

user manual
inside

zameL

ZAMEL Sp. z o.o.
43-200 Pszczyna, ul. Zielona 27
tel.: +48 32 210 46 65; fax: +48 32 210 80 04
e-mail: export@zamel.pl
www.zamel.com

FLUSH-MOUNTED 4-CHANNEL RADIO TRANSMITTER RNP-21

The RNP-21 transmitter enables wireless control of EXTA LIFE system receivers. It is designed to implement such functions as turning on/off the lighting, adjusting illumination, opening/closing roller shutters and garage doors. It is designed for installation in flush mounting boxes (min. Ø60 mm) under existing equipment. It enables the use of electrical installation equipment from any manufacturer and causes no restrictions to the interior design and nature.

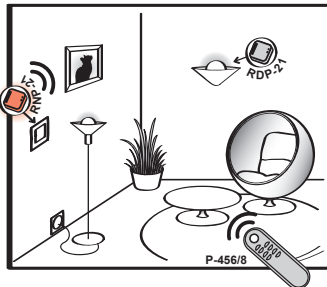
230 V AC; IP20
Net weight: 0.03 kg
PN-ETSI EN 300 220-1
PN-ETSI EN 300 220-2



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



- radio transmitter for installation in a mounting box (min. Ø60 mm)
- remote control of EXTA LIFE system receivers
- installation under traditional mounting equipment
- capable of independent control of up to four receivers (circuits)
- encrypted RF transmission
- 230 V AC power supply
- long operating range (up to 300 m in open areas)



ZAMEL Sp. z o.o. declares that the device complies with principal requirements and other applicable rules of the 2014/53/UE Directive.

Registered design © ZAMEL
Made in Poland



zameL



- easy installation in a Ø60 mm flush mounting box
- works with EXTA LIFE system equipment
- range up to 300 m in open areas

FLUSH-MOUNTED
4-CHANNEL
RADIO
TRANSMITTER
RNP-21

SMART HOME

exta life

FLUSH-MOUNTED 4-CHANNEL RADIO TRANSMITTER

RNP-21

TECHNICAL DATA

Rated supply voltage:	230 V AC
Supply voltage tolerance:	-15 ÷ +10%
Rated mains frequency:	50 / 60 Hz
Rated power consumption:	0,65 W
Operating range:	max. 300 m in open areas
Transmission:	RF, ISM 868 MHz (868.5 MHz)
Method of transmission with system components:	two-way, 9600 bps
Encryption:	128-bit key algorithm
Channels:	4
Optical signalling of transmission:	green LED
Compatible connectors:	monostable (buttons) / bistable (switches)*
Number of termination points:	6
Maximum cross-section of wires:	2,5 mm ²
Operating temperature range:	-10 to +55 °C
Enclosure protection rating:	IP20
Dimensions:	47,5 x 47,5 x 20 mm
Weight:	0,03 kg
Reference standards:	PN-ETSI EN 300 220-1, PN-ETSI EN 300 220-2

* typically, IN1 + IN4 inputs are designed to work with monostable connectors (normally open / bell buttons) – the transmitter sends information upon short triggering of any input. In terms of design, transmitter inputs are suitable for working with bistable connectors (long-lasting application of phase voltage to the transmitter input is possible). However, it is necessary to consider the operation of the transmitter with these kinds of connectors (if possible, the transmitter should be programmed with the receiver in the so-called monostable mode). In this mode, the receiver is turned on as long as the given input is triggered – phase voltage is applied to it.

CAUTION! The transmission range is specified for open areas, which are perfect transmission conditions without obstacles. If the following obstacle types exist between the transmitter and the receiver, expect the transmission range to be reduced by 10 to 40% for brickwork, 5 to 20% for wood and drywall, 40 to 80% for reinforced concrete, 90 to 100% by metal, and 10 to 20% for glass. The transmission range is also adversely affected by overhead and underground high-voltage power lines and GSM transmitter base stations located near the devices.