«F&F»®

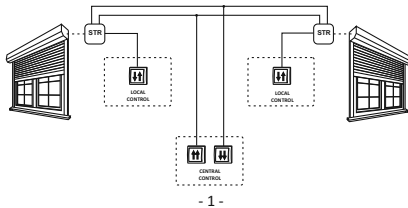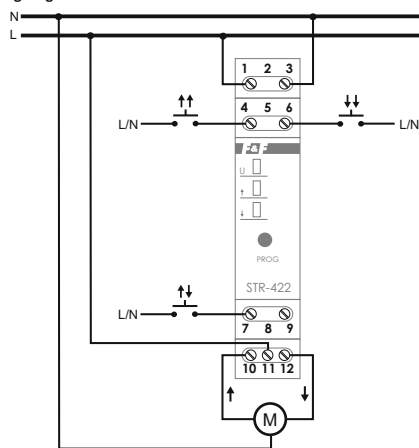| ROLLER BLIND CONTROLLER one-button type	STR-422 230 V

9 08312 591535

CE

Do not dispose of this device in the trash along with other waste! According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.

Purpose

The roller blind controllers STR-422 are designed for controlling roller blinds (up and down movement) or other devices (for example, gates) that are driven by a single-phase AC electric motor and operated by means of momentary switches (for example, bell-pushes). The controller can operate as an independent unit (designated for opening/closing one roller blind) as well as the controllers can be combined into groups that enable the central controlling of many roller blinds.

- 1 -

Functionig

Supplied the relay is to sigal by shine of green LED U. The roller blind motor is activated by the momentary switching of a current pulse (L or N) to one of the control inputs. The motor is activated at a time programmed previously by the user. The activation of motor is to signal by shine of red LED ↑ or ↓. Also, there is a possibility of stopping the rolled blind activated at a level selected by the user (non-complete opening or closing of the roller blind).

Control inputs of relay:

Local control - button connected to contact 7 that controls one roller blind.

↑-upwards (opening); ↓- downwards (closing).

Pressing the local control push-button activates the movement of the roller blind in a selected direction. If the roller blind is already moving, pressing the local control push-button will stop the roller blind.

Central control - a common group of push-buttons for many controllers (minimum two controllers) connected to contacts 4 and 6 that controls all roller blinds included in the central control system.
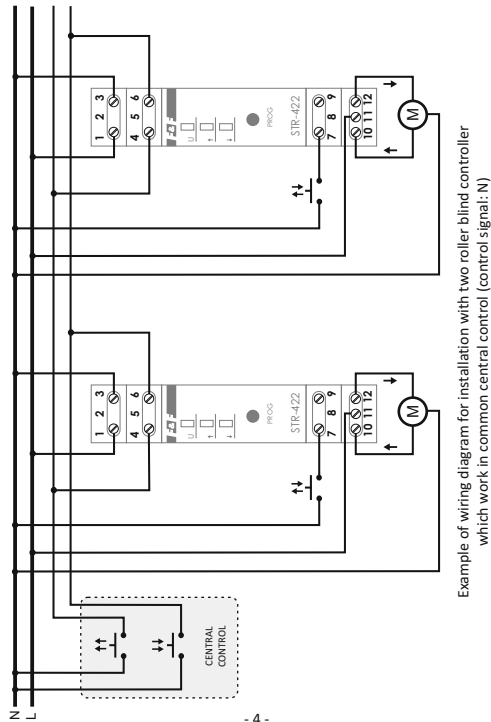
↑↑ - all upwards;   ↓↓ - all downwards.

Pressing the central control push-button activates the movement of the roller blinds in a selected direction. If one of the roller blinds is already moving in the same direction, its movement will be continued. If one of the roller blinds is moving in the opposite direction, this roller blind will be first stopped and then its movement will be activated in the direction in accordance with the command sent to the central input.

Attention!

The central control enables only activating the movement of the roller blinds in a selected direction. The roller blind will be stopped after the programmed movement time or when any of the local control push-buttons is pressed.

- 2 -

Wiring diagram

Description of connection:
1 - 3	supply 230V (L - N)
4	central control - to direction „UPWARDS" ↑↑
6	central control - to direction „DOWNWARDS" ↓↓
7	local control - to direction „UPWARDS" ↑ / „DOWNWARDS" ↓
10	supply of motor - output into direction „UPWARDS" ↑
11	supply of motor 230V (L)
12	supply of motor - output into direction „DOWNWARDS" ↓

Attention!

Control inputs could be supplied from a phase cable (L) or neutral cable (N). Make a choose of one control option for all inputs.

- 3 -

Example of wiring diagram for installation with two roller blind controller which work in common central control (control signal: N)

- 4 -

Programming time of enclose

1. Press and hold a button PROG for time when green LED U start to pulsate.
2. When we again press a button PROG (START). Controller start count a time which is to signal by pulsate of green LED.
3. Press again a button PROG (STOP). Controller remember a counted time. Programmin mode is automaticly closed (green LED U shine continually).

Attention!

* If at time 30 sec from activate programming mode a count of time doesn't to start, then controller will out from programming mode.
* Max time for programming 10min. Test by long time than 10 min to cause controller automatically out from programming mode.
* Input to programming mode posible is only when motor of roller is OFF.
* In programming mode a controller doesn't to react for outward control signal .

Assembly

1. Take OFF the power.
2. Put on the controller on the rail in the switchgear box.
   Attention!
   Do not install to device which is broken or incomplete.
3. Connect power cable to contact 1-3 with marks.
   Attention!
   Group of controllers which working with common central control should be supplied from the same phase e.g only L1.
   Attention!
   During assembly of controller should be take special care. Wrong connection could cause to give a shock and/or break controller or connected device.

4. Choose control option (control impulse L or N). Switch of local control and central control connect with marks with function to joint to choosen cable (accordance with choosen control option - L or N).
   Attention!
   All control inputs of controllers which works separately or in group should have to common control impulse option - all are controlling from the same phase, e.g. only L1 or all from N.
   Attention!
   Choosing control option from phase (L) to control inputs should be connect to the same phase as for supply e.g. only phase L1.
   Attention!
   Connection different phase e.g. L1 and L2; or phase L and "zero" N to inputs of control inputs of controller can cause to wrong work of system and break controllers.
5. Controlled roller motor connect properly to contacts 10 and 12 and to N. To contact 11 connect to supply (L) of motor.
6. Take ON the power.
7. Programm time of upwards/downwards of roller. Prescribed is that programmed time should be longer than 10 sec from real time of upwards/downwards.

Technical data

power supply	230V AC
current load (AC-3)	<1.5A
control pulse current for L/N	<1mA
switch-on time - programmable	0s÷10min.
power/programming indication	LED green
signalling activation	2×LED red
power consumption	1W
working temperature	-25÷50°C
terminal	2.5mm² screw terminals
dimensions	1 module (18mm)
mounting	on TH-35 rail
protection level	IP20

D171002