



Smart home

EXTA LIFE


EXTA LIFE smart home is a system offering a comfortable, wireless control of home lighting, heating, roller blinds and gate drives. Thanks to two-way radio communication, the user can check the installation status at any time, open the gate, turn on the light or close the roller blinds. The EXTA LIFE system, unlike the EXTA FREE system, is focused mainly on the management of receivers from the level of mobile devices with Android and iOS systems. Creating the EXTA LIFE system, Zamel engineers have made every effort to adapt the system to the individual needs and expectations of the user. The system is focused on the maximum simplification of the installation and configuration process. It offers the possibility of remotely adding and removing transmitters to selected receivers, parameterisation of receivers and remotely changing their software. The control from the app level has been designed in such a way that the process of switching on/off, adjusting the light intensity and controlling the roller blinds is efficient and intuitive. EXTA LIFE is ideally suited for controlling the operation of electrical equipment in home and office installations. It includes a group of co-operating devices, such as transmitters, receivers, sensors and a controller. The innovative design of sensors allows for comfortable

mounting, DC or wireless connection via replaceable batteries. EXTA LIFE sensors work with the logic functions of the controller, which ensures automatic control of temperature, lighting or drives depending on the changing environmental conditions. Transmission between components of the system is carried out in the ISM 868 MHz band with 128 bit key coding. This solution guarantees a high level of transmission security. A large operating range of up to 300 m in an open area ensures the correct operation of the EXTA LIFE system in homes and offices.

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Bidirectionality

Minor actions are often done automatically – without major engagement. When you're at home you can always check if your iron is definitely off and if your windows are definitely closed, but how to find the answer to these troubling and nagging questions when you're away from your place of residence? With the EXTA LIFE system it's as easy as child's play thanks to two-way transmission. EXTA LIFE enables instantaneous obtaining of information on such matters as the door / window closure, the level of external roller blinds or the state of particular devices.

Transmission encoding

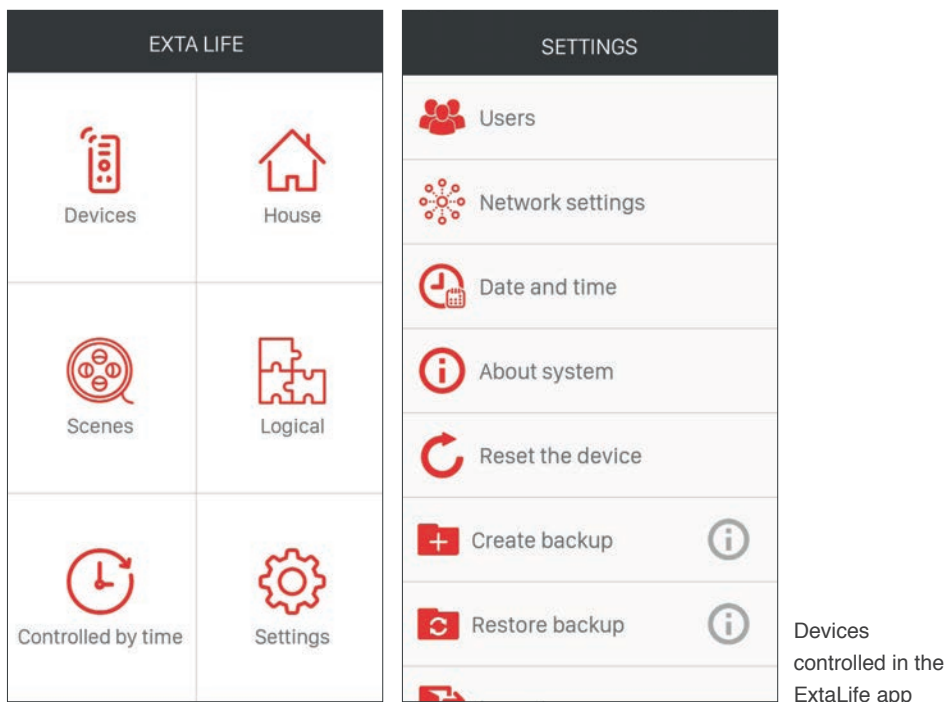
When developing the EXTA LIFE smart home the Zamel designers placed particular emphasis on the issues of securing the system from the access of third parties. EXTA LIFE is not visible to the bystanders – complex encryption protocols utilised within the EXTA LIFE SYSTEM prevent impersonating users, and even viewing actions performed within the system. EXTA LIFE enables setting up multiple accounts for users with diverse authorisations – this function is particularly important when the system users are not only adults, but also children.

Auto-detection of system components

EXTA LIFE smart home is also an efficient and intuitive installation process thanks to auto-detection of system components. The controller, once connected to a mobile device, automatically detects all the receivers available within its range. This solution saves a lot of time normally devoted to entering subsequent receivers into the controller.

Receiver software updates

Taking into account the rapid technological progress, the EXTA LIFE system has been developed to allow software updates. Thanks to this function the software of EXTA LIFE devices can continuously be updated with most recent solutions and functionalities. This option saves time and most of all money, as instead of costly replacement of the devices with the new-generation products all you need to do is download a free software update.



Home within a hand's reach from any place in the world

EXTA LIFE is an excellent choice for those who are often away from home. The system enables control of home installations, in particular control over devices coupled within a system from any place in the world. All you need to do is properly configure remote access and then take a mobile device with Internet access on your trip to be able to check at any time of day and night if nothing worrying is happening on the property. If a user does not have a fixed external IP address, free DDNS service made available by Zamel can be used.

Logic functions

EXTA LIFE allows to define single events, sequences, as well as scenes, implementation of which can be a subject to fulfilment of logic conditions specified by the user. These conditions can most often be coupled with the value of parameters read by the sensors operating within the system. Conditions can also include pressing a selected transmitter. Functions can be single or repeated based on the date, time or day of the week.

Long range

The transmission range of EXTA LIFE devices is 280-350 m. Operation of wireless devices depends on their type and conditions they operate in. In the case of issues with the range it can be increased by means of installation in a system of REP-21 retransmitters. The table below specifies the transmission range of some EXTA LIFE devices on open grounds:

	ROP-21	ROP-22	RDP-21	SRP-22	EFC-01
RNK-22	280 m	300 m	280 m	300 m	350 m
RNK-24	280 m	300 m	280 m	300 m	350 m
P-457/2	280 m	300 m	280 m	300 m	350 m
P-457/4	280 m	300 m	280 m	300 m	350 m
EFC-01	330 m	350 m	330 m	350 m	-



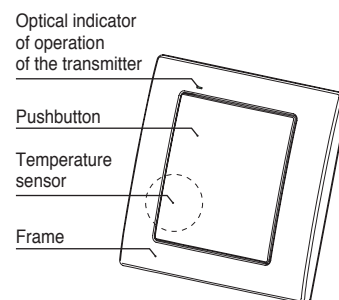
RNK-22 and RNK-24 radio transmitters are used to send controlling signals and information on the value of temperature in the EXTA LIFE system. They are used in the implementation of such operations as activation/deactivation, brightening/dimming, controlling roller blinds. Thanks to implemented frame encryption algorithm transmission safety is increased. Temperature data combined with the functionality of the EFC-01 controller can be used to control the heating system. The appearance and dimensions of the transmitters refer to the traditional switches. Battery power and the lack of any wiring grant a wide range of applications. Transmitters can be placed on any surfaces (except for metal) and in any location of the room. The option of programming several transmitters for a single receiver grants major freedom when developing the part controlling the installation.

2-channel key transmitter with a temperature sensor RNK-22



Features

- 1-key (2-channel) radio transmitter,
- Remote control of EXTA LIFE system receivers,
- Can control two receivers independently,
- Encrypted RF transmission,
- Integrated temperature sensor,
- Temperature measured by the sensor: $-40 \div +125^{\circ}\text{C}$,
- battery-operated,
- Easy to install by means of double sided tape or two screws,
- Long operating range (up to 350 m in open areas).

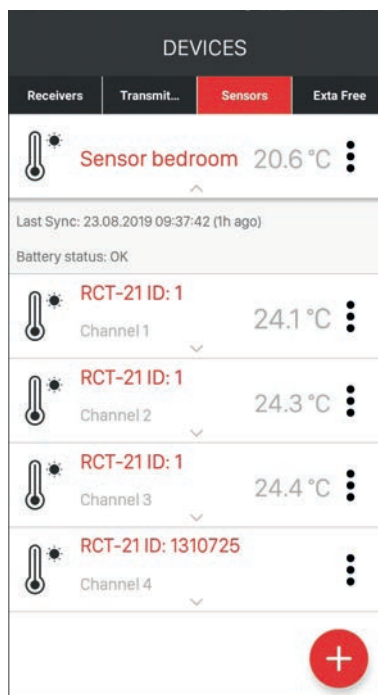
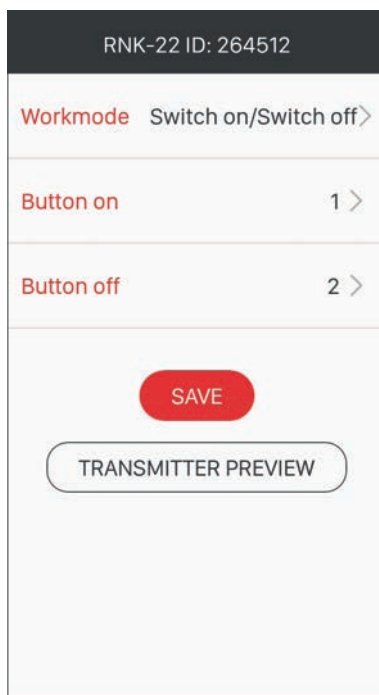
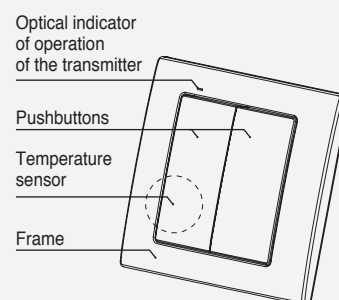


4-channel key transmitter with a temperature sensor RNK-24



Features

- 2-key (4-channel) radio transmitter,
- Remote control of EXTA LIFE system receivers,
- Can control up to four receivers independently,
- Encrypted RF transmission,
- Integrated temperature sensor,
- Temperature measured by the sensor: $-40 \div +125^{\circ}\text{C}$,
- battery-operated,
- Easy to install by means of double sided tape or two screws,
- Long operating range (up to 350 m in open areas).



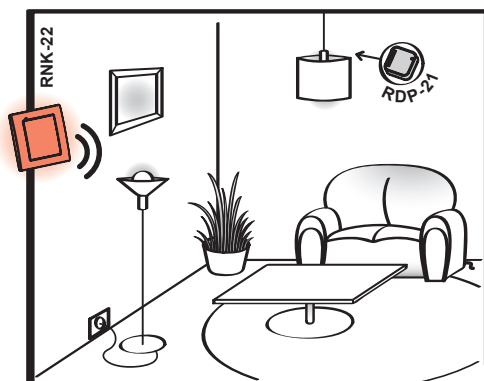
Devices controlled in the ExtaLife app

Technical data

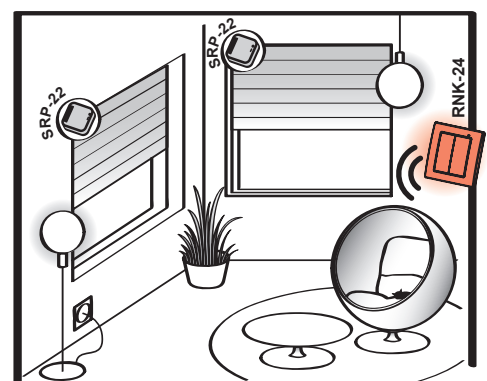
Symbol:	RNK-22	RNK-24
Rated supply voltage:	3 V DC – CR2032 battery	
Transmission range:	max. 350 m in open areas	
Transmission:	radio 868,50 MHz	
Transmission mode:	one-way – 9600 bps	
Encryption:	128-bit key algorithm	
Channels:	2	4
Transmission / low battery optical indication:	green LED diode	
Temperature range measured by the sensor:	-40 ÷ 125°C	
Temperature measurement resolution:	0,1 °C	
Measurement accuracy:	± 1°C (type) 0 ÷ 85°C ± 2°C (type) -40 ÷ 125°C	
Temperature measurement frequency *:	Every 15 minutes	
Battery life:	up to 2 years with enabled temperature sensor 3 ÷ 5 years with disabled temperature sensor (battery life depends on the frequency of use and conditions of operation)	
Operating temperature range:	-10 ÷ +55°C	
Enclosure protection rating:	IP20	
Protection class:	III	
Dimensions:	90 x 80 x 11,5 mm	
Weight:	0,038 kg	

* The temperature in the transmitter is measured once in every 15 minutes. If the currently measured temperature value differs from the previous one by a value > than ±0,3°C the transmitter sends the measurement result (e.g. to a controller). If the temperature does not change the measurement result is obligatorily sent in every 20 subsequent measurements. The information regarding temperature is also sent each time when any button of the transmitter is pressed five times. The temperature sensor in RNK-22 and RNK-24 transmitters can be disabled entirely.

RNK-22 – APPLICATION



RNK-24 – APPLICATION



The remote controls enable wireless operation of EXTA LIFE system receivers. They are used for remote enabling/disabling of the lighting, brightening/dimming operations and operation of window roller blinds, entrance and garage gates. Thanks to implemented frame encryption algorithm control safety is increased. The remote controls are distinguished by their small size, ergonomic shape and attractive appearance. Comfortable silicon buttons facilitate operation. A practical chain with a fob enables combining the remote control, for example with car keys.

2-channel remote control P-457/2



Features

- 2-button (2-channel) radio remote control,
- Remote control of EXTA LIFE system receivers,
- Can control two receivers independently,
- Encrypted RF transmission,
- Battery-operated,
- Small size and ergonomic silicon buttons,
- Long operating range (up to 350 m in open areas).

Optical indication of operation of the transmitter

Buttons



4-channel remote control P-457/4



Features

- 4-button (4-channel) radio remote control,
- Remote control of EXTA LIFE system receivers,
- Can control up to four receivers independently,
- Encrypted RF transmission,
- Battery-operated,
- Small size and ergonomic silicon buttons,
- Long operating range (up to 350 m in open areas).

Optical indication of operation of the transmitter

Buttons



8-channel remote control P-456/8

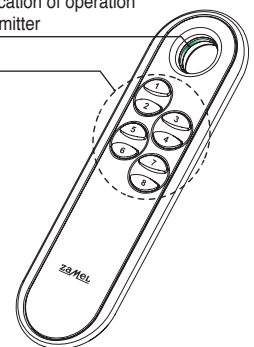


Features

- 8-button (8-channel) radio remote control,
- Remote control of EXTA LIFE system receivers,
- Controls up to 8 receivers independent of each other,
- Encrypted RF transmission,
- Battery-operated,
- Integrated magnet to attach the remote control to metal surfaces (metal holder included with the product),
- Long operating range (up to 350 m in open areas).

Optical indication of operation of the transmitter

Buttons



36-channel remote control P-456/36



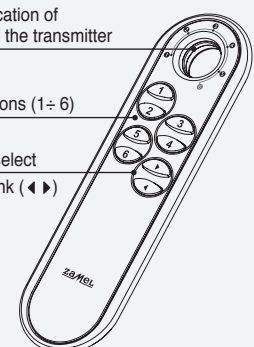
Features

- 36-channel radio remote control,
- Remote control of EXTA LIFE system receivers,
- Can control 36 receivers or 18 roller blinds independently,
- Encrypted RF transmission,
- Battery-operated,
- Integrated magnet to attach the remote control to metal surfaces (metal holder included with the product),
- Long operating range (up to 350 m in open areas).

Optical indication of operation of the transmitter

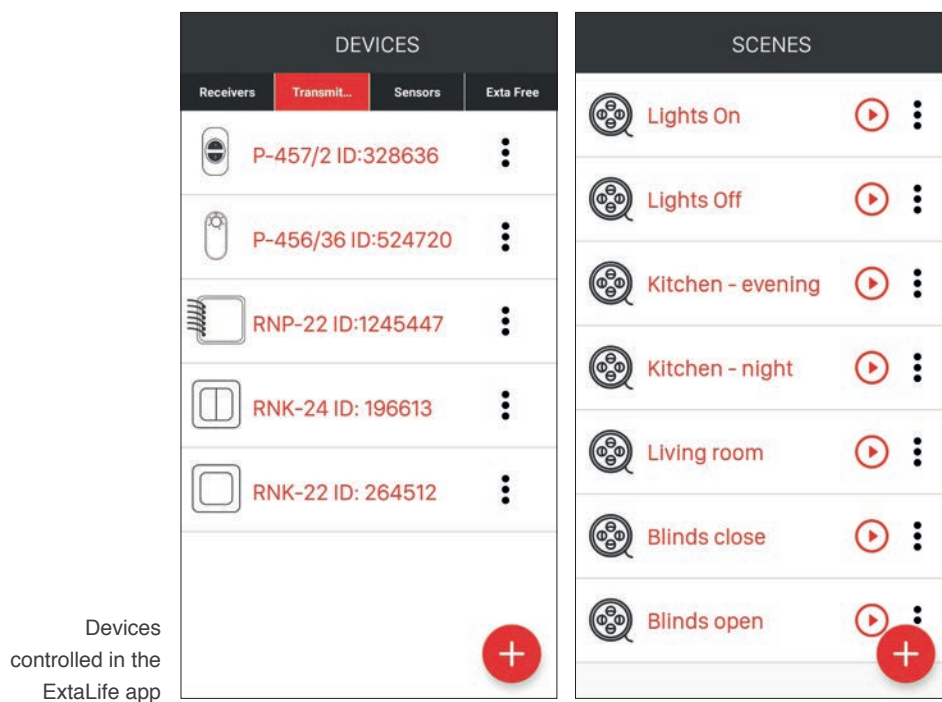
Control buttons (1-6)

Buttons to select a button bank (◀ ▶)

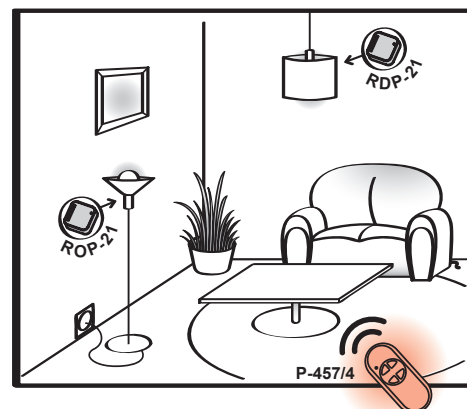
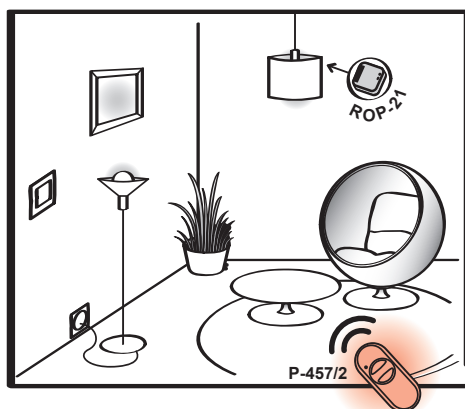


Technical data

Symbol:	P-457/2	P-457/4	P-456/8	P-456/36
Rated supply voltage:	3 V DC – CR2032 battery			
Transmission range:	max. 350 m in open areas			
Transmission:	Radio 868,50 MHz			
Transmission mode:	one-way 9600 bps			
Encryption:	128-bit key algorithm			
Channels:	2	4	8	36
Transmission / low battery optical indication:	green LED diode		2 × green LED	5 × green LED
Battery life:	3 to 5 years (depending on the operational use)			
Operating temperature range:	-10 ÷ +55°C			
Enclosure protection rating:	IP20			
Dimensions:	74 x 33 x 11,5 mm		152 x 43 x 17,5 mm	
Weight:	0,018 kg		0,056 kg	0,060 kg



P-457/2 – APPLICATION
P-457/4 – APPLICATION

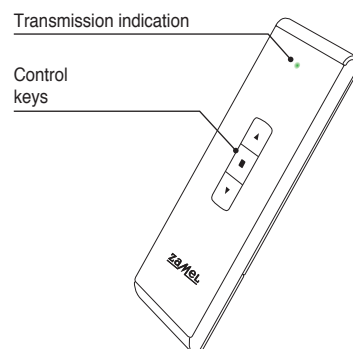


1-channel remote control P-501



Features

- 1-channel radio remote control,
- 3 control keys,
- Dedicated to work with roller blind controllers,
- Can control a maximum of two groups of roller blinds,
- Works with EXTA LIFE or EXTA FREE system receivers,
- Battery-operated,
- Modern design,
- Long operating range (up to 300 m),
- Transmission / low battery optical indication.

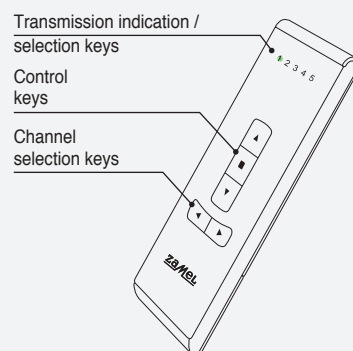


20-channel remote control P-520



Features

- 20-channel radio remote control,
- 3 control keys + 2 channel selection keys,
- Dedicated to work with roller blind controllers,
- Independent control of a maximum of 20 roller blinds,
- Several groups of roller blinds can be created,
- Works with EXTA LIFE and EXTA FREE system receivers,
- Battery-operated,
- Modern design,
- Long operating range (up to 300 m),
- Transmission / low battery optical indication.

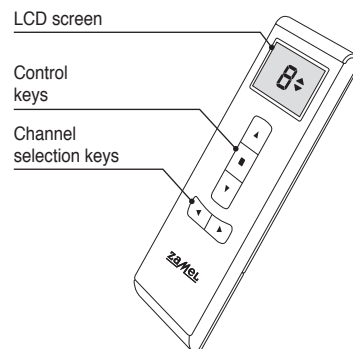


Remote control with an LCD P-521/L



Features

- 20-channel radio remote control,
- Controlled by means of 5 keys and a clear LCD screen,
- Dedicated to work with roller blind controllers,
- Independent control of a maximum of 20 roller blinds,
- Roller blinds can be grouped,
- Works with EXTA LIFE and EXTA FREE system receivers,
- Timer for implementation of time functions directly from the remote control level,
- Battery-operated,
- Modern design,
- Long operating range (up to 300 m).



Technical data

Symbol:	P-501	P-520	P-521/L
Rated supply voltage:	3 V DC – CR2430 battery		
Transmission range:	300 m		
Transmission:	radio 868,50 MHz (EXTA LIFE), 868,32 MHz (EXTA FREE)		
Transmission mode:	one-way 9600 bps		
Encryption:	128-bit key algorithm		
Functionality:	<ul style="list-style-type: none"> • Dedicated to work with roller blind controllers • Works with EXTA LIFE and EXTA FREE system receivers* <ul style="list-style-type: none"> • Local and central roller blind control 		<ul style="list-style-type: none"> • Dedicated to work with roller blind controllers • Works with EXTA LIFE and EXTA FREE system receivers* <ul style="list-style-type: none"> • Clear LCD screen • Timer function enabling direct implementation of the time functions • From the remote control level
Number of channels:	1	20	20
Optical signalling:	1 x LED (transmission / battery low)	5 x LED (transmission / bank (channel) selection / battery low)	LCD screen
Signalling of transmission:	red colour – exta free green colour – exta life		LCD screen
Battery life:	3 - 5 years (depending on the operational use)		2 - 3 years (depending on the operational use)
Operating temperature range:	-10 ÷ +55°C		
Enclosure protection rating:	IP20		
Dimensions:	130 x 45 x 10 mm		130 x 45 x 10 mm
Weight:	0,085 kg	0,095 kg	0,105 kg

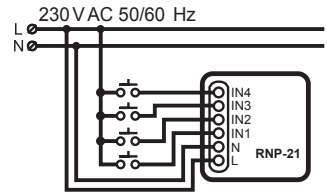
* The remote controllers can work with EXTA LIFE or EXTA FREE system receivers. The systems differ from each other in terms of the data transmission protocol. For this reason the P-501, P-520, P-521/L remote controls cannot simultaneously work with both systems. The particular protocol (EXTA LIFE / EXTA FREE) is selected by means of a button located under the battery cover.

4-channel mains powered flush radio transmitter RNP-21



Features

- Radio transmitter for installation in a mounting box (min. Ø 60 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).

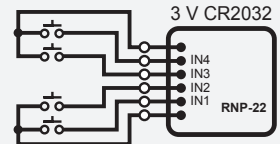


4-channel battery-operated flush radio transmitter RNP-22



Features

- 4-input (4-channel) radio transmitter,
- Remote control of EXTA LIFE system receivers,
- Capable of independent control of up to four circuits (receivers),
- Encrypted RF transmission,
- Battery-operated,
- Small dimensions enabling installation under traditional mounting equipment,
- Long operating range (up to 300 m in open areas).

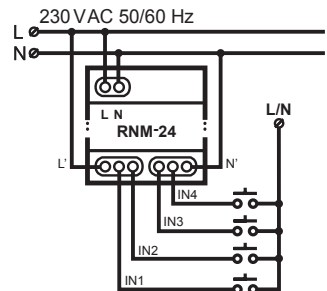


4-channel modular radio transmitter RNM-24



Features

- 4-input (4-channel) radio transmitter,
- Remote control of EXTA LIFE system receivers,
- Capable of independent control of up to four circuits (channels),
- Encrypted RF transmission,
- 230 VAC power supply,
- Long operating range (up to 350 m in open areas),
- Removable antenna – enables connecting an external antenna,
- Installation in switchboards on a TH35 bus.



Technical data

Symbol:	RNP-21	RNP-22	RNM-24
Rated supply voltage:	230 V AC	3 V DC	230 V AC
Rated mains frequency:	50 / 60 Hz	-	50 / 60 Hz
Rated power consumption:	0,65 W	-	0,4 W
Number of channels:	4		
Transmission:	Radio 868,50 MHz		
Transmission mode:	one-way 9600 bps		
Encryption:	yes – 128-bit key		
Transmission range:	up to 300 m		up to 350 m
Range expandable:	yes – REP-21 retransmitter		
Optical signalling of transmission:	yes – LED diode		
Low battery optical indication:	-	yes	-
Operating temperature range:	-10 ÷ +55°C		
Cross section of the connection cables:	up to 2,5 mm ²	-	up to 2,5 mm ²
Enclosure installation:	Ø 60 box		TH35 bar
Enclosure protection rating:	IP20		
Dimensions:	47,5 x 47,5 x 20 mm	47,5 x 47,5 x 13 mm	90 x 35 x 66 mm
Weight:	0,03 kg		0,09 kg

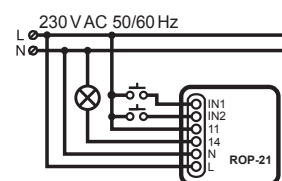
Flush and modular radio receivers are the essence of the EXTA LIFE system. They enable comfortable and efficient control of not only lighting by means of smooth adjustment of LEDs, but also control of LED RGB and RGBW strips. Window roller blinds, entry gate, heating and other electrical equipment – all these devices are controlled not only from the level of radio transmitters, but also by means of smartphones and tablets, from any place in the world. Based on two-way communication between the controller and receivers, the mobile app always shows the current status of the receivers. That way, communication is not only trouble-free, but also user-friendly, it enables changes to selected receiver parameters and remote addition of transmitters. This is implemented directly from the controller level without physical access to the receivers. Thanks to implemented frame encryption algorithm control safety is guaranteed. Receivers outside the controller can be controlled in parallel from the level of wireless transmitters, remote controls and battery keys. You can register more transmitters with a single receiver to enable independent control from several locations. Receivers can be mounted in any location: in a power socket, on a surface, in flush back and surface boxes, and on a mounting rail in an electric switchboard. This ensures a simplified installation and configuration process for the user. Additional wire inputs, which are fully configurable at the controller level increase the control functionality. The receivers have an integrated remote software update function at the controller level, which is useful in the case of introduction of new functionalities.

1-channel flush radio receiver ROP-21

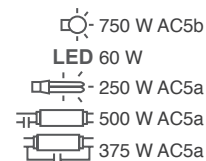


Features

- Rated supply voltage 230 VAC,
- Compatible with EXTA LIFE system transmitters and EFC-01 controller,
- Two-way transmission – receiver status visualised in the app,
- Output in the form of a normally open voltage-free contact,
- Programmable output status after supply voltage loss,
- Programmable external inputs,
- For connecting monostable or bistable connectors,
- 4 operating modes when working with transmitters (activate/deactivate, bistable, monostable, time),
- 2 operating modes when working with controller (activate/deactivate, time)
- Independently set activation times for transmitters, controller and external inputs,
- Software can be updated,
- Control of lighting, solenoid valves etc.
- Installation in the junction box Ø 60 mm.



Capacity

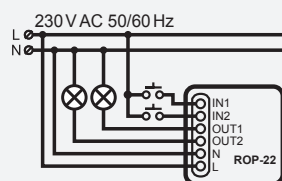


2-channel flush radio receiver ROP-22

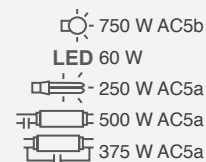


Features

- Rated supply voltage 230 VAC,
- Compatible with EXTA LIFE system transmitters and EFC-01 controller,
- 2 output channels (230 V AC voltage outputs),
- Two-way transmission – visualisation of each output status in the app,
- Programmable output status after supply voltage loss,
- 2 programmable external inputs,
- For connecting monostable or bistable connectors,
- 4 operating modes when working with transmitters (activate/deactivate, bistable, monostable, time),
- 2 operating modes when working with controller (activate/deactivate, time),
- Times independent for the transmitters, controller and external input,
- Times independently for each output,
- Software can be updated,
- Designed to control light wiring circuits,
- Installation in the junction box Ø 60 mm.



Capacity



Technical data

Symbol:	ROP-21	ROP-22
Rated supply voltage:	230 V AC	
Rated mains frequency:	50 / 60 Hz	
Rated power consumption:	0,29 W	<ul style="list-style-type: none"> • 0.39 W stand-by mode • 0.69 W 1-channel operation mode • 1.09 W 2-channel operation mode
Number of channels:	1	2
Transmission:	radio – 868,50 MHz	
Transmission mode:	two-way – 9600 bps	
Encryption:	128-bit key algorithm	
Transmission range:	max. 330 m in open areas	
Optical signalling (transmission / programming):	LED RGB diode	
Maximum number of paired buttons:	96 pairs	
Current receiver status information:	Yes - in EXTA LIFE mobile app	
Operation modes in co-operation with EXTA LIFE system transmitters:	turn on/off, bistable, monostable, time	
Operation modes in co-operation with the EFC-01 controller:	turn on, off, timer	
Number of external inputs:	2	
Compatible connectors*:	monostable (buttons), bistable	
Operation modes for external inputs (monostable connectors)*:	turn on/off, bistable, monostable, time	
Operation modes for external inputs (bistable connectors)*:	a change in connector status causes a change in the output status to the opposite status	
Time setpoint range**:	1 s ÷ 18 h	
Relay contact ratings:	1 x NO 10A / 250 V AC1 2500 VA (normally open contact)	2 x NO 10A / 250 V AC1 2500 VA (on voltage contacts)
Maximum outputs current-carrying capacity:	5 A / 250 V AC	2 x 5 A / 250 V AC
Operating temperature range:	-10 ÷ +55°C	
Enclosure protection rating:	IP20	
Dimensions:	47,5 x 47,5 x 20 mm	
Weight:	0,043 kg	0,039 kg

* Parameters of external inputs (connector type / operation mode / time for external input) are programmable solely at the mobile app level in co-operation with the EFC-01 controller. By default these inputs are adapted for work with monostable connectors, i.e. buttons working in bistable mode.

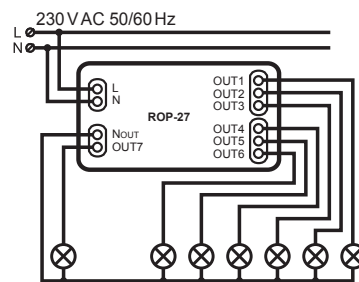
** The time is set independently for each transmitter entered in the receiver in time mode, for each external input and for control from the mobile app level.

7-channel surface mounted radio receiver ROP-27



Features

- Rated supply voltage 230 V AC,
- Compatible with EXTA LIFE system transmitters and EFC-01 controller,
- 7 output channels (230 V AC voltage outputs),
- Two-way transmission – visualisation of each output status in the app,
- Programmable output status after supply voltage loss,
- 4 operating modes when working with radio transmitters (activate/deactivate, bistable, monostable, time),
- 2 operating modes when working with controller (activate/deactivate, time),
- Designed to co-operate with solenoid valves in floor heating systems or control a greater number of light wiring circuits,
- Software can be updated remotely,
- Surface-mounted.



Capacity

1250 VA AC1

350 W AC3

Technical data

Symbol:	ROP-27
Rated supply voltage:	230 V AC
Rated mains frequency:	50 / 60 Hz
Rated power consumption:	0,35 W – stand-by mode 2,85 W – all channels active
Number of channels:	7
Transmission:	Radio – 868,5 MHz
Transmission mode:	two-way – 9600 bps
Encryption:	128-bit key algorithm
Transmission range:	max. 330 m in open areas
Optical signalling (transmission / programming):	LED RGB diode
Maximum number of paired buttons:	96 pairs (distributed into all channels)
Current channel status information:	Yes - in EXTA LIFE mobile app
Operation modes in co-operation with EXTA LIFE system transmitters:	turn on/off, bistable, monostable, time
Operation modes in co-operation with the controller:	Turn on, off, timer
Number of internal inputs:	no
Time setpoint range*:	1 s – 18 h
Relay contact ratings:	7 x NO 10A / 250 V AC1 2500 VA (on voltage contacts)
Maximum outputs current-carrying capacity:	5 A / 250 V AC 1250 VA for AC1 loads 350 W for AC3 loads
Operating temperature range:	-10 ÷ +55°C
Enclosure protection rating:	IP20
Dimensions:	167 x 52,5 x 38,5 mm
Weight:	170 g

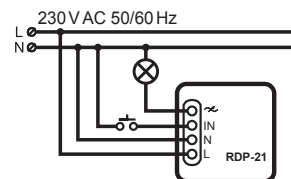
* The time is set independently for each key entered in the receiver in time mode and for control from the mobile app level.

Flush radio dimmer RDP-21



Features

- Rated supply voltage 230 VAC,
- Compatible with EXTA LIFE system transmitters and EFC-01 controller,
- Two-way transmission – visualisation of the dimmer status (ON/OFF) and information on the light intensity value in the mobile app,
- Control component: 2 x MOSFET transistor,
- Leading edge dimming,
- Compatible lighting:
 - Traditional filament and halogen 230 V,
 - Light sources supplied by an electronic or toroidal transformer,
 - Selected dimmable LEDs and dimmable compact fluorescent tubes (CFL),
- Programmable external inputs,
- For connecting monostable or bistable connectors,
- 4 operating modes when working with transmitters (1-key, 2-key, time, comfortable),
- 2 operating modes when working with controller (activate/deactivate + light intensity adjustment, time),
- Memory of the last light intensity setting,
- Programmable brightening and dimming time,
- Programmable minimum and maximum light intensity level,
- Software can be updated,
- Installation in the junction box \varnothing 60 mm.



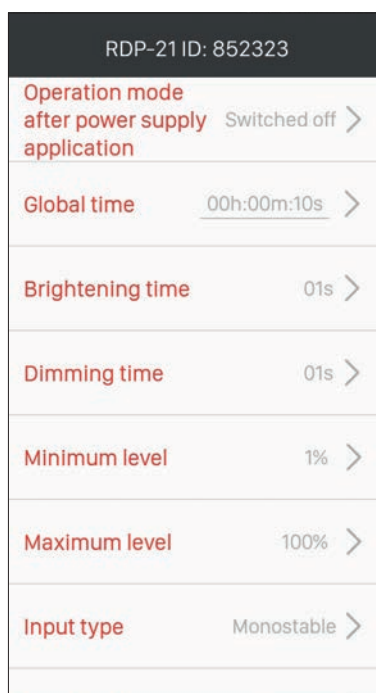
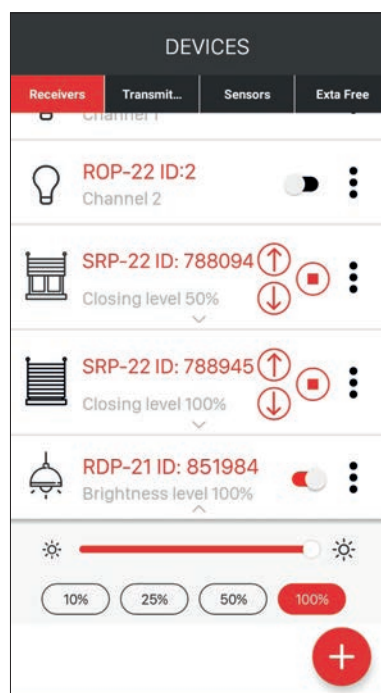
Capacity

250 W-R

LED 200 VA-RC, RL

CFL

DIMMABLE



Devices controlled in the Extalife app

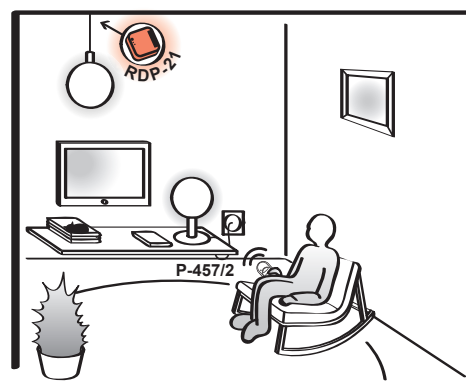
Technical data

Symbol:	RDP-21
Rated supply voltage:	230 V AC
Rated mains frequency:	50 / 60 Hz
Rated power consumption:	0,50 W
Number of channels:	1
Control type:	wireless / wire
Transmission:	radio – 868,50 MHz
Transmission mode:	two-way – 9600 bps
Encryption:	128-bit key algorithm
Transmission range:	max. 330 m in open areas
Optical signalling (transmission / programming):	green LED diode
Maximum number of paired buttons:	96 pairs
Current receiver status information:	yes – in EXTA LIFE mobile app (ON / OFF status + % value of light intensity)
Operation modes in co-operation with EXTA LIFE system transmitters:	one-key, two-key, time, comfortable
Operation modes in co-operation with the EFC-01 controller:	turn on, turn off, light intensity adjustment (slider), time, a maximum of 4 “favourite” settings
Number of external inputs:	1
Level memory:	yes
Compatible connectors*:	monostable (buttons), bistable
Operation modes for external input (monostable connector)*:	bistable (activation to the last set level, activation to 100% brightness, brightness adjustment), time
Operation modes for external input (bistable connector)*:	a change in connector status causes a change in the output status to the opposite status (activation to the last set level, activation to 100% brightness)
Time setpoint range**:	1 s ÷ 18 h
Control module:	MOSFET transistors
Control method:	leading edge – output activated at “0”
Supported loads:	<ul style="list-style-type: none"> • Traditional filament and halogen 230 V AC • Light sources supplied by an electronic or toroidal transformer • selected dimmable LED lights – selected dimmable fluorescent CFL tubes
Maximum load power:	250 W for R loads / 200 VA for RC and RL loads
Operating temperature range:	-10 ÷ +55°C
Enclosure protection rating:	IP20
Dimensions:	47,5 x 47,5 x 23 mm
Weight:	0,040 kg

* External input parameters (connector type / operation mode / time for external input) are programmable solely at the mobile app level in co-operation with the EFC-01 controller. By default the input is adapted for work with monostable connectors (buttons) working in bistable mode.

** The time is set independently for each transmitter entered in the receiver in time mode, for the external input and for control from the mobile app level.

RDP-21 – APPLICATION

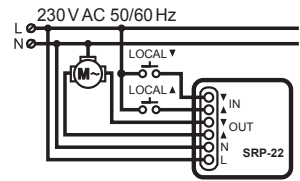


Flush shutter controller SRP-22



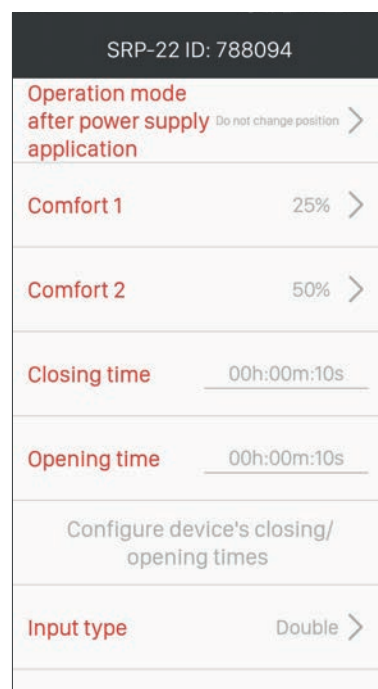
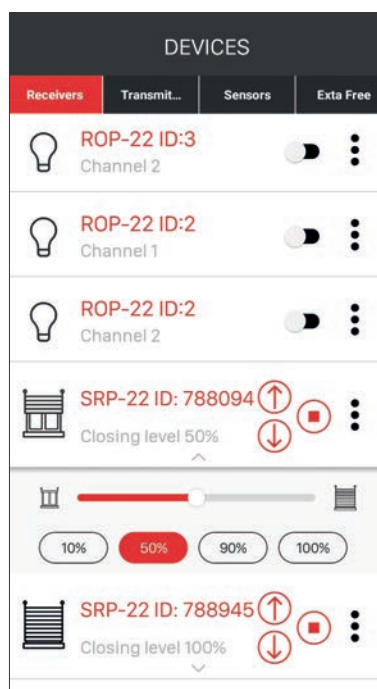
Features

- Rated supply voltage 230 V AC,
- Controlling roller blinds or other devices driven with single-phase 230 V AC motors,
- Compatible with EXTA LIFE system transmitters and EFC-01 controller,
- Two-way transmission enables information on the current position of the shutter in the mobile app (% of closure),
- Maximum load 350 W (2 A) – AC3 class,
- Programmable inputs (local or central control function),
- Single or double roller blind buttons can be connected,
- Programmable movement time for each shutter,
- 2 programmable "Favourite" settings for transmitters and external inputs,
- Up to 4 programmable "Favourite" settings for calling up from the app,
- 2 operating modes in cooperation with receivers (local / central), control type from the app level: open – close – close + slider control,
- Software can be updated,
- Installation in the junction box Ø 60 mm.



Capacity

350 W (2A) AC3



Devices controlled in the Extalife app

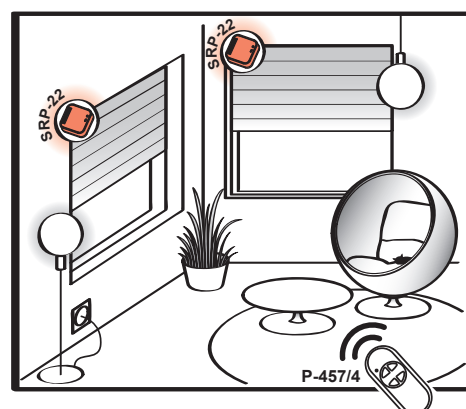
Technical data

Symbol:	SRP-22
Rated supply voltage:	230 V AC
Rated mains frequency:	50 / 60 Hz
Rated power consumption:	0,4 W stand-by mode / 0,7 W operation mode
Control type:	wireless / wire
Transmission:	radio – 868,50 MHz
Transmission mode:	two-way – 9600 bps
Encryption:	128-bit key algorithm
Transmission range:	max. 330 m in open areas
Optical signalling (transmission / programming):	LED RGB diode
Maximum number of paired buttons:	96 pairs
Current receiver status information:	Yes – in EXTA LIFE mobile app (roller blind closure percentage)
Operation modes in co-operation with EXTA LIFE system transmitters:	local, central, 2 “favourite” settings
Operation modes in co-operation with the EFC-01 controller:	open, stop, close roller blind closure percentage set by means of a slider max. 4 “favourite” settings
Number of external inputs:	2
Co-operation with roller blind buttons*:	Only spring-action shutter buttons, single or double buttons
Operation modes for external input*:	local or central – in the case of the local mode 2 “favourite” settings
Shutter movement time**:	Programmable from 1s to 10 minutes
Relay contact ratings:	2NO 10 A / 250 V AC AC3 2500 VA (on voltage contacts)
Maximum load:	350 W (2 A) – AC3 class
Supported motors:	1-phase, 230 V AC
Operating temperature range:	-10 ÷ +55°C
Enclosure protection rating:	IP20
Dimensions:	47,5 x 47,5 x 20 mm
Weight:	0,040 kg

* The operation mode for external inputs (local / central) is programmable solely at the mobile app level in co-operation with the EFC-01 controller. By default the inputs are adapted to operation in local mode. The type of button (single or double) can be programmed at the mobile app level and in the equipment (shorting the external outputs). The “favourite” settings for radio transmitters and external inputs (in the local mode) can be programmed at the app level and the controller level. The “favourite” settings are programmed independently for radio transmitters and external (local) inputs and calls at the mobile app level.

**The shutter movement time is programmable at the controller level and at the mobile app level in co-operation with the EFC-01 controller.

SRP-22 – APPLICATION

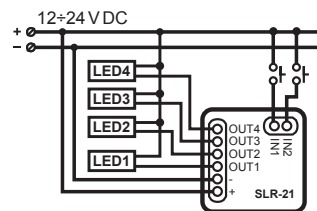


4-channel flush LED controller SLR-21



Features

- Rated supply voltage 12-24 V DC,
- Compatible with Exta Life system transmitters and EFC-01 controller,
- 4 output channels with a maximum current load capacity of 4 A / channel,
- Two-way transmission – status information in the app,
- Programmable output status after supply voltage loss,
- 2 configurable external inputs,
- For connecting mono- or bistable connectors,
- Software can be updated remotely,
- Designed to control 12-24 V DC LED circuits,
- Installation in a 60 mm junction box.

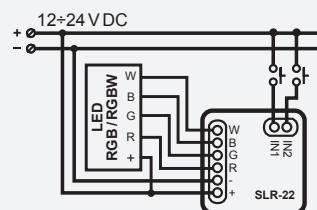


Flush RGBW controller SLR-22



Features

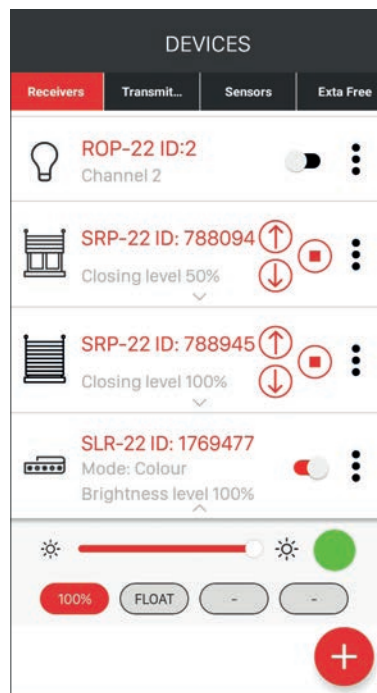
- Rated supply voltage 12-24 V DC,
- Compatible with Exta Life system transmitters and EFC-01 controller,
- 4 input channels with a maximum current load capacity of 4 A / channel,
- Control of RGB or RGBW strips with a supply voltage of 12-24 V DC,
- Colour selection and implementation of automatic modes (programmes),
- Two-way transmission – status information in the app,
- Programmable output status after supply voltage loss,
- 2 configurable external inputs,
- For connecting mono- or bistable connectors,
- Software can be updated remotely,
- Installation in a 60 mm junction box.



Technical data

Symbol:	SLR-21	SLR-22
Rated supply voltage:	12-24 V DC	
Rated power consumption:	0,24 W	
Number of channels:	4	
Maximum number of paired buttons:	96 pairs	
Operating mode for EXTA LIFE transmitters:	turn on / turn off, adjust brightness, monostable, bistable, time	turn on / turn off, adjust brightness, colour selection, Floating mode, programme selection
Control type:	wireless / wire	
Transmission:	Radio 868,50 MHz	
Transmission mode:	two-way 9600 bps	
Encryption:	yes – 128-bit key	
Transmission range:	up to 230 m	
Range expandable:	yes – REP-21 retransmitter	
Optical signalling of operation:	yes – LED diode	
Compatible connectors:	monostable, bistable	
Output parameters:	4 x MOSFET transistor, PWM	
Maximum load power:	4 A / channel (4 x 4 A)	
Operating temperature range:	-10 ÷ +55°C	
Enclosure protection rating:	IP20	
Dimensions:	47,5 x 47,5 x 20 mm	
Weight:	0,04 kg	

Devices
controlled in the
Extalife app



4-channel surface mounted LED controller SLN-21



Features

- Rated supply voltage 12-24 V DC,
- Compatible with EXTA LIFE system transmitters and EFC-01 controller,
- 4 output channels with a maximum current load capacity of 6 A / channel (4 x 6 A),
- Two-way transmission – status information in the app,
- Programmable output status after supply voltage loss,
- 4 configurable external inputs,
- For connecting mono- or bistable connectors,
- Software can be updated remotely,
- Designed to control 12-24 V DC LED circuits,
- Surface-mounted.

Surface mounted RGBW controller SLN-22



Features

- Rated supply voltage 12-24 V DC,
- Compatible with EXTA LIFE system transmitters and EFC-01 controller,
- 4 output channels with a maximum current load capacity of 6 A / channel (4 x 6 A),
- Control of RGB or RGBW strips with a supply voltage of 12-24 V DC,
- Colour selection and implementation of automatic modes (programmes),
- Two-way transmission – status information in the app,
- Programmable output status after supply voltage loss,
- 4 configurable external inputs,
- For connecting mono- or bistable connectors,
- Software can be updated remotely,
- Surface-mounted.

Technical data

Symbol:	SLN-21	SLN-22
Rated supply voltage:	12-24 V DC	
Rated power consumption:	0,24 W	
Number of channels:	4	
Maximum number of paired buttons:	96 pairs	
Operating mode for EXTA LIFE transmitters:	turn on / turn off, adjust brightness, monostable, bistable, time	turn on / turn off, adjust brightness, colour selection, Floating mode, programme selection
Control type:	wireless / wire	
Transmission:	Radio 868,50 MHz	
Transmission mode:	two-way 9600 bps	
Encryption:	yes – 128-bit key	
Transmission range:	up to 230 m	
Optical signalling of operation:	yes – LED diode	
Compatible connectors:	monostable, bistable	
Output parameters:	4 x MOSFET transistor, PWM	
Maximum load power:	6 A / channel (4 x 6 A)	
Operating temperature range:	-10 ÷ +55°C	
Enclosure protection rating:	IP20	
Dimensions:	167 x 52,5 x 38,5 mm	
Weight:	0,04 kg	
Range expandable:	yes – REP-21 retransmitter	

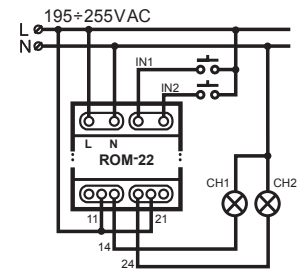
Devices
controlled in the
Extalife app

Modular radio receiver ROM-22



Features

- Rated supply voltage 230 V AC,
- Compatible with EFC-01 EXTA LIFE system controller and transmitters,
- With 2 output channels (2 x potential-free NO/NC switchable contacts),
- Two-way transmission – with an indication of each output status in the app,
- Programmable output status after supply voltage loss and restoration,
- 2 programmable external inputs,
- For connecting monostable or bistable connectors,
- Different operating modes,
- Software can be updated remotely,
- Removable antenna,
- Installation on a TH35 rail (2 modules).

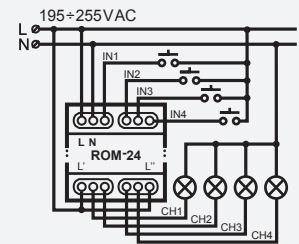


Modular radio receiver ROM-24



Features

- Rated supply voltage 230 V AC,
- Compatible with EXTA LIFE system transmitters and EFC-01 controller,
- 4 output channels (4 x voltage-free closing contacts),
- Two-way transmission – with an indication of the current output status in the app,
- Programmable output status after supply voltage loss,
- 4 programmable external inputs,
- For connecting monostable or bistable connectors,
- 4 operating modes when working with transmitters (activate/deactivate, bistable, monostable, time),
- 2 operating modes when working with controller (activate/deactivate, time),
- Times independent for the radio transmitters, controller and external inputs,
- Times independently for each output,
- Software can be updated remotely,
- Installation in a switchboard on a TH35 bus (2 modules).



Technical data

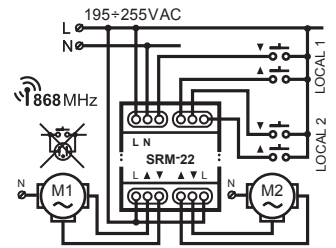
Symbol:	ROM-22	ROM-24
Rated supply voltage:	230 V AC	
Rated mains frequency:	50 / 60 Hz	
Rated power consumption:	0,65 W	
Number of channels:	2	4
Transmission:	Radio 868,50 MHz	
Transmission mode:	two-way – 9600 bps	
Encryption:	yes – 128-bit key	
Transmission range:	up to 330 m	
Range expandable:	yes – REP-21 retransmitter	
Optical signalling (transmission / programming):	yes – LED diode	
Maximum number of paired buttons:	96 pairs distributed into all channels	
Current receiver / channel status information:	yes – in the EXTA LIFE app	
Operation modes in co-operation with EXTA LIFE system transmitters:	Turn on/off, bistable, monostable, time	
Operation modes in co-operation with the EFC-01 controller:	Turn on, off, timer	
Number of external inputs:	2	4
Compatible connectors:	monostable / bistable	
Operation modes for external inputs (monostable connectors):	bistable, time, monostable, turn on, turn off	
Operation modes for external inputs (bistable connectors):	time, monostable, turn on, turn off	
Time setpoint range:	1 s ÷ 18 h	
Relay contact ratings:	2 x 16 A / 250 V AC	4 x 10 A / 250 V AC
Maximum outputs current-carrying capacity:	2 x 10 A / 250 V AC	4x 5 A / 250 V AC
Operating temperature range:	-10 ÷ +55°C	
Enclosure protection rating:	IP20	
Dimensions:	90 x 35 x 66 mm (double module)	
Weight:	0,13 kg	0,125 kg

Modular shutter controller SRM-22



Features

- Rated supply voltage 230 V AC,
- Controlling roller blinds or other devices driven with single-phase 230 V AC motors,
- Independent control of two shutters / motors,
- Compatible with EXTA LIFE transmitters and controller,
- Two-way transmission – information on the current position of the shutter in the mobile app,
- Maximum load 350 W (2 A) class AC3 per shutter.



Capacity

2 x 350 W (2A) AC3

Technical data

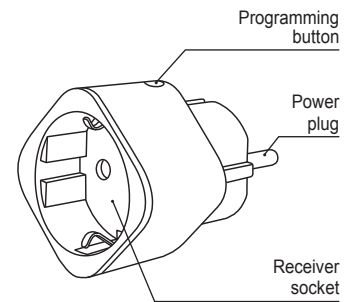
Symbol:	SRM-22
Rated supply voltage:	230 V AC
Rated mains frequency:	50 / 60 Hz
Rated power consumption:	0,65 W
Control type:	wireless / wire
Transmission:	radio – 868,5 MHz
Transmission mode:	two-way 9600 bps
Encryption:	yes – 128-bit key
Transmission range:	up to 330 m
Range expandable:	yes – REP-21 retransmitter
Optical signalling (transmission / programming):	yes – LED diode
Maximum number of paired buttons:	96 pairs
Current receiver status information:	Yes – in the mobile app
Operation modes in co-operation with EXTA LIFE system transmitters:	local, central, 2 favourite settings
Operation modes in co-operation with the EFC-01 controller:	open / close / stop closure degree percentage a maximum of 4 favourite settings
Number of external inputs:	4 (2 per shutter)
Co-operation with roller blind buttons:	Yes – spring-action single or double buttons
Operation modes for external input:	local or central
Shutter movement time:	Programmable from 1s to 10 minutes
Relay contact ratings:	4 x 5 A / 250 V AC
Maximum load:	2 x 350 W (2A) AC3 class
Supported motors:	Single-phase 230 VAC with limit switches
Operating temperature range:	-10 ÷ +55°C
Enclosure protection rating:	IP20
Dimensions:	90 x 35 x 66 mm (double module)
Weight:	0,125 kg

Remote controlled socket ROG-21



Features

- Rated supply voltage 230 V AC,
- Easy installation directly in a 230 V socket,
- Small dimensions,
- Compatible with EXTA LIFE system transmitters and EFC-01 controller,
- Two-way transmission – socket status information in the app,
- Selected parameters can be configured,
- 4 operating modes when working with transmitters (activate/deactivate, bistable, monostable, time),
- 2 operating modes when working with controller (activate/deactivate, time),
- Software can be updated,
- Measurement of basic network parameters (current voltage, intensity),
- Measurement of active power and consumed energy,
- Estimation of the cost of energy consumption for the device connected to the socket.

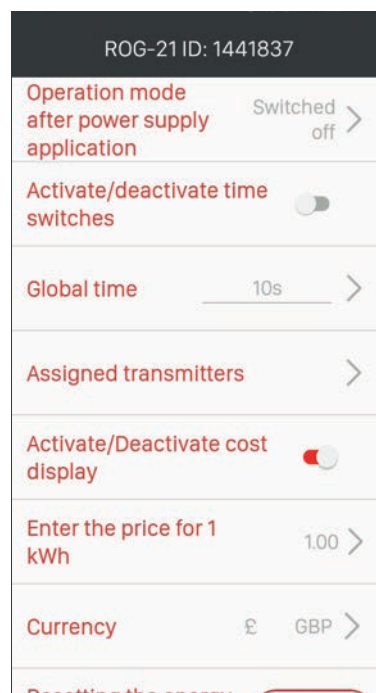
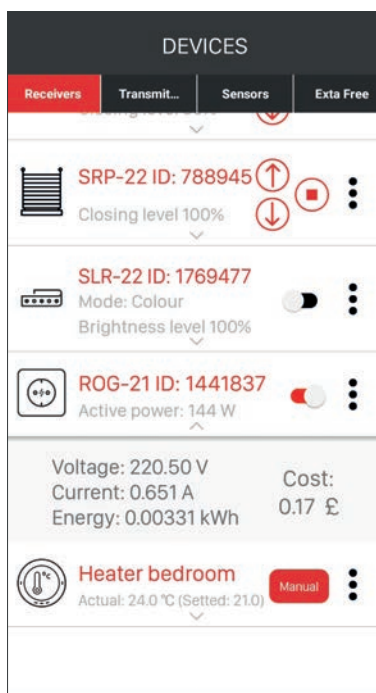
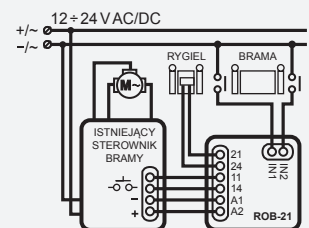


Radio gate receiver ROB-21



Features

- Wide supply voltage range: 12 - 24 V AC / DC,
- Two voltage-free outputs for independent control of the gate and the walk gate,
- Two inputs to connect signals from the limit switches (gate status information),
- Programmable impulse length for gate and walk gate control,
- Automatic gate closure function,
- Gate controlled from the mobile app coupled with the EFC-01 controller,
- Gate status information visible in the app (with the use of inputs and connection of appropriate sensors),
- Selected parameters can be configured,
- Remote software update,
- For installation in Ø 60 mm boxes.



Devices controlled in the Extalife app

Technical data

Symbol:	ROG-21	ROB-21
Rated supply voltage:	230 V AC	12 - 24 V AC / DC
Rated frequency:	50 / 60 Hz	-
Rated power consumption:	0,6 W	0,9 W
Number of channels:	1	2 voltage-free closing contacts
Transmission:	Radio 868,50 MHz	
Transmission mode:	two-way – 9600 bps	
Encryption:	yes – 128-bit key	
Transmission range:	250 m	300 m
Optical signalling (transmission / programming):	yes – LED diode	
Maximum number of paired buttons:	96 pairs	
Compatibility:	EXTA LIFE system components only	
Functionality:	<ul style="list-style-type: none"> • Control of any 230 V AC devices, • Measurement and estimation of electric energy consumption, • Active power, voltage, current strength measurement 	<ul style="list-style-type: none"> • Co-operation with dedicated entrance and garage gate controller as an external triggering component • Independent gate and walk gate control option • Programmable impulse length for gate and walk gate opening • Automatic gate closure function after a specified time (inactive by default) <ul style="list-style-type: none"> • Option to connect signals from limit switches / sensors (allows to obtain information on the current gate status)
Current receiver / channel status information:	yes – in the EXTA LIFE app	
Operation modes in co-operation with EXTA LIFE system transmitters:	Turn on/off, bistable, monostable, time	-
Operation modes in co-operation with the EFC-01 controller:	Turn on, off, timer	-
Number of external inputs:	-	2 - low-voltage 12 - 24 V AC / DC
Number of terminals:	-	8
Time setpoint range:	1 s ÷ 18 h	-
Relay contact ratings:	16 A / 250 V AC	2 x NO 8 A / 250 V AC
Maximum outputs current-carrying capacity:	13 A for $\cos\phi = 1$ / 8 A for $\cos\phi = 0,5$	-
Range expandable:	yes – REP-21 retransmitter	-
Measurements of network parameters:	current voltage, intensity	-
Power measurement:	active power P (W)	-
Energy measurement (kWh):	yes (with a reset option)	-
Energy consumption cost estimation:	yes – based on the rate per kWh	-
Operating temperature range:	-10 ÷ +55°C	
Enclosure protection rating:	IP20	
Dimensions:	52 x 52 x 52 mm	47,5 x 47,5 x 20 mm
Weight:	0,64 kg	0,04 kg

GKN-01 temperature controller - a device for adjusting the local temperature by using manual setting or a selected weekly schedule. The controller can work with heating mats or control valves through a relay output. In the case of low-voltage solenoid valves the use of additional isolation relays.

Temperature controller GKN-01



Features

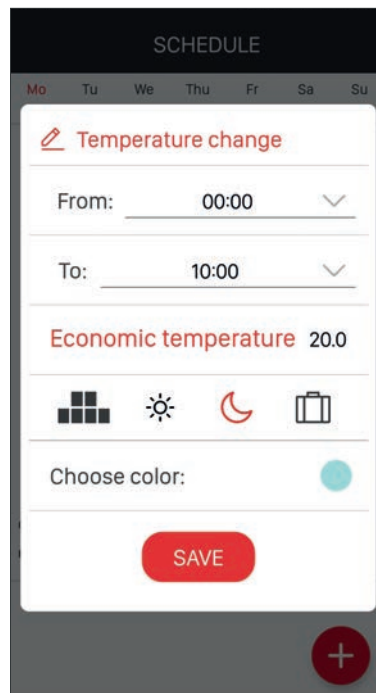
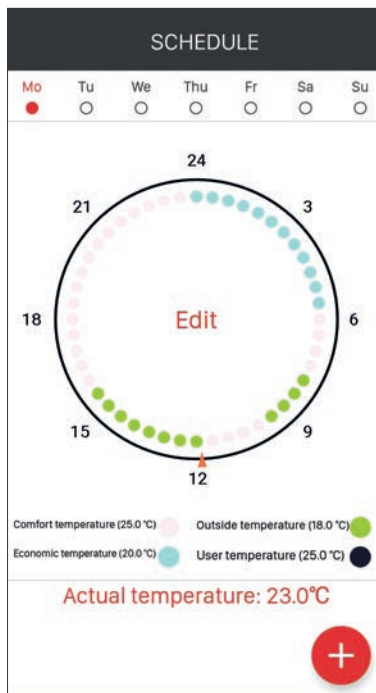
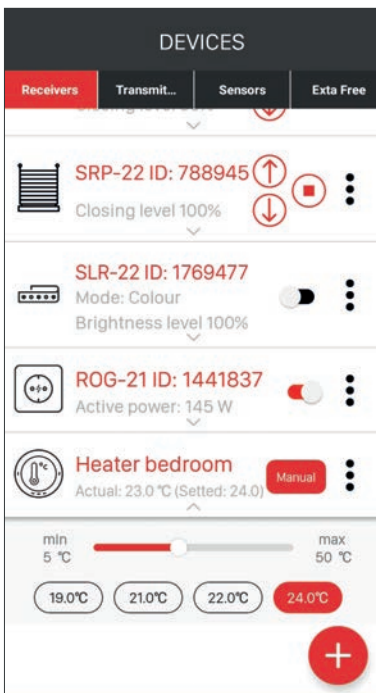
- Universal graphic controller module with a 16 x 16 matrix designed to display numbers, icons and texts,
- 5 backlit touch buttons enabling intuitive operation,
- Red/blue diode to signal the communication and device status,
- Integrated light intensity and temperature sensor, buzzer and battery powering the timer,
- Black body with laser engravings to mark the button functions,
- 230 V AC mains power, 16 A relay output,
- Software can be updated remotely,
- EXTA LIFE controller integration (operation, schedule editing, configuration).

Radio thermostatic radiator controller RGT-01



Features

- For autonomous operation or as a part of EXTA LIFE system,
- Enables configuring temperature for 24-hour and weekly cycles,
- Manual mode (outside schedule),
- Changing operation method and changing settings from app,
- With selected parameters configurable,
- With clear LCD screen,
- Optimised energy consumption,
- Battery-operated,
- Compatible with M30 x 1.5 valves or valve inserts,
- Adjustable valve closing force,
- Easy installation directly next to the heater.



Devices controlled in the ExtaLife app

Technical data

Symbol:	GKN-01
Rated supply voltage:	230 V AC
Rated mains frequency:	50 / 60 Hz
Rated power consumption:	1,6 W – stand-by, 2 W – active relay
Timer power supply:	3 V – CR1220 battery
Battery life:	to 2 years
Temperature setting range:	5-50 °C with 0.5°C steps
Temperature measurements:	internal probe, external probe internal probe with floor temperature limited by the external probe
Temperature measurement accuracy:	± 0,5°C
Display:	LED matrix (white colour)
Operation:	5 x touch buttons, Exta Life mobile app
Signalling of communication / output status:	yes – white LED diode (communication), red (status)
Operating mode:	manual, comfortable, economical, off, schedule-based operating modes (away from home, home, anti-frost, holiday) floor tempering mode
Transmission:	Radio 868,50 MHz
Transmission mode:	two-way – 9600 kbps
Encryption:	yes – 128-bit key
Transmission range:	200 m
Body installation:	Ø 60 mm box
Floor probe connection:	yes – 10 kΩ NTC probe
Internal probe:	NTC thermistor
Controller output:	230 V AC voltage output
Output component:	relay – contact 16 A / 250 V AC
Operating temperature range:	-10 ÷ 55°C
Display brightness adjustment:	yes – selected level or auto mode
Button sound level adjustment:	yes (10 steps)
Range expandable:	yes – REP-21 retransmitter
Enclosure protection rating:	IP20
Dimensions:	90 x 90 x 45 mm
Weight:	0,156 kg

Technical data

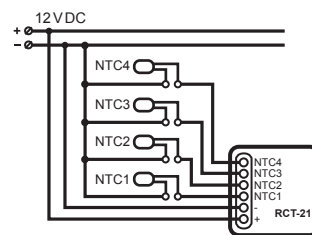
Symbol:	RGT-01
Rated supply voltage:	3 V DC
Battery type:	2 x 1,5 V LR6 AA
Battery life:	up to 8 months (with default settings)
Low battery indication:	yes
Transmission:	Radio 868,5 MHz
Data encoding:	yes – 128-bit key
Transmission range:	max. 300 m in open areas
Range expandable:	yes – REP-21 retransmitter
User interface:	LCD screen + 5x control buttons, Exta Life app
Compatible with valves / valve insert thread:	M30 x 1.5 thread
Temperature sensor type:	NTC integrated into radiator controller
Supports an external sensor:	no
Temperature setting range:	+5-50 °C with 0,5°C steps
Temperature measurement time:	60 s to 30 min
Synchronization time ts:	60 s to 6 h – set as time multiplier tp
Hysteresis (upper/lower):	0 ÷ 5°C
Alarm temperatures:	minimum (3 to 15°C), maximum (50 to 90°C)
Enclosure protection rating:	IP20
Operating temperature range:	-10 ÷ +55°C
Dimensions:	88 mm (length), 54,5 mm (diameter)
Weight:	0,178 kg

Flush radio temperature sensor RCT-21



Features

- 4-input (4-channel) radio sensor,
- Temperature measurement in the EXTA LIFE system,
- 12 V DC rated power supply,
- Compatible with NTC 10k resistance temperature detectors (NTC-03 probes),
- Wide measurement range (-40°C to +110°C),
- Software can be updated remotely and each measurement channel can be parametrised,
- Encrypted RF transmission,
- Small dimensions enabling installation in junction boxes,
- Long operating range (up to 300 m in open areas).



Flush radio temperature sensor RCT-22



Features

- Integrated digital temperature sensor,
- 3 V battery power (1 × CR2032),
- Temperature measurement resolution: 0,1°C,
- Encrypted RF transmission,
- Small dimensions enabling installation in junction boxes,
- Long operating range (up to 300 m in open areas).

Technical data

Symbol:	RCT-21	RCT-22
Rated supply voltage:	12 V DC	3 V DC
Rated power consumption:	0,24 W	-
Battery type:	-	CR2032
Battery life:	-	up to 2 years
Transmission:	radio – 868,5 MHz	
Transmission mode:	two-way – 9600 bps	one-way – 960 kbps
Encryption:	yes – 128-bit key	
Compatibility with system components:	EXTA LIFE (only by means of the EFC-01 controller)	
Functionality:	Temperature measurement in 4 independent channels	Temperature measurement
Control / Configuration:	only via mobile app	
Temperature measurement range:	-40 ÷ 110°C	-40 to 125°C (digital sensor range)
Temperature measurement frequency:	1 s to 10 h (set for the entire device)	every 15 min or obligatorily every 150 min
Measurement hysteresis:	0,3 to 10°C (set for each channel)	0,3°C (change not possible)
Temperature measurement resolution:	0,1°C	
Temperature measurement accuracy:	depends on the NTC probes used	1°C from 0 to 85°C; 2°C outside this range
Enclosure protection rating:	IP20	
Installation method:	Ø 60 mm box	
Operating temperature range:	-10 ÷ 55°C	
Dimensions:	47,5 x 47,5 x 20 mm	47,5 x 47,5 x 13 mm
Weight:	0,02 kg	
Range expandable:	yes – REP-21 retransmitter	

Radio motion sensor RCR-21



Features

- Battery-operated (transmission only) or from a fixed power source (two-way communication),
- External power supply only via the PCL-01 base stand,
- Motion detection based on the digital PIR sensor,
- Compatible with the EFC - 01 controller and the EXTA LIFE receivers,
- Direct sensor – receiver co-operation bypassing the controller possible,
- Operation with or without the twilight sensor,
- Adjustable operation sensitivity (size of the detected objects),
- Several operating modes,
- Tamper-resistance function based on an integrated accelerometer,
- Additional configurable output (NO or NC) to co-operate, for example with an alarm system,
- Low battery indication,
- Installation using a magnetic stand,
- Convenient direction-setting method,
- Small dimensions.

Radio reed relay sensor RCK-21



Features

- Battery-operated (transmission only) or from a fixed power source (two-way communication),
- Detection of window, door opening/closure based on a magnetic Hall effect sensor,
- Compatible with the EFC - 01 controller and the EXTA LIFE receivers,
- Direct sensor – receiver co-operation bypassing the controller possible,
- 10 different operating modes,
- Low battery indication,
- Transmission signalling,
- Small dimensions.

Technical data

Symbol:	RCR-21
Rated supply voltage:	3,0 to 3,6 V - internal 1/2 AA battery 5,5 to 24 V AC / DC – external power supply
External power supply connection:	Only via the PCL-21 base stand;
Transmission:	radio – 868,5 MHz
Transmission mode:	one-direction (when battery-operated) two-way (when powered from an external power supply)
Encryption:	yes – 128-bit key
Compatibility with system components:	with the EFC-01 controller directly with EXTA LIFE receivers bypassing the controller
Functionality:	Motion detection, operation with / without a twilight sensor; Adjustable operation sensitivity (size of the detected objects); Integrated accelerometer – tamper-resistance function; Configurable output (NO / NC)
Motion detection:	digital PIR sensor
Detection range:	1 m to 8 m
Detection sensitivity:	highest sensitivity (sensor triggered by small objects) lowest sensitivity (small objects are ignored by the sensor)
Twilight sensor:	yes – integrated (0 to 100000 lx)
Selected parameters configurable:	yes – via mobile app (only with external power supply)
Switch-off delay time:	10 s to 1 h – set with 1 s steps
Range expandable:	yes – REP-21 retransmitter
Enclosure protection rating:	IP20
Installation method:	optional – magnetic holder or PCL-01 stand
Operating temperature range:	-10 ÷ + 55°C
Dimensions:	height: 32 mm, diameter: 50 mm, height with a stand: 46 mm
Weight:	45 g

Technical data

Symbol:	RCK-21
Rated supply voltage:	3,0 V to 3,6 V – internal 1/2 AA battery 5,5 to 24 V AC / DC – external power supply
External power supply connection:	additional terminals
Transmission:	radio – 868,5 MHz
Transmission mode:	one-direction (when battery-operated) two-way (when powered from an external power supply)
Encryption:	yes – 128-bit key
Compatibility with system components:	with the EFC-01 controller directly with EXTA LIFE receivers bypassing the controller
Functionality:	Door or window opening / closure detection Controlling signals sent to selected receivers 10 different operating modes
Sensor type used:	magnetic Hall effect sensor
Detection range:	maximum 12 mm
Transmission signalling:	yes – LED diode
Selected parameters configurable:	yes – via mobile app (only with external power supply)
Range expandable:	yes – REP-21 retransmitter
Enclosure protection rating:	IP20
Installation method:	on the window / door frame
Operating temperature range:	-10 ÷ + 55°C
Dimensions:	19 x 75 x 17 mm (height x length x width)
Weight:	35 g

Radio flooding sensor RCZ-21



Features

- Battery-operated (transmission only) or from a fixed power source (two-way communication),
- External power supply only via the PCZ-21 base stand,
- Detection of water and other conductive liquids by means of integrated telescopic probes,
- External probe connection option (only via the PCL-01 base stand),
- The terminals used to connect the external probe can play the role of a count input,
- Co-operation with the EFC-01 controller and the EXTA LIFE receivers,
- Direct sensor – receiver co-operation bypassing the controller possible,
- Flooding-resistant,
- Low battery indication,
- Transmission signalling,
- Small dimensions.

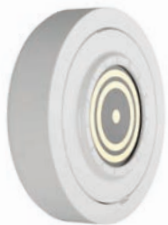
Multisensor RCM-21



Features

- Battery-operated (transmission only) or from a fixed power source (two-way communication),
- External power supply only via the PCL-01 base stand,
- Compatibility with the EFC-01 controller,
- Measurement of basic physical quantities, such as: temperature, humidity, light intensity, and pressure,
- Parametrisable sensor (measurement, hysteresis frequency),
- Usable in control processes by means of logic functions,
- Low battery indication,
- Transmission signalling,
- Small dimensions.

Power supply stand (magnetic) PCL-21



Features

- Is used for power supply of Exta Life sensors,
- Cooperation with EFC-01 controller and Exta Life receivers,
- Supply voltage range 6 - 24 V AC / DC,
- Is equipped with power supply unit connector,
- Sensor to stand magnetic mount,
- Extends functionality of sensors.

Power supply stand (magnetic) with flooding probe PCZ-21



Features

- Is used for power supply of RCZ-21 Exta Life flooding sensor,
- Supply voltage range 6 - 24 V AC / DC,
- Is equipped with connector for power supply unit and flooding probe,
- Cooperation with EFC-01 controller and Exta Life receivers,
- RCZ-21 flooding sensor to stand magnetic mount,
- Extends functionality of RCZ-21 flooding sensor.

Technical data

Symbol:	RCZ-21
Rated supply voltage:	3 V – 1 x CR2032 – internal battery 5,5 to 24 V AC / DC – external power supply
External power supply connection:	Only via the PCL-01 base stand
Transmission:	radio – 868,5 MHz
Transmission mode:	one-direction (when battery-operated) two-way (when powered from an external power supply)
Encryption:	yes – 128-bit key
Compatibility with system components:	with the EFC-01 controller directly with EXTA LIFE receivers bypassing the controller
Functionality:	Detection of water and other conductive liquids, Controlling signals sent to selected receivers, Optical and acoustic flooding signalling
Flooding detection:	By means of gold-plated telescopic probes (3 pcs.) By means of external probe (optional)
Connections to an external probe:	Only via the PCL-01 base stand
Impulse counting function:	yes – by means of terminals once an external probe is connected
Dimensions:	height: 13,5 mm x diameter: 50 mm, height with a stand: 27 mm
Weight:	35 g

Technical data

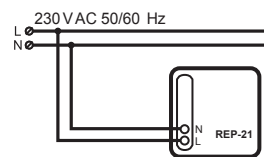
Symbol:	RCM-21
Rated supply voltage:	3 V – 1 x CR2032 – internal battery 5 to 24 V AC / DC – external power supply
External power supply connection:	Only via the PCL-01 base stand
Transmission:	radio – 868,5 MHz
Transmission mode:	one-direction (when battery-operated) two-way (when powered from an external power supply)
Encryption:	yes – 128-bit key
Compatibility with system components:	only with the EFC-01 controller
Functionality:	Measurement of temperature, humidity, light intensity, and atmospheric pressure Processes controlled by means of logic functions
Sensors used:	digital, integrated with the device
Temperature measurement range:	-30°C ÷ + 60°C
Temperature hysteresis:	0,3 ÷ 30°C with interval of 0,1°C
Humidity measurement range:	0 ÷ 99%
Humidity hysteresis:	1 ÷ 99% with interval of 1%
Light intensity range:	1 ÷ 100.000 lx
Light hysteresis:	1 ÷ 10.000 lx with interval of 1 lx
Atmospheric pressure measurement range:	260 ÷ 1260 kPa
Pressure hysteresis:	1 ÷ 100 hPa with interval of 1 hPa
Relative and absolute pressure measurement:	yes
Measurement frequency:	configurable 1 s ÷ 6480 s (for the entire sensor)
Transmission signalling:	yes – LED diode
Selected parameters configurable:	yes – via mobile app (only with external power supply)
Enclosure protection rating:	IP20
Installation method:	any or installation in a PCL-01 base stand
Operating temperature range:	-10 ÷ + 55°C
Dimensions:	height: 13,5 mm, diameter: 50 mm, height with a stand: 27 mm
Weight:	35 g
Range expandable:	yes – REP-21 retransmitter

Flush retransmitter REP-21



Features

- Rated supply voltage 230 V AC,
- Co-operation with EXTA LIFE system components (controller, receivers, transmitters, sensors),
- Range increased up to approximately 250 m in open areas,
- Easy and intuitive operation from the app level,
- For installation in 60 mm junction boxes,
- Software can be updated remotely.



Exta Life – IRDA converter RTI-21



Features

- 230 V AC mains power,
- Signals received from infra-red remote controls and converted to the EXTA LIFE standard,
- EXTA LIFE signals received and converted to infra-red signals,
- Support for basic and most popular IR remote control coding systems,
- Selected devices controllable (TV, amplifier, air conditioning) by means of EXTA LIFE system remote controls or app,
- Wide detection range (360°) for IR remote controls,
- Transmission signalling,
- Small size.

Technical data

Symbol:	REP-21	RTI-21
Rated supply voltage:	230 V AC	
Rated power consumption:	0,5 W	0,7 W
Supply voltage tolerance:	-	-15 ÷ +10%
Rated frequency:	50 / 60 Hz	
Connection wiring length:	-	1,5 m
Transmission:	radio – 868,5 MHz	radio – 868,5 MHz / infra-red (IRDA)
Transmission mode:	two-way 9600 bps	radio – two-way 9600 bps infra-red – two-way (transmitter + receiver)
RF transmission encryption:	yes – 128-bit key	
IRDA coding:	-	in accordance with the coding of the entered IR remote sensor
Functionality:	-	<ul style="list-style-type: none"> • any EXTA LIFE receiver can be controlled from the remote control level • any device compatible with an infra-red remote control can be controlled from the remote sensor or EXTA LIFE app level
Maximum number of IR buttons:	-	128
Maximum number of paired devices:	32	96
Optical signalling of transmission:	yes – LED RGB diode	yes – LED diode
RF transmission range:	up to 250 m	max. 230 m in open areas
IR transmission range:	-	up to 10 m
Number of terminals:	2	-
Installation method:	Ø 60 mm box	-
Operating temperature:	-10 ÷ + 55°C	
Installation orientation:	-	any – visibility should be maintained between the IR remote controls and RTI-21
Enclosure protection rating:	IP20	
Dimensions:	47,5 x 47,5 x 20 mm	Ø 75 mm, height: 40 mm
Weight:	0,025 kg	0,04 kg

* RTI-21 supports the most popular IRDA coding systems

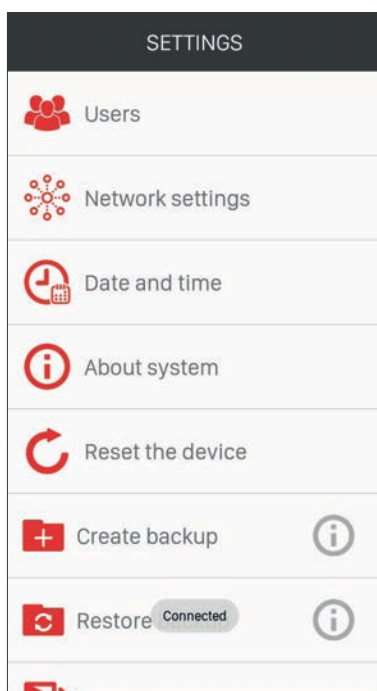
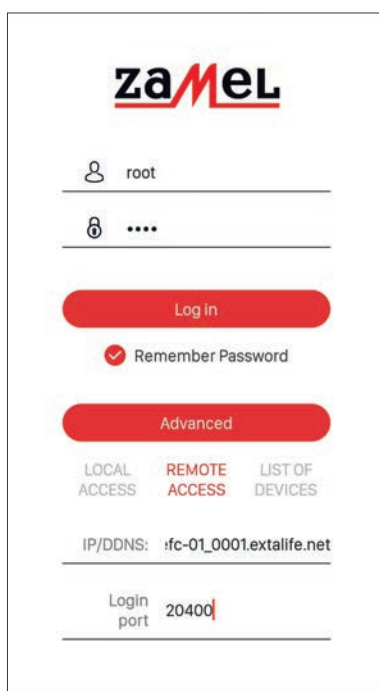
The EFC-01 controller is a central unit that connects EXTA LIFE receivers, sensors and transmitters to provide them with smart system functionality. Another purpose of the controller is to co-operate with Android and iOS mobile devices. It requires installing EXTA LIFE, the free app that enables setting up the entire system and its subsequent management. The role of the EFC-01 controller in the EXTA LIFE system comes down to managing all the components paired with it. This is a perfect tool for a system fitter — it enables remote addition of transmitters to receivers and their parametrisation. Implementation of temporal and logical functions enables extending EXTA LIFE system features by automation of certain processes. Based on two-way communication between the controller and receivers the app always shows the current status of the receiver. It applies both to control from within and without the home network (via Internet). The controller is distinguished by small size and modern look.

Controller EFC-01



Features

- Co-operation with EXTA LIFE system components (transmitters, receivers, sensors),
- System management from mobile devices (tablets, smartphones),
- Implementation of scenes, temporal and logical functions,
- Radio transmission in 868.5 MHz band, encrypted,
- Can be controlled locally from within the house and remotely (via Internet),
- Two-way transmission with system receivers,
- Support for Android and iOS system devices,
- long operating range (up to 350 m in open areas),
- Small size and modern look.



Logging and configuration menu in the Extalife app

Technical data

Symbol:	EFC-01
Rated supply voltage:	5V DC / 1.2A – Micro USB standard
Rated power consumption:	1,6 W
Communication with EXTA LIFE components:	radio – 868,5 MHz
Transmission mode:	two-way – 9600 bps
Encryption:	128-bit key algorithm
Transmission range:	max. 350 m in open areas
Can be connected to an external antenna:	no
Communication with mobile devices:	based on the TCP protocol – connection via an external Wi-Fi router
Terminals:	<ul style="list-style-type: none"> • 1 x RJ45 Ethernet Port • 1 x Micro USB B 2.0 • 2 x USB A 2.0 • RESET button
Maximum number of supported devices*:	80
Software can be updated:	yes
Signalling:	LED
Operating temperature range:	-10 ÷ +55°C
Enclosure protection rating:	IP20
Protection class:	III
Dimensions:	70 x 70 x 70 mm
Weight:	0,098 kg

* Applicable to all devices paired with the controller (transmitters / receivers / sensors).