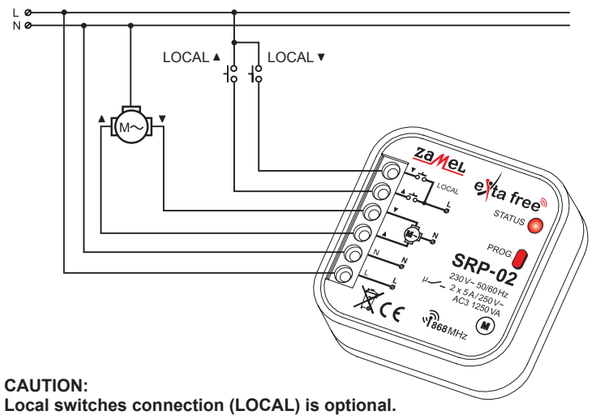
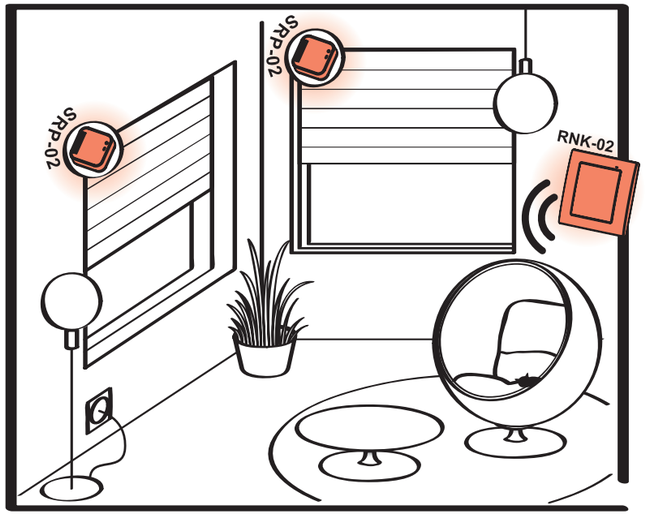
CONNECTION



CAUTION:
Local switches connection (LOCAL) is optional.

APPLICATION



Radio flush dimmer RNK-02 operating roller blind controller SRP-02 (roller blind opening / closing). The above mentioned transmitter can be added to any number of receivers.

SERIA F

The ZAMEL company devices which are characterised with this sign can cooperate with each other.

SRP-02 MOUNTING

1. Disconnect power supply by the phase fuse, the circuit-breaker or the switch-disconnector combined to the proper circuit.
2. **Check if there is no voltage on connection cables by means of a special measure equipment.**
3. Connect the cables with the terminals in accordance with the installing diagram.
4. Install SRP-02 device in installation cable box.
5. Switch on the power supply from the mains.

RNK-02 FUNCTIONING, MOUNTING

By pressing the button, the transmitter sends a signal with 868,32 MHz frequency which controls EXTA FREE receivers. **Device programming procedure (adding a transmitter to a receiver's memory) is described in particular EXTA FREE manual instructions.** The device range (up to 250 m depending on a receiver) can be increased by means of a retransmitter or few RTN-01 retransmitters. The device can be mounted in any place by means of double-sided adhesive tape or two wall plugs (5x(3x30) mm.

Mounting by means of wall plugs:
1. Remove the button - to do it press the button on one side, and on the other side put a screwdriver into a slot and lift up the button.
2. Find a place on the wall to mount the transmitter, make two holes corresponding mounting holes from the transmitter's base.
3. Set wall plugs in the holes.
4. Fix the base by means of screwing screws into wall plugs.
5. Place the button again.

BATTERY CHANGE
Battery discharge status is signalled by several LED red diode flashes during transmission time.
1. Remove the button (mounting - point 1).
2. By means of a screwdriver lever up the printed-circuit board releasing the bottom latch and remove it from the base.
3. Remove the battery from the latch.
4. Mount a new battery. **Watch battery polarisation marked on the latch. Wrong battery mounting may cause device damage.**
5. Put the removed printed-circuit board back in the base.
6. Put back the button.

CAUTION:
While changing the battery, it is suggested to press any of the buttons for about 5 seconds before putting it into a latch. Next press transmission button several times to check its operation. If the transmitter does not work properly repeat the battery change procedure.

WARRANTY CARD

There is 24 months guarantee on the product

1. ZAMEL provides a two-year warranty for its products.
2. The ZAMEL warranty does not cover: a) mechanical defects resulting from transport, loading / unloading or other circumstances b) defects resulting from incorrect installation or operation of ZAMEL products; c) defects resulting from any changes made by CUSTOMERS or third parties, to products sold or equipment necessary for the correct operation of products sold; d) defects resulting from force majeure or other aleatory events for which ZAMEL is not liable; e) power supply (batteries) to be equipped with a device in the moment of sale (if they appear);
3. All complaints in relation to the warranty must be provided by the CUSTOMER in writing to the retailer after discovering a defect.;
4. ZAMEL will review complaints in accordance with existing regulations.;
5. The way a complaint is settled, e.g. replacement of the product, repair or refund, is left to the discretion of ZAMEL.
6. Guarantee does not exclude, does not limit, nor does it suspend the rights of the PURCHASER resulting from the discrepancy between the goods and the contract.

Salesman stamp and signature, date of sale

RZB-03 WIRELESS CONTROL SET – ROLLER BLINDS CONTROL

MANUAL INSTRUCTION

ZAMEL Sp. z o.o.

ul. Zielona 27, 43-200 Pszczyna, Poland
tel. +48 (32) 210 46 65, fax +48 (32) 210 80 04
www.zamelcet.com, e-mail: marketing@zamel.pl

DESCRIPTION

SRP-02 controller is used to control roller blind drives with 230V AC motor with a limit switch. The device realises roller blinds local and central control functions and it has the possibility of comfort mode adjustment. Comfort modes are used to adjust roller blinds position (height level) and to memorise the height level. Central mode is used in case of a totally closed or opened roller blind or a group of roller blinds with different position level.

FEATURES

- Complete set of wireless control (2–channel button radio transmitter RNK-02 and radio roller blinds controller SRP-02),
- used in wired and wireless control of roller blind, sunblind and gate drives, (electric motors of 230V AC),
- wired local control inputs,
- easily installed in Ø60 mm junction box,
- energy-saving device, possibility of constant work,
- two comfort modes - upper and bottom (memory of roller blind height level),
- possibility of cooperation with any roler blind switch (which is not equipped in backlight elements)

TECHNICAL DATA

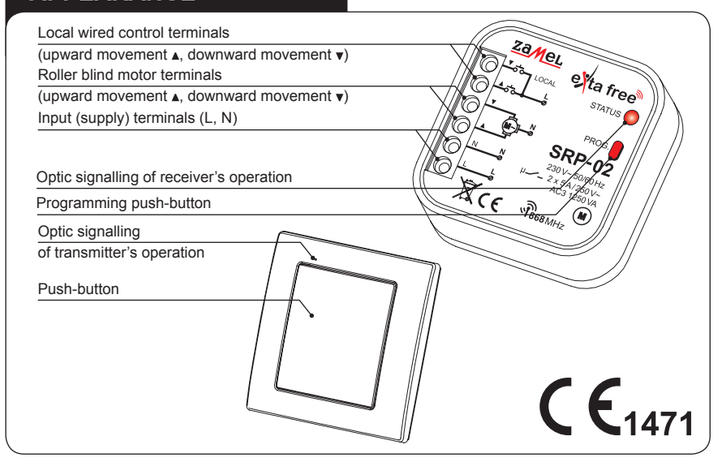
	RNK-02	SRP-02
Input (supply) terminals:	-	L, N
Input rated voltage:	3 V DC (CR2032 battery)	230 V AC
Battery life:	3 ÷ 5 years	-
Input voltage tolerance:	-	+10 ÷ -15 %
Nominal frequency:	-	50 / 60 Hz
Nominal power consumption:	-	0,4 W („stand-by" mode) / 0,7 W (roller blind movement)
Transmission:	radio 868,32 MHz	
Coding way:	unidirectional	
Coding:	addressing transmission	
Maximum number of remote controls:	-	32
Range:	up to 250 m in the open area	
Maximum movement time of roller blind:	-	120 sec
Maximum time of roller blind movement:	-	1 ÷ 120 sec (every 0,1 sec)
Optic signalling of transmitter's operation:	LED red diode	
Local control terminals:	-	LOCAL ▲ (up), ▼ (down)
Motor power supply terminals:	-	▲ (up), ▼ (down)
Relay contact parameters:	-	2NO 5A/250V AC AC3 1250 VA
Number of terminal clamps:	-	6
Section of connecting cables:	-	up to 2,5 mm^2
Ambient temperature range:	-10 ÷ +55 °C	
Operating position:	free	
Casing mounting:	wall plugs, double-sided adhesive tape	installation cable box Ø60 mm
Casing protection degree:	IP20 (EN 60529)	
Protection level:	III	II
Overvoltage category:	-	II
Pollution degree:	2	
Surge voltage:	-	1 kV (EN 61000-4-5)
Dimensions:	90 x 80 x 11,5 mm	47,5 x 47,5 x 20 mm
Weight:	0,038 kg	0,039 kg
Reference standard:	ETSI EN 300 220-1 ETSI EN 300 220-2	EN 60669, EN 60950, EN 61000

CAUTION!

The device is designed for single-phase installation and must be installed in accordance with standards valid in a particular country. The device should be connected according to the details included in this operating manual. Installation, connection and control should be carried out by a qualified electrician staff, who act in accordance with the service manual and the device functions.
In case of casing dismantling an electric shock may occur, and the guarantee is lost then. Before installation make sure the connection cables are not under voltage. The cruciform head screwdriver 3,5 mm should be used to instal the device. Improper transport, storage, and use of the device influence its wrong functioning. It is not advisable to instal the device in the following cases: if any device part is missing or the device is damaged or deformed. In case of improper functioning of the device contact the producer.

The symbol means selective collecting of electrical and electronic equipment.
It is forbidden to put the used equipment together with other waste

APPEARANCE



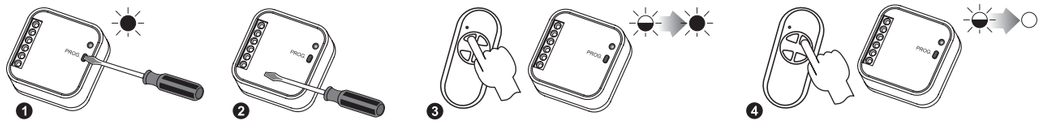
VER. 003_20.05.2011

SRP-02 OPERATION

Pressing shortly the programmed push-button in local mode (<2 sec.) or roller blind switch (optional) causes the roller blind moves. Another short pressing of the same push-button or the switch causes the roller blind stops at a required level. Pressing the push-button or the switch longer (>2 sec.) causes comfort mode activates (the roller blind moves in required direction and stops according to the adjusted time). Pressing shortly transmitter's push-button (programmed in central mode) causes complete opening or closing the roller blind.

RADIO TRANSMITTERS PROGRAMMING

LOCAL mode:

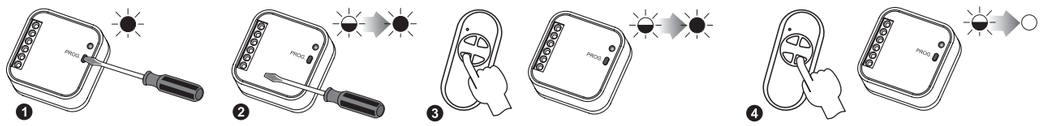


Press PROG push-button of SRP-02 device for a longer time until LED red diode switches on (constant signal). Next release PROG push-button.

Press and release transmitter's first push-button (movement ▲). LED red diode switches on (first signal pulsates, next the signal is constant).

Press and release the second transmitter's push-button (movement ▼). LED red diode switches on (signal pulsates) and then switches off - THE TRANSMITTER IS ADDED.

CENTRAL mode:



Press PROG push-button of SRP-02 device for a longer time until LED red diode switches on (constant signal). Next release PROG push-button. Wait (for about 5 seconds) till LED red diode switches on (first signal pulsates, next the signal is constant).

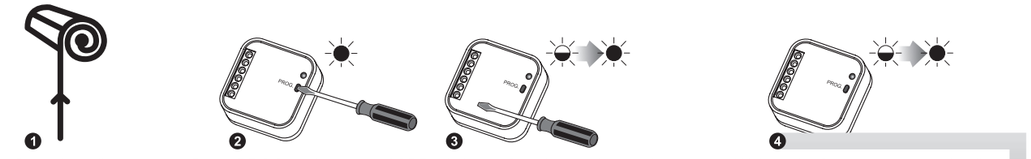
Press and release transmitter's first push-button (movement ...). LED red diode switches on (first signal pulsates, next the signal is constant).

Press and release the second transmitter's push-button (movement ...). LED red diode switches on (the signal pulsates) and next it switches off - THE TRANSMITTER IS ADDED.

An exemplary programming procedure with P-257/4 remote control. The procedure for the rest of radio EXTA FREE transmitters is analogous with reservation that 2-channel transmitters can be programmed only in one mode - local or central.

CAUTION: If push-button changes are required for local and central control (in 4-channel transmitter) the programming procedure should be for two modes separately (first local control push-buttons, then central control push-buttons). In case of 2- channel transmitter the change from local control to central control should start with controller's memory deletion and only then transmitter's programming procedure for central mode can start. One transmitter can be added during one programming cycle. Full memory is signalled with pulsating LED red diode.

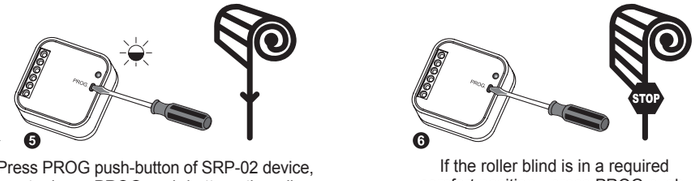
COMFORT MODE TIME PROGRAMMING



Open the roller blind completely.

Press PROG push-button of SRP-02 device for a longer time until LED red diode switches on (constant signal). Next release PROG push-button. Wait (for about 5 seconds) till LED red diode switches on (first signal pulsates, next the signal is constant).

Wait again (for about 5 seconds) till LED red diode switches on (first signal pulsates, next the signal is constant).

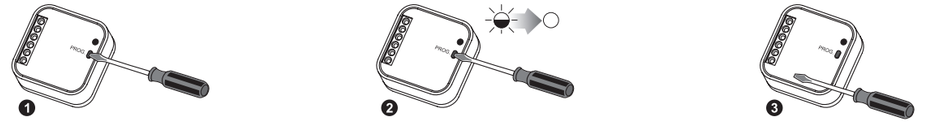


Press PROG push-button of SRP-02 device, next release PROG push-button - the roller blind moves automatically.

If the roller blind is in a required comfort position - press PROG push-button and release it - the roller blind stops - ROLLER BLIND MOVEMENT TIME IS ADDED.

Time programming example for upper comfort mode. In order to programme time for bottom comfort mode, it is necessary to close the roller blind completely before programming procedure starts. Maximum time is 120 seconds.

RADIO TRANSMITTERS DELETION



Press PROG push-button of SRP-02 device for a longer time.

After 5 seconds LED red diode switches on (signal pulsates) and then it switches off.

Release the push-button in SRP-02 - MEMORY IS DELETED.

COOPERATION AND OPERATING RANGE

Symbol	ROP-01	ROP-02	ROB-01	SRP-02	SRP-03	RWG-01	RWL-01	ROM-01	ROM-10	RDP-01	RTN-01
RNK-02	180 m	200 m	200 m	200 m	200 m	250 m	180 m	250 m	250 m	180 m	250 m
RNK-04	180 m	200 m	200 m	200 m	200 m	250 m	180 m	250 m	250 m	180 m	250 m
P-256/8	230 m	250 m	250 m	250 m	250 m	300 m	200 m	300 m	300 m	230 m	300 m
P-257/4 (2)	180 m	200 m	200 m	200 m	200 m	250 m	180 m	250 m	250 m	180 m	250 m
RNM-10	230 m	250 m	250 m	250 m	250 m	300 m	200 m	300 m	300 m	230 m	300 m
RNP-01	160 m	180 m	180 m	180 m	180 m	200 m	160 m	200 m	200 m	160 m	200 m
RNP-02	160 m	180 m	180 m	180 m	180 m	200 m	160 m	200 m	200 m	160 m	200 m
RNL-01	160 m	180 m	180 m	lack*	lack*	200 m	160 m	200 m	200 m	160 m	200 m
RTN-01	200 m	200 m	200 m	200 m	200 m	250 m	200 m	250 m	250 m	200 m	250 m
RCR-01	160 m	180 m	180 m	lack*	lack*	200 m	160 m	200 m	200 m	160 m	200 m
RTI-01	160 m	180 m	180 m	180 m	180 m	200 m	160 m	200 m	200 m	160 m	200 m
RXM-01	230 m	250 m	250 m	250 m	250 m	300 m	200 m	300 m	300 m	230 m	300 m

* -1-channel transmitters do not cooperate with roller blind controllers.

CAUTION: The given range concerns open area - an ideal condition without any natural or artificial obstacles. If there are some obstacles between a transmitter and a receiver, it is advisable to decrease the range according to: wood and plaster: from 5 to 20 %, bricks: from 10 to 40 %, reinforced concrete: from 40 to 80 %, metal: from 90 to 100%, glass: from 10 to 20 %, Over- and underground medium and high electrical power lines, radio and television transmitters, GSM transmitters set close to a device system have also a negative influence on the range.

RANGE LOSS CONCERNING RADIO SIGNALS GOING THROUGH OBSTACLES

bricks: from 10 to 40 %, wood and plaster: from 5 to 20 %,
reinforced concrete: from 40 to 80 %, metal: from 90 to 100%, glass: from 10 to 20 %

TRANSMITTERS

RNK-02
2–channel button radio transmitter

RNK-04
4-channel button radio transmitter

P-256/8
8-channel remote controller

P-257/4
4-channel remote controller

P-257/2
2-channel remote controller

RCR-01
Radio motion sensor

RNL-01
Radio foot transmitter

RTI-01
IR/EXTA FREE transceiver

RNM-10
4-channel radio modular transmitter

RNP-01
4-channel radio transmitter

RNP-02
4-channel radio transmitter

RXM-01
Translator RS-485/EXTA FREE

RECEIVERS

ROP-01
1-channel radio receiver

ROP-02
2-channel radio receiver

RDP-01
1-channel radio dimmer

ROB-01/12-24V
Radio gate controller

ROM-01
1-channel radio modular receiver

RWL-01
Radio lighting switch

RWG-01
Remote control socket

SRP-02
Radio roller blinds controller

SRP-03
Central radio roller blinds controller

ROM-10
2-channel radio modular receiver

ACCESSORIES

ANT-01
External antenna

RTN-01
Retransmitter

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