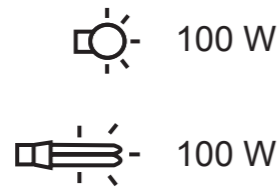


MOUNTING

1. Disconnect power supply by the phase fuse, the circuit-breaker 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. Screw RWL-01 device into electric light fitting.
4. Screw light source into RWL-01 socket.
5. Switch on the power supply from the mains.

CAPACITY

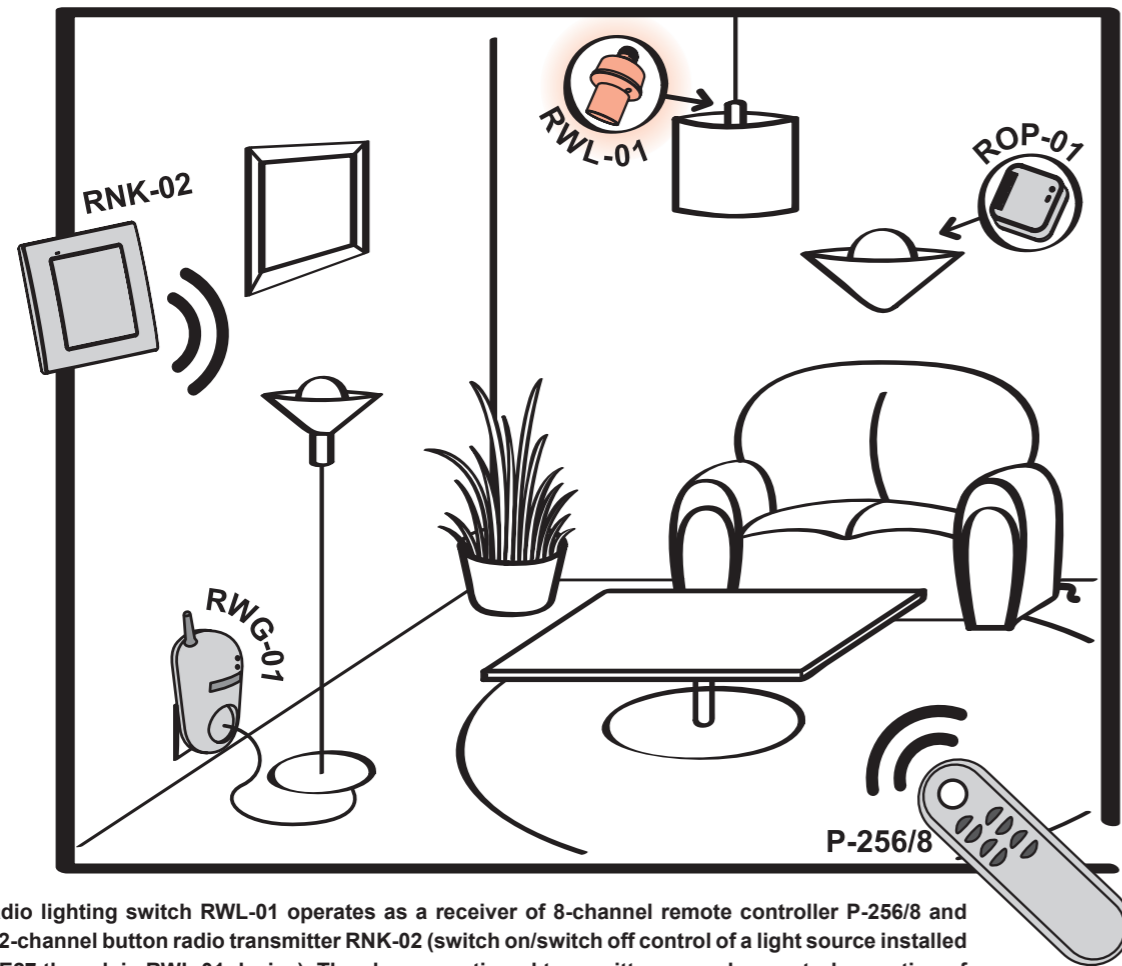


CAPACITY



The ZAMEL company devices which are characterised with this sign can cooperate with each other.

APPLICATION



Radio lighting switch RWL-01 operates as a receiver of 8-channel remote controller P-256/8 and of 2-channel button radio transmitter RNK-02 (switch on/switch off control of a light source installed in E27 thread in RWL-01 device). The above mentioned transmitters can also control operation of 1-channel flush receiver ROP-01 and of remote control socket RWG-01.

WARRANTY CARD

There is 24 months guarantee on the product

1. ZAMEL provides a two-year warranty for its products.
2. The ZAMEL warranty does not cover: a) mechanical defects resulting from transport, loading / unloading or other circumstances b) defects resulting from incorrect installation or operation of ZAMEL products; c) defects resulting from any changes made by CUSTOMERS or third parties, to products sold or equipment necessary for the correct operation of products sold; d) defects resulting from force majeure or other aleatory events for which ZAMEL is not liable; e) power supply (batteries) to be equipped with a device in the moment of sale (if they appear);
3. All complaints in relation to the warranty must be provided by the CUSTOMER in writing to the retailer after discovering a defect.;
4. ZAMEL will review complaints in accordance with existing regulations.;
5. The way a complaint is settled, e.g. replacement of the product, repair or refund, is left to the discretion of ZAMEL.
6. Guarantee does not exclude, does not limit, nor does it suspend the rights of the PURCHASER resulting from the discrepancy between the goods and the contract.

Salesman stamp and signature, date of sale

RADIO LIGHTING SWITCH RWL-01

MANUAL INSTRUCTION



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DESCRIPTION

Radio lighting switch RWL-01 enables adaptation of any electric-light fitting with maximum 100W light source (E27 thread) to wireless control in the range of EXTA FREE system. By placing RWL-01 in electric-light fittings without the help of any additional tools, it is possible to control fittings by means of radio transmitters. The switch can be used with low current consumption devices, e.g. energy-saving lighting as it uses only 0,29W.

FEATURES

- cooperation with wireless EXTA FREE control system transmitters,
- light source radio control directly in electric-light fitting,
- light source: maximum 100W (light bulbs, compact fluorescent lamps),
- 5 operation modes: switching on, switching off, monostable mode, bistable mode,
- time mode (switch off delay),
- wide operation range (up to 200 m),
- operation is optically signalled,
- possibility of increasing operation range by means of RTN-01 retransmitter.



The device is designed for single-phase installation and must be installed in accordance with standards valid in a particular country. The device should be connected according to the details included in this operating manual. Installation, connection and control should be carried out by a qualified electrician staff, who act in accordance with the service manual and the device functions. Disassembling of the device is equal with a loss of guarantee and can cause electric shock. Before installation make sure the connection cables are not under voltage. The cruciform head screw-driver 3,5 mm should be used to instal the device. Improper transport, storage, and use of the device influence its wrong functioning. It is not advisable to instal the device in the following cases: if any device part is missing or the device is damaged or deformed. In case of improper functioning of the device contact the producer.

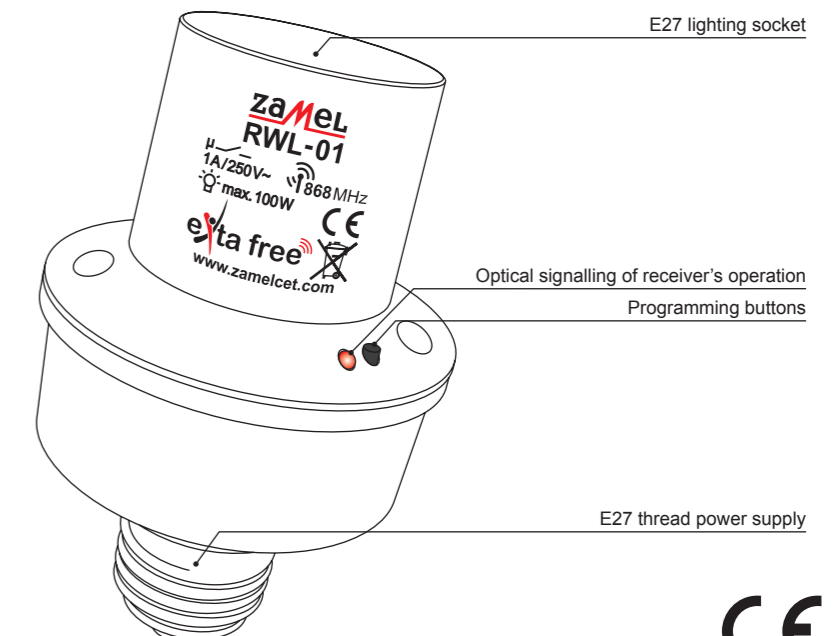


The symbol means selective collecting of electrical and electronic equipment. It is forbidden to put the used equipment together with other waste.

TECHNICAL DATA

RWL-01	
Input rated voltage:	230 V AC
Input voltage tolerance:	-15 + +10 %
Nominal frequency:	50 / 60 Hz
Nominal power consumption:	0,29 W
Number of operation modes:	5
Number of channels:	1
Transmission:	radio 868,32 MHz
Transmission way:	unidirectional
Coding:	addressing transmission
Maximum number of transmitters:	32
Range:	up to 200 m in the open air
Time adjustment:	1 second + 18 hours (every 1 sec.)
Optical signalling of transmitter's operation:	LED red diode
Maximum light source:	100 W
Ambient temperature range:	-10 + +55 °C
Operating position:	free
Casing mounting:	electric-light fitting
Casing protection degree:	IP20 (PN-EN 60529)
Protection level:	II
Overvoltage category:	II
Pollution degree:	2
Surge voltage:	1 kV (PN-EN 61000-4-5)
Dimensions:	Ø 62,5 x 103 mm
Weight:	0,099 kg
Reference standard:	PN-EN 60669, PN-EN 60950, PN-EN 61000

APPEARANCE



OPERATION

The device can operate in five modes:

<p>ON MONOSTABLE the relay operates only while pressing transmitter's push-button.</p>	<p>ON/OFF BISTABLE (one push-button) the device changes relay status cyclically always after pressing the same push-button.</p>	<p>ON SWITCH ON the device switches on after pressing the push-button.</p> <p>OFF SWITCH OFF the device switches off after pressing the push-button.</p>	<p>ON TIME the device switches on according to the adjusted time (tp), but it may be switched off before adjusted time finishes. Default settings - 15 seconds.</p> <p>CAUTION! Adjusted time can not be deleted.</p>
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RADIO TRANSMITTERS PROGRAMMING

MONOSTABLE mode:

- Press transmitter's push-button for a longer time.
- Press PROG push-button of RWL-01 device for a longer time until LED red diode switches on (constant signal). Next release PROG push-button.
- Release transmitter's push-button. LED red diode switches on (first signal pulsates, next the signal is constant).
- Press the same transmitter's push-button and release it. LED red diode switches on (the signal pulsates) and next the signal switches off - THE TRANSMITTER IS ADDED.

BISTABLE mode:

- Press PROG push-button of RWL-01 device for a longer time until LED red diode switches on (constant signal). Next release PROG push-button.
- Press the transmitter's push-button for a longer time. LED red diode switches on (first signal pulsates, next the signal is constant).
- Release transmitter's push-button. LED red diode switches on (the signal pulsates), next the LED red diode switches off - it means the TRANSMITTER IS ADDED.

SWITCH ON/SWITCH OFF mode (two push-buttons):

- Press PROG push-button of RWL-01 device for a longer time until LED red diode switches on (constant signal). Next release PROG push-button.
- Press and release transmitter's push-button. LED red diode switches on (first signal pulsates, next the signal is constant).
- Press and release the second transmitter's push-button. LED red diode switches on (the signal pulsates) and next it switches off - THE TRANSMITTER IS ADDED.

TIME MODE (one push-button):

- Press PROG push-button of RWL-01 device for a longer time till LED red diode switches on (constant signal). Next release PROG push-button.
- Press and release transmitter's push-button. LED red diode switches on (the signal pulsates, next the signal is constant).
- Press and release the same transmitter's push-button. LED red diode switches on (the signal pulsates) and next it switches off - THE TRANSMITTER IS ADDED.

An exemplary programming procedure with the use of P-257/2 remote controller. The procedure for the rest of radio EXTA FREE transmitters is analogous.

CAUTION: Every transmitter can cooperate with RWL-01 in a different mode, depending on how they were added to the device. One transmitter can be added during one programming cycle. Full memory is signalled with pulsating LED red diode.

TIME PROGRAMMING

- Press PROG push-button of RWL-01 device for a longer time till LED red diode switches on (constant signal). Next release PROG push-button. Wait (for about 5 seconds) till LED red diode switches on (first signal pulsates, next the signal is constant).
- Press PROG push-button of RWL-01 device and then release it. LED red diode switches off and then switches on (signal pulsates). Every LED diode pulse equals 1 second.
- After the adjusted time is finished (the number of LED red diode flashes) press PROG push-button and then release it - TIME IS ADDED.

Maximum time is 18 hours for every channel.

RADIO TRANSMITTERS DELETION

- Press PROG push-button of RWL-01 device for a longer time.
- After 5 seconds LED red diode switches on (signal pulsates) and then it switches off.
- Release the push-button in RWL-01 - MEMORY IS DELETED

COOPERATION AND OPERATION 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 blinds 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.

TRANSMITTERS			RECEIVERS		
RNK-02 2-channel button radio transmitter		RNL-01 Radio foot transmitter		ROP-01 1-channel radio receiver	 RWL-01 Radio lighting switch
RNK-04 4-channel button radio transmitter		RTI-01 IR/EXTA FREE transceiver		ROP-02 2-channel radio receiver	 RWG-01 Remote control socket
P-256/8 8-channel remote controller		RNM-10 4-channel radio modular transmitter		RDP-01 1-channel radio dimmer	 SRP-02 Radio roller blinds controller
P-257/4 4-channel remote controller		RNP-01 4-channel radio transmitter		ROB-01/12-24V Radio gate controller	 SRP-03 Central radio roller blinds controller
P-257/2 2-channel remote controller		RNP-02 4-channel radio transmitter		ROM-01 1-channel radio modular receiver	 ROM-10 2-channel radio modular receiver
RCR-01 Radio motion sensor		RXM-01 Translator RS-485/EXTA FREE			
ACCESSORIES					
			ANT-01 External antenna		RTN-01 Retransmitter