



## ***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.*