

4-CHANNEL RADIO TRANSMITTER RNP-01

MANUAL INSTRUCTION



ZAMEL Sp. z o.o.

zameL

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

Radio transmitter RNP-01 realises remote control function of devices. It is mounted in a junction box and under the existing switch (monostable push-buttons). This solution is very useful and results in easy installation of EXTA FREE system without interference in existing wiring system. There is a possibility of using electroinstallation equipment of any manufacturer (no design limit).

FEATURES

- radio transmitter mounted in Ø 60 mm junction box,
- remote control of EXTA FREE system receivers,
- possibility of connection to a traditional household switch,
- low power consumption, adapted to constant operation,
- possibility of independent control of four receivers,
- wide range of operation (up to 200 m),
- possibility of simultaneous switching on/switching off any number of EXTA FREE system receivers,
- possibility of increasing operation range by means of RTN-01 retransmitter.



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. Disassembling of the device is equal with a loss of guarantee and can cause electric shock. 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.

TECHNICAL DATA

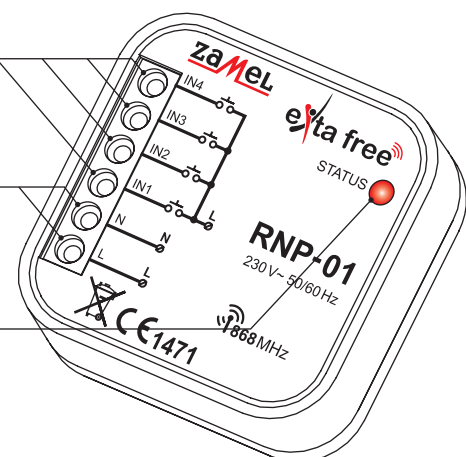
RNP-01	
Input (supply) terminals:	L, N
Input rated voltage:	230 V AC
Input voltage tolerance:	-15 ÷ +10 %
Nominal frequency:	50 / 60 Hz
Nominal power consumption:	0,22 W
Release terminals:	IN1, IN2, IN3, IN4
Number of channels:	4
Transmission:	radio 868,32 MHz
Transmission way:	unidirectional
Coding:	addressing transmission
Range:	up to 200 m in the open area
Optic signalling of transmission:	LED red diode
Ambient temperature range:	-10 ÷ +55 °C
Number of terminal clamps:	6
Section of connecting cables:	up to 2,5 mm ²
Operating position:	free
Casing mounting:	installation cable box Ø 60 mm
Casing protection degree:	IP20 (EN 60529)
Protection level:	II
Overvoltage category:	II
Pollution degree:	2
Surge voltage:	1 kV (EN 61000-4-5)
Dimensions:	47,5 x 47,5 x 20 mm
Weight:	0,031 kg
Reference standard:	ETSI EN 300 220-1, ETSI EN 300 220-2, EN 60950, EN 61000

APPEARANCE

Release terminals (IN1, IN2, IN3, IN4)

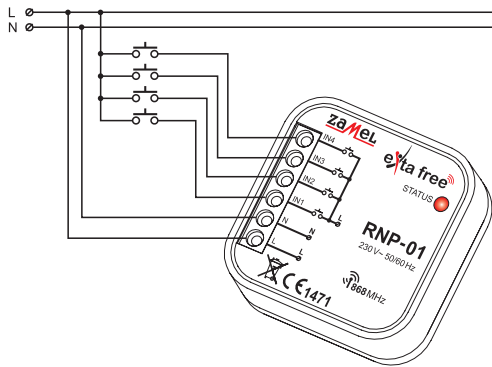
Input (supply) terminals (L, N)

Optic signalling of receiver's operation



CE 1471

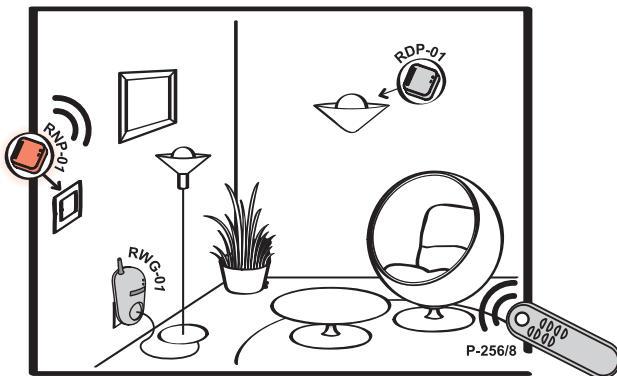
CONNECTION



MOUNTING, CONNECTION

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 terminals in accordance with the installing diagram.
 4. Install RNP-01 device in installation cable box.
 5. Switch on the power supply from the mains.
- The device is ready to operate after correct mounting and connection. Releasing the system by a monostable push-button connected to one of four release terminals (IN1-IN4) causes the RNP-01 device to send a radio control signal added to this input (channel). LED red diode signals the transmission is on. Device programming procedure (adding a transmitter to receiver's memory) is described in manual instructions of particular EXTA FREE receivers.

APPLICATION



4-channel radio transmitter RNP-01 controls operation of radio flush dimmer RDP-01 (switch on/switch or light brightening/dimming) or remote control socket RWG-01 (switch on/switch off). The receivers can be controlled by 8-channel P-256/8 remote control. RNP-01 device can be mounted under the existing lighting switch (required power supply: 230V AC – L and N wires).



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

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.

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