

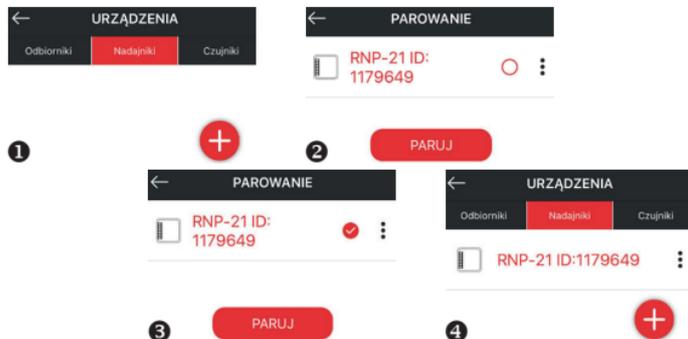
TRANSMITTER REGISTRATION (PAIRING) IN THE SYSTEM

You need to register the transmitter in the EXTA LIFE system as:

- remotely bind transmitter inputs to specific EXTA LIFE receivers (without physical access to the receivers),
- bind a specific input to playback scene(s),
- use a button connected to a transmitter input as a condition to execute a logical function.

To register the transmitter in the EXTA LIFE system, connect the EXTA LIFE controller and install the EXTA LIFE mobile app. The transmitters are saved as registered in the EXTA LIFE system only if they have been successfully paired with the EXTA LIFE controller. Procedure:

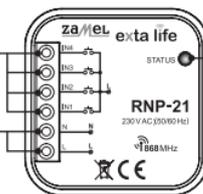
- Launch the EXTA LIFE mobile app and open the Devices screen.
- Select the Transmitters tab and press the "+" button to start discovering the remote controls. The discovery takes up to 60 s. You can terminate it early by pressing Stop. To find the transmitter, trigger any of its inputs during the discovery. If the transmitter is in range of the EXTA LIFE controller, it will appear on the on-screen list with its default icon and name, which is the transmitter model (RNP-21) with its six-digit ID in the suffix. You do not need to stop the discovery to register more than one transmitter/remote control.
- Once the discovery has been completed or stopped manually, check the selection boxes next to the discovered transmitters on the list to choose those you want to pair with the EXTA LIFE controller. You can check more than one transmitter with the selection boxes. You can use the pop-up menu to modify the transmitter's name before pairing.
- Press PAIR to pair the selected transmitters. The selected transmitters will be paired with the EXTA LIFE system after a short moment and appear in the Transmitters tab.
- A default icon is assigned to each paired transmitter.
- You can pair one transmitter at a time; once PAIR has been pressed, you can assign a new name to the transmitter. When pairing more than one transmitter at the same time, they will be saved under their default names.
- You can also modify the default names of the RNP-21 transmitters once they have been paired.
- Only when paired can the transmitter be used to set up the EXTA LIFE system configuration (remote assignment of receivers, scenes or logical functions).



OVERVIEW

Control inputs IN1 + IN4

Supply terminals L, N



Signalling LED: green (transmission)

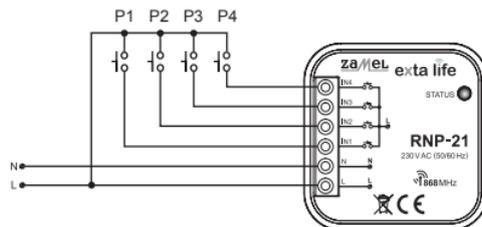
DESCRIPTION

The RNP-21 transmitter enables wireless control of EXTA LIFE system receivers. It is designed to implement such functions as turning on/off 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. The transmitter has four inputs triggered with 230 VAC voltage. The triggering is achieved by applying phase voltage to the right input. The transmitter enables independent control of up to four circuits / channels. Built-in LED for transmission signalling. The RF transmission is encrypted for increased control security.

FEATURES

- 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 VAC power supply,
- long operating range (up to 300 m in open areas).

CONNECTION



INSTALLATION

The RNP-21 transmitter is designed for installation in mounting boxes. The enclosure dimensions enable installation both in flush (min. Ø60) and surface mounting boxes. For flush mounting installation, it is recommended to use deep or pocket boxes.

The device shall be connected to a 1-phase system in accordance with applicable standards. The activities related to the installation, connection and adjustment should be performed by qualified electricians, familiar with the user manual and functions of the device. For safety purposes, do not install the device without an enclosure or with a damaged enclosure, because it causes an electric shock hazard.

For installation, use a Philips screwdriver with a diameter of up to 3.5 mm.

1. Disconnect the supply circuit with a fuse, an overcurrent circuit breaker or an isolator connected to the corresponding circuit.
2. Check the voltage-free status of the power cords with a suitable tool.
3. Connect the wires to the terminals according to the connection diagram. You can use up to four transmitter inputs (from IN1 to IN4).
4. Install the RN P-21 device in the mounting box.
5. Turn on the supply circuit and check for proper operation (when inputs are triggered, the STATUS LED should be lit for a short time).

INSTALLATION CONSIDERATIONS

1. If possible, maintain a minimum distance between transmitters during the installation. In particular, avoid installing one transmitter above another. In some situations, this could cause range loss and transmission errors.
2. During installation, make sure that the transmitter is not exposed to direct water impact or operation in a high humidity environment. The temperature at the installation site should be from -10 to +55°C.
3. The RNP-21 transmitter is designed for indoor installation. In the case of outdoor installation, place the transmitter in an additional sealing box and efficiently seal the connection against water penetration.
4. Connect the control connectors to inputs IN1 to IN4 of the RNP-21 transmitter. Typically, the inputs are designed to work with monostable connectors. The design of the inputs does not exclude using bistable connectors. In this case, it is best to program the inputs with a receiver in monostable mode (the receiver is activated as long as phase voltage is applied to the given input).
5. After installing the transmitter, test it for proper operation. To obtain the desired function of the given input, it must first be programmed with the receiver (see the user manual of the selected receiver). To work with the controller, the transmitter must be properly paired with the controller (see Transmitter registration in the EXTA LIFE system).

OPERATION

Upon a short press of a button connected to a given input, the transmitter sends an RF command to the EXTA LIFE system components. It is indicated with the green LED flashing on the transmitter. To respond properly to the signal from the given transmitter input, the transmitter must first be paired with it. See the applicable EXTA LIFE receiver user manuals for pairing instructions (programming specific inputs in the receiver memory). The transmitter will only transmit when a button connected to the given input is pressed and then released. No RF signal is transmitted as long as a button is held pressed.

The presented mode of operation translates to transmitter functionality with bistable connectors connected to inputs IN1...IN4. For example, if the connector connected to input IN1 is to work with a receiver in "bistable" mode, the connector must be closed to activate the receiver. However, to re-activate the receiver (if it has been turned off, for example with a remote control), first open and close the connector again.

OPERATING CONSIDERATIONS

STANDARD FUNCTIONALITY (WITHOUT CONTROLLER)

- enables wireless operation of EXTA LIFE system receivers,
- the function of each transmitter input depends on the type of receiver it has been paired with (for example: if paired to an ROP-22 receiver, the inputs can be used to turn lights on and off; if paired to an SRP-22 controller, the buttons can open and close roller shutters),
- each input can be assigned to multiple EXTA LIFE system receivers,
- if one input is to control more than one receiver of the system, then the recommended mode of operation is "on/off" mode (for example: input IN1 turns on receivers and input IN2 turns them off or the other way round),
- you can assign the transmitter inputs to receivers with different operating modes, the range of which depends on the receiver type (for details see the applicable EXTA LIFE receiver user manuals),
- If transmitter inputs are assigned to a receiver in time mode, each button can be assigned a custom time value from 1 s to 18 hours,
- you can delete specific input assignments from the receiver memory.

CAUTION: In the RNP-21 transmitter, inputs are not blocked. If the given input is triggered continuously, then other inputs can be controlled according to the transmitter specification.

FUNCTIONAL COMPATIBILITY WITH EXTA LIFE CONTROLLER AND APP

With the EFC-01 controller and app, you can:

- remotely (without access to the receiver) bind specific transmitter inputs to the selected EXTA LIFE system receiver(s),
- use transmitter inputs for playing scenes,
- use transmitter inputs as a condition to execute a logical function.

These functions are enabled only on a transmitter paired with a controller.