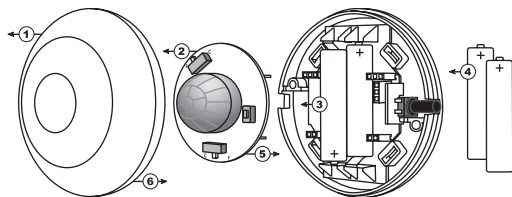


BATTERY CHANGE

Battery discharge status is signalled by several LED red diode flashes during transmission time.

1. Remove the upper cover of the transmitter.
2. Remove the upper printed-circuit board.
3. Remove the batteries.
4. Mount new batteries.



Watch battery polarisation marked on the latch. Wrong battery mounting may cause device damage.

5. Mount the upper printed-circuit board inserting the pins into the connectors.
6. Mount the upper cover's latches into the latches of the base.

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.

RADIO MOTION SENSOR

RCR-01

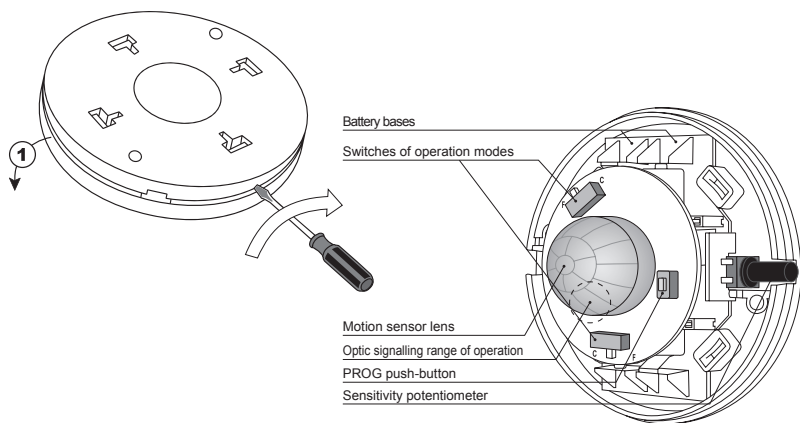
TECHNICAL DATA

Input rated voltage:	3 V DC
Battery type:	2 x AAA / R03
Battery life:	1 year (depending on use)
Liczba kanałów:	1
Twilight sensor adjustment range:	2 ÷ 20 lx
Transmission:	radio 868,32 MHz
Coding way:	unidirectional
Coding:	addressing transmission
Range:	up to 200 m in the open area
Optic signalling of transmitter's operation:	LED red diode
Ambient temperature range:	-10 ÷ +55 °C
Operating position:	free
Casing mounting:	wall plugs, double-sided adhesive tape
Casing protection degree:	IP20 (EN 60529)
Protection level:	III
Pollution degree:	2
Dimensions:	Ø70 x 40 mm
Weight:	0,070 kg
Reference standard:	ETSI EN 300 220-1, ETSI EN 300 220-2

OPERATION

The device can operate in two modes: 1. Motion sensor, 2. Motion sensor with twilight switch. Operation modes are adjusted by means of two switches which are under the top cover of the sensor. Mode 1 - adjust the switch to „C” position, Mode 2 - adjust the switch to „F” position. **It is important to adjust the switches in the same position, otherwise they operate incorrectly.** In the operation mode with a twilight sensor adjust luminous density by means of a potentiometer. Potentiometer adjustment to „☀” sign means operation adjustment during daylight - about 20 lx, and potentiometer adjustment to „☾” sign means operation adjustment during night - about 2 lx. Radio transmission range (up to 200 m - depending on a receiver) can be increased by means of a retransmitter or few RTN-01 retransmitters.

MOUNTING



The sensor can be mounted in any place by means of double-sided adhesive tape or wall plugs 5x(3x30) mm.

Mounting by means of wall plugs:

- 1 Remove the upper cover - to do it put a screwdriver into a slot between the cover and the base and switch it lifting up the cover at the same time.
- 2 Choose a place on the wall to mount the RCR-01 device, make two holes corresponding mounting holes from the transmitter's base.
- 3 Set wall plugs in the holes.
- 4 Fix the base by means of tightening screws into wall plugs.
- 5 Place the upper cover's latches into the latches of the base.

CAUTION: The device has factory mounted batteries secured with special separator. Before the first device use remove the separator.

PROGRAMMING OF RECEIVERS

Mode 1. **Motion sensor** (operation modes' switches in C-C position)

In this mode the receiver should be programmed to operate in time mode; time should be adjusted to 15 seconds. When there is a movement within detection area the device sends a signal to the receiver every 10 seconds. After a signal has been sent, adjusted time t is counted again.

CAUTION: After each pressing of a push-button in a sensor, there are 10 seconds to start the next programming step. After 10 seconds LED diode switches off in the sensor and RCR-01 device starts usual operation (programming procedure must be started again).

- 1 Press PROG push-button of RCR-01, next release the push-button. LED red diode switches on under the lens (constant signal).
- 2 Press PROG push-button to adjust the receiver to programming mode. LED red diode in the receiver switches on (constant signal).
- 3 Press PROG push-button of RCR-01 device and then release it. LED red diode in the receiver switches on (first signal pulsates, next the signal is constant).
- 4 Press PROG push-button of RCR-01 device and then release it. LED red diode in the receiver switches on (signal pulsates), and then switches off - THE SENSOR IS ADDED. Wait until LED diode in RCR-01 device switches off.

Mode 2. **Motion sensor with twilight switch** (operation modes' switches in F-F position).

In this mode the receiver should be programmed to operate in monostable mode. When there is a movement within detection area the sensor sends a switch on signal to the receiver.

The sensor sends a switch off signal after 20 seconds from the moment of no movement in the detection area.

- 1 Press PROG push-button of RCR-01 device, next release the push-button. LED red diode switches on under the lens (constant signal).
- 2 Press PROG push-button of RCR-01 device again for a longer time.
- 3 Press PROG pushbutton to adjust the receiver to the programming mode. LED red diode in the receiver switches on (constant signal).
- 4 Release PROG pushbutton of RCR-01 device. LED red diode in the receiver switches on (first signal pulsates, next the signal is constant).
- 5 Press PROG push-button of RCR-01 device and then release it. LED red diode in the receiver switches on (signal pulsates), and then switches off - THE SENSOR IS ADDED. Wait until LED diode in RCR-01 device switches off.

An exemplary programming procedure with the use of RWL-01 receiver. The procedure for the rest of radio EXTA FREE transmitters is analogous.