

USER MANUAL – ROLLER BLINDS CONTROLLER

Characteristics of the roller blind controller

The device is designed for controlling roller blinds equipped with electric motor with power up to maximum 150W, 230V 50Hz electric mains-operated. **Note: One controller operates only one blind.** To open or close the blind press upper part of the button of the SR-1 controller (opening: „+”) or bottom part of the button (closure: „-”).

The controller is equipped with a memory module that makes it unnecessary to hold down the button throughout the whole time the roller blind is working. Activated roller blind can be stopped at all time by another pressing the button in the direction it is currently moving. This way, any intermediate position of the roller blind can be achieved. While the blind is moving, at any time the direction of its movement can be changed into the reverse one and it is possible by pressing the button in the direction opposite to the current direction of the blind. In that case, after pressing the key, the blind shall stop for a moment, and next shall automatically change the direction.

The controller is equipped with optical signalling system with bicolour LED light (red and green). Red colour of the LED diode indicates that the blind is stopped, whereas green colour indicates movement of the blind. Additionally, the controller is fitted with a function that detects activation of limit switches, the roller drivers are equipped with. In that case, during motion of the blind, which is indicated by green colour appearing in the window of the button, the controller shall automatically cut the power supply to the engine as soon as the blind reaches the limit position, which in turn shall be indicated by change of the light colour from green into red.

Depending on the type of the controller, remote control is possible with use of remote transmitter in system RC-5 (a system of most recent audio and video appliances for remote control). It is possible to programme two selected buttons for opening-closure functions.

Technical data

Power supply	230V 50Hz
Load range	50 – 150W
Type of load	Inductive – single phase motor 230V 50Hz
Fuse	T 1,6A 250V
Type of work	Intermittent
Cross-section of power supply cords	1,5...2,5mm ²
Cross-section of control cords for extension SR-1EXT	0,5...1,5mm ²
Dimensions	88x80x43
Protection index	IP20

Provided functions

Opening and closure of the roller blind
Two-way manual control
Remote control with a remote transmitter in RC-5 system (two-way)
Programming control functions (for remote transmitter in RC-5 only)
Optical signalling (LED)

Warranty terms

The guarantee is provided for a term of twelve months from the date of purchase. The defective controller must be delivered to the producer or to the seller with a purchase document. The guarantee does not cover fuse exchange, mechanical damage, damages raised by self-repair or improper use.

The warranty period shall be extended by the duration of the repair.

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INSTALLATION MANUAL

Installation

1. Deactivated main fuses of the electric home installation.
2. Press and remove the button of the controller with use of a screwdriver, proceed similarly with the frame.
3. Strip 7 mm of the insulation of the power supply cords and with use of the schema connect them under the clamping pads (the phase cord under the clamp "L", the outlet cord for "Open" direction under the clamp "↑", the outlet cord for "Close" direction under the clamp "↓").
4. Use fastening screws or resilient clips and assemble the controller in the installation box (with the clamping pads to the bottom - this shall enable proper mode of action).
5. Assemble the frame and next the button of the controller (with the window to the top). Press carefully the button on the sides, in a place where latches are, until characteristic 'click' can be heard.
6. Activate the main fuses of the electric home installation (if the load is properly assembled to the controller, the diode LED shall optically indicate presence of the supply voltage).

Fuse exchange

1. Deactivate main fuses of the electric home installation.
2. Press and remove the button of the controller with use of a screwdriver.
3. Use of a screwdriver to press and take out from the box the holder with the fuse.
4. Exchange the blown fuse into the one determined in the technical data chart.
5. Insert the holder with a new fuse.
6. Assemble the button of the dimmer (with the window to the top).
7. Activate the main fuses of the electric home installation (if the load is properly assembled to the controller, the diode LED shall optically indicate presence of the supply voltage).

Malfunction type	Additional information	Possible cause	Procedure
The controller does not work	The optical indicator LED - does not flash	No voltage supply	Check fuses of the electric home installation
		A blown fuse in the controller	Exchanged the fuse following the instruction
		No load (broken drive system of the blind or overheated engine)	Check drive system or wait until the engine cools down
The controller does not work	The optical indicator LED - flashes	Electronical system of the controller is broken	Forward the controller to the service
Reverse action with manual control		The controller is assembled into the installation box in a reverse way	Turn the controller in the opposite direction (by 180°) so as the clamping pads are at the bottom

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USER MANUAL AND PROGRAMMING GUIDE

Manual control

Complete opening and closure of the roller blind

- Press and hold for a while the top part of the button „+” - the blind shall start opening, which shall be indicated by the diode LED lit in green. After the blind is completely open it shall stop, which shall be indicated by the diode LED lit in red.
- Press and hold for a while the bottom part of the button „-” - the blind shall start closing, which shall be indicated by the diode LED lit in green. After the blind is completely closed it shall stop, which shall be indicated by the diode LED lit in red.

Partial opening and closure of the roller blind

- Press and hold for a while the top part of the button „+” - the blind shall start opening, which shall be indicated by the diode LED lit in green.
- Press again the top part of the button „+” - the blind shall stop, which shall be indicated by the diode LED lit in red.
- Press and hold for a while the bottom part of the button „-” - the blind shall start closing, which shall be indicated by the diode LED lit in green.
- Press again the bottom part of the button „-” - the blind shall stop, which shall be indicated by the diode LED lit in red.

Change of direction during opening and closure of the roller blind

- Press and hold for a while the top part of the button „+” - the blind shall start opening, which shall be indicated by the diode LED lit in green.
- Press and hold for a while the bottom part of the button „-” - the blind shall stop for a while (which shall be indicated by the diode LED lit in red), and next it shall automatically change the direction into closing, which shall be indicated by the diode LED lit in green.
- Control in the reverse directions proceeds in a corresponding way.

Double action remote control from remote transmitter in RC-5 system

NOTE!!!

Programming run shall be performed with the first use, so as the controller realized suitable steering functions throughout pressing one of the two selected buttons on the remote transmitter.

Programming run for „Opening” function

Press and hold down selected button on the remote transmitter for “Opening” function (the LED flashes red), next press and hold down the top part of the button '+' of the controller. In this moment the LED extinguishes, and after decoding and remembering signal from the remote transmitter it shall flash once in green colour. After such signalling buttons on the remote transmitter and on the controller can be released. The command code selected on the transmitter shall be stored on the controller.

Programming run for „Closure” function

Press and hold down selected button on the remote transmitter for “Opening” function (the LED flashes red), next press and hold down the bottom part of the button '-' of the controller. In this moment the LED extinguishes, and after decoding and remembering signal from the remote transmitter it shall flash twice in green colour. After such signalling buttons on the remote transmitter and on the controller can be released. The command code selected on the transmitter shall be stored on the controller.

The controller programmed in such a way is ready operate with remote transmitter compatible with RC-5 standard.

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NOTE!!!

If during programming run the controller does not decode the command, which reveals in execution of single or double flashes in green colour with pressed buttons both on the transmitter and on the controller, it means the remote transmitter is compatible with standard other than RC-5.

Electrical schema

