

4-CHANNEL RADIO TRANSMITTER

RNP-01

TECHNICAL DATA

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)
Wymiary:	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

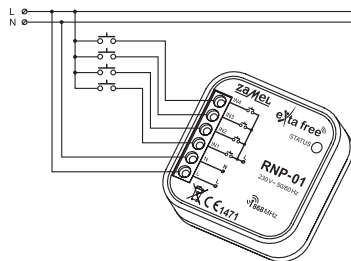
DESCRIPTION

Radio transmitter RNP-01 realises remote control function of devices. It is mounted in a junction box and under the existing switch (monostable pushbuttons). 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.

CONNECTION



MOUNTING, CONNECTION

1. Disconnect power supply by the phase fuse, the circuitbreaker 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.

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	180 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.