups of currents in the condensers of running motors, a parallel switch for slope installations is not advised.

A separate contact for the decoupling exists for each turning direction of the motor. For a simultaneous control of more than 2 slope installations, a group control is required.

S1: Single switch or control entrance from, group control

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.

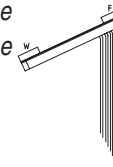
2. Important security instructions for mounting: ATTENTION – wrong mounting may lead to severe injuries. Observe all mounting instructions – particularly the connection instructions on page 4.

sundrape® Star A1 Slope Elektra End position adjustment and junction

Process of function

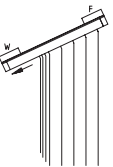
I.

In the initial position „package“ the louvres are in a 90° angle to the window.



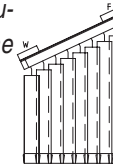
III.

When this position is reached, the louvres close automatically from 90° to a position parallel to the window.



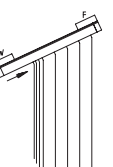
II.

When operating the switch, the louvres move without turning to the end position.



IV.

In the opposite direction, the louvres turn up to 180° after switching. Within this turning circle, the louvres can be stopped or turned back at any time. When the 180° position is reached, the drive motor receives a signal to activate traversing and simultaneously, the louvres turn to 90° and remain in this position until a following closing procedure is terminated. A stop of the blind while traversing is not possible. It drives right to the respective end position.



F = drive motor

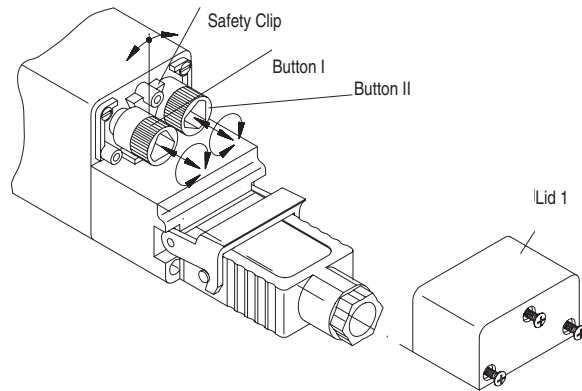
W = traverse motor

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.

Subject to technical modifications

Attention: The limit switch of customer-made verticals is made at the production plant. The motor for rotation is already set.



End position installation of assembled sundrape electro drives

Drive runner in centre position of rail. Release screws in cover lid (I) and remove them in direction of arrow. Now you can see both buttons for the end positions.

1. Push safety clip backwards and press button I. Turn button I (both directions possible) until all three grooves of the indexing plate are visible in one line and the cams in the microswitch snap into position audibly.

2. Connect operating switch with the slope control panel to the drive units. When operating the switch the louvres can only be turned.

a.) Turning of louvres parallel to the window

b.) Turning of louvres in 90° position to the window

Initial position is the 90° position of the louvres to the window.

Attention!

Setting of the end positions is done with buttons I and II.

ATTENTION!

Setting of the end positions is done with buttons I and II of the drive only. The end positions of the turning motor are set at the factory and must not be altered.

Turn button I or II manually (both positions are possible) until the drive motor works. Hold button until the runners have assembled to a total distance of abt. 10 mm between them.

First end position is reached.

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

4. Press the safety clip for the second end position setting over the centre position. Press the other button inwards and turn (both directions possible) until all three grooves of the indexing plate are visible in one line and the cams in the microswitch snap into position audibly.

5. Remove connecting coupling from turning motor.

6. Switch on operation switch for reverse running direction. Turn button II by hand (both directions possible) until motor starts running. Hold on to button until the first runner has reached the calculated end distance.

Second end position is set.

7. Pull out button carefully without turning it and let it click into position.

8. Thrust safety clip exactly to the centre and screw on lid I.

9. Plug in connecting coupling of turning motor. The turning motor at once turns the louvre parallel to the window.

10. Bring operating switch to the 0 position.

Thus the end position is achieved.



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.