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MULTIFUNCTION
ROLLER BLIND CONTROLLER

FW-STR1P-P

WARRANTY. The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase.
Contact your dealer or directly with us.
More information how to make a compliant can be found on the website:
www.fif.com.pl/reklamacje

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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.

WARNING!
Installation of the device should be performed by a qualified installer, after reading this manual.

Features of the module

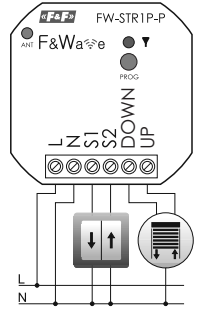
* Roller blind controller with AC motors;
* Cooperation with F&Wave remote control transmitters;
* Two local control inputs – the ability to directly control using any monostable button (for

example bell button);
* Ability to control 32 transmitters;
* Controller operation modes:
  a) 1-button control – particularly useful in the case when as many blinds as possible must be independently controlled using a single transmitter. First press of a button activates the blind to move in one direction, the next press starts the opposite direction of movement. Pressing the button while the roller blind is in motion stops it.
  It is not recommended to bind several roller blinds with the same button in 1-button mode.
  b) 2-button control – especially useful in cases where the pair of buttons has to simultaneously control many blinds:
  – **Up** – Pressing the button starts the roller blind movement upwards. Pressing the button while the roller blind is in motion stops it.
  – **Down** – Pressing the button starts the

roller blind movement upwards. Pressing the button while the roller blind is in motion stops it.
  – **Central Up** – pressing the button starts the movement of the roller blind in the **Up** direction. Pressing the button while the roller blind is in motion:
  ▪ when the roller blind moves up, its movement continues;
  ▪ when the roller blind moves down, it will stop, and then the blind will start in the **Up** direction.
  – **Central Down** – pressing the button starts the movement of the roller blind in the **Down** direction. Pressing the button while the roller blind is in motion:
  ▪ when the roller blind moves up, it will stop, and then the blind will start in the **Down** direction;
  ▪ when the roller blind moves down, its movement continues.
* Each button (local or remote) can be pro-

grammed to perform another function;
* 2 output contacts for both roller blind directions with a load capacity of 0.6 A (AC-3);
* Small housing size;
* Screw terminals for easy installation in Ø60 flush-mounted box;
* Retransmission of commands from the transmitter – can increase the range of remote control;
* Low power consumption – low operating cost;
* Built-in electronic thermal protection to prevent damage in case of excessive load of the relay;
* Electrical lock to prevent power from being applied to both motor windings.

Connection



L – L power supply
N – N power supply
S1 – control input triggered with level L or N – DOWN direction
S2 – control input triggered with level L or N – UP direction
DOWN – output – DOWN direction
UP – output – UP direction

WARNING!
The control input does not work with backlit buttons.

Programming of the controller

WARNING!
If the same relay button is programmed more than once, it will only be written once in the memory of the controller.

WARNING!
If the user does not perform any actions (for example pressing the PROG button or pairing the button with the receiver) in the programming mode for 30 seconds, the programming mode will be terminated.

1) Press and hold the PROG button.
2) Keep the button pressed for approximately 2 seconds until the relay switches on and the LED will slowly blink (0.5 s ON – 0.5 s OFF cycle).
3) Release the button. The controller will enter

the configuration of the operating mode. The selected mode is indicated by short blinks of LED, repeated every 2 seconds:
– 1 blink – 1-button mode;
– 2 blinks – Up;
– 3 blinks – Down;
– 4 blinks – Central Up;
– 5 blinks – Central Down.
4) Changing the operating mode is done by briefly pressing the PROG. Press the button the appropriate number of times to select the desired operating mode.
5) To confirm the selected operating mode, press and hold the PROG button until the LED starts to blink fast (0.1 s ON – 0.1 s OFF cycle) and then release the button.
6) The controller will now proceed to pairing with transmitters, which is indicated by even blinking of the LED (0.5 s ON – 0.5 s OFF cycle). The controller will register all commands received from transmitters and will link them with the selected operating mode. The linking of the button with the receiver is

indicated by an activation of the LED for 1 second. You can pair the controller with many buttons in one programming step.
7) To end the programming, press the PROG button briefly.

Setting the roller blind movement time

1) Press and hold the PROG button.
2) Wait approximately 7-8 seconds. After 2 seconds the LED will start to slowly blink (0.5 s ON – 0.5 s OFF), after 3 seconds the LED will turn off and after next 2 seconds it will start blinking in 1 s ON – 0.25 s OFF cycle.
3) Release the button. The controller will enter the configuration of the roller blind movement time.
4) Briefly press the PROG button – the roller blind will start in the **Down** direction.
5) Immediately after reaching the lower end position, shortly press the PROG button. The roller blind will then start in the **Up** direction.
6) Immediately after reaching the upper end position, shortly press the PROG button to

finish the time measurement.
7) The measured movement time of the roller blind will be saved in the non-volatile memory of the controller.

Settings reset

WARNING!
Deleting the settings removes all transmitters connected to it from the memory of the controller. Local buttons are set to the 2-button UP and DOWN mode. The roller shutter movement time is set to the default 30 seconds.

1) Press and hold the PROG button.
2) Keep the button pressed for at least 12 seconds. After 2 seconds, the relay switches on and the LED will slowly blink (0.5 s ON – 0.5 s OFF). After about 7-8 seconds, the LED will start blinking at the rate of 1 s ON – 0.25 s OFF (setting the movement time), and after a few more seconds it will start blinking at the rate of 0.1 s ON – 0.1 s OFF.

Fast blinking indicates the transition to the reset mode.
3) Release the button. The LED should blink rapidly all the time.
4) Press and hold the button until the LED is permanently on. Then release the button.
5) After executing this sequence, all programmed buttons will be removed from the controller memory and the controller will return to the default settings.

Technical data

power supply	85÷265 V AC/DC
control input	85÷265 V AC/DC; <1 mA
power consumption	
on	1.00 W
standby	0.25 W
load capacity of the output	
AC-1	3 A/250 V
AC-3	0.6 A/250 V
radio frequency	868 MHz
working temperature	-25-65°C
terminal	2.5 mm² screw terminals
tightening torque	max 0.4 Nm
mounting	Ø60 flush-mounted box
dimensions	43×48×25 mm
ingress protection	IP20

Warranty

The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us. More information how to make a compliant can be found on the website: www.fif.com.pl/reklamacje

Compliance with norms

PN-EN 60669, PN-EN 60950, PN-EN 55024, PN-EN 61000, PN-ETSI EN 300 220-1, PN-ETSI EN 300 220-2, PN-ETSI EN 301 489-1, PN-ETSI EN 301 489-3.

CE declaration can be found on the website: www.fif.com.pl.