

## P-257/2 OPERATION

After pressing the push-button the remote control sends a signal on 868,32 MHz which controls EXTA FREE receivers. **Device programming procedure (adding a transmitter to the transmitter's memory) is described in manual instruction of particular EXTA FREE system receivers.** The range (up to 250 m depending on a receiver) can be changed by means of a retransmitter or few RTN-01 retransmitters.


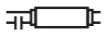


### BATTERY CHANGE

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

1. Remove the screws from the bottom part of the remote control.
2. Remove the upper cover with the silicon keyboard.
3. Remove the battery from the latch.
4. Mount a new battery. **Watch battery polarisation marked on the latch. Wrong battery mounting may cause device damage.**
5. Place back the top cover with the keyboard and tighten the screws.

**CAUTION: While changing the battery, it is suggested to press any of the buttons for about 5 seconds before putting it into a latch. Next press transmission button several times to check its operation. If the transmitter does not work properly repeat the battery change procedure.**

## CAPACITY

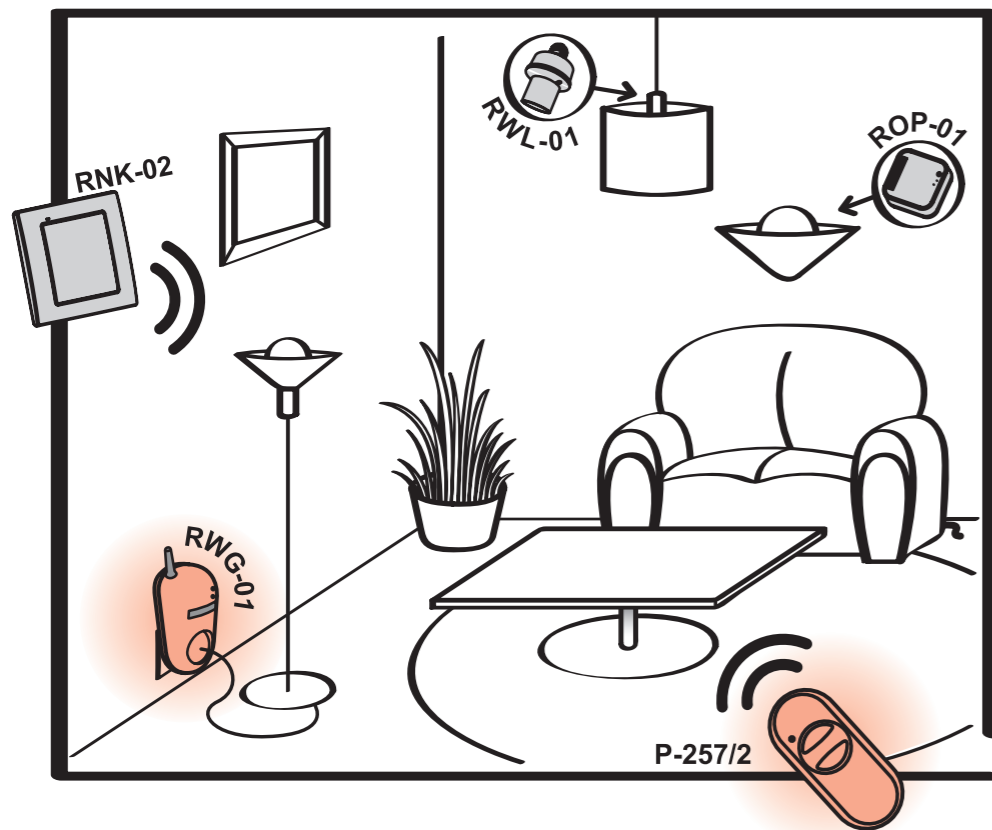
-  2000 W AC5b
-  1000 W AC5a
-  750 W AC5a
-  500 W AC5a

## SERIA F



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

## APPLICATION



P-257/2 2-channel remote control operates as a transmitter of remote control socket RWG-01 and of radio receiver ROP-01. RNK-02 radio button transmitter and RWL-01 radio lighting switch are also devices of EXTA FREE system.

## 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

# RWG-01/K REMOTE CONTROL SOCKET WITH P-257/2 REMOTE CONTROLER MANUAL INSTRUCTION



ZAMEL Sp. z o.o.



ul. Zielona 27, 43-200 Pszczyna, Poland  
tel. +48 (32) 210 46 65, fax +48 (32) 210 80 04  
[www.zamelcet.com](http://www.zamelcet.com), e-mail: [marketing@zamel.pl](mailto:marketing@zamel.pl)

## DESCRIPTION

Remote control socket RWG-01 is used to connect any 230 V AC receiver of 4000 VA and to wireless control by means of different EXTA FREE system transmitters. The device can be mounted without any additional tools or interference in existing wiring - it is directly mounted to 230 V AC socket.

## FEATURES

- cooperation with wireless EXTA FREE system transmitters (it is obligatory to purchase it separately),
- P-257/2 remote control included,
- lighting, heating control and other receivers control,
- easy mounting in 230V AC socket,
- five operation modes: switching on mode, switching off, monostable, bistable, time (switch off delay),
- wide range of operation (up to 250 m),
- radio transmission and relay status are optically signalled,
- low current consumption, possibility of constant work
- possibility of widening operation range by means of RTN-01 retransmitter.



**CAUTION!**

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.

In case of casing dismantling an electric shock may occur, and the guarantee is lost then. Before installation make sure the connection cables are not under voltage. The cruciform head screwdriver 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.

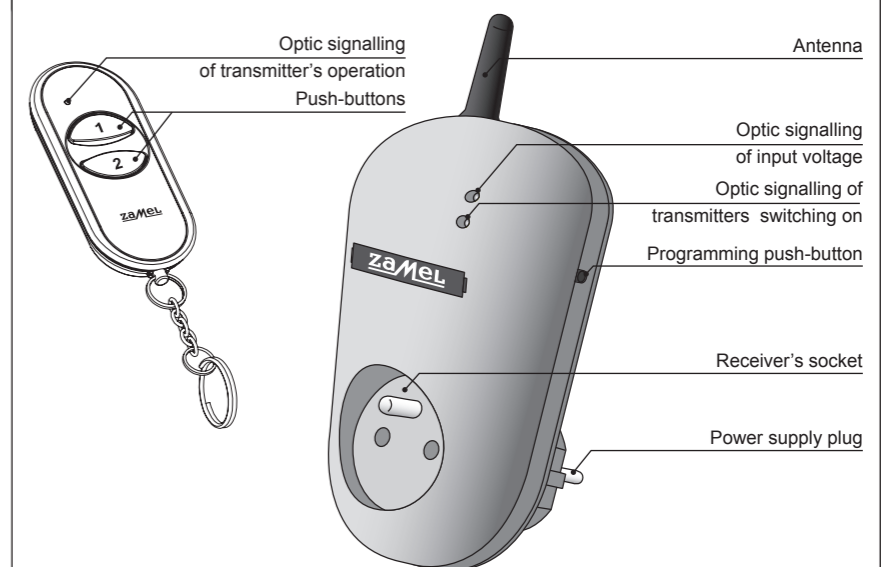


The symbol means selective collecting of electrical and electronic equipment.  
It is forbidden to put the used equipment together with other waste.

## TECHNICAL DATA

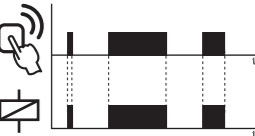
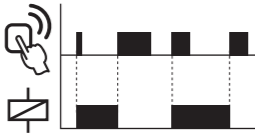
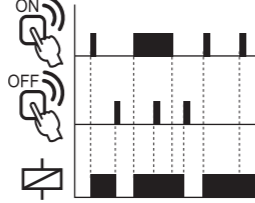
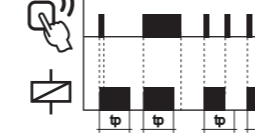
|                                       | P-257/2                                | RWG-01                         |
|---------------------------------------|--|--------------------------------|
| Input rated voltage:                  | 3 V (battery CR2032)                   | 230 V~                         |
| Battery life:                         | 3 + 5 years                            | -                              |
| Input voltage tolerance:              | -                                      | -15 + +10 %                    |
| Nominal frequency:                    | -                                      | 50 / 60 Hz                     |
| Nominal power consumption:            | -                                      | 0,29 W                         |
| Optic signalling of power supply:     | -                                      | LED green diode                |
| Number of operation modes:            | -                                      | 5                              |
| Number of channels:                   | 2                                      | 1                              |
| Transmission:                         | radio 868,32 MHz                       |                                |
| Coding way:                           | unidirectional                         |                                |
| Coding:                               | addressing transmission                |                                |
| Maximum number of transmitters:       | -                                      | 32                             |
| Range:                                | up to 250 m in the open area           | up to 300 m in the open area   |
| Time adjustment:                      | -                                      | 1 sec. + 18 hours (every sec.) |
| Optic signalling of device operation: | LED red diode                          |                                |
| Relay contact parameters:             | -                                      | 1NO 16A / 250V~ AC1 4000 VA    |
| Ambient temperature range:            | -10 + +55 °C                           |                                |
| Operating position:                   | free                                   |                                |
| Casing mounting:                      | -                                      | 230 V~ socket                  |
| Casing protection degree:             | IP20 (EN 60529)                        |                                |
| Protection level:                     | III                                    | II                             |
| Overvoltage category:                 | -                                      | II                             |
| Pollution degree:                     | 2                                      |                                |
| Surge voltage:                        | -                                      | 1 kV (EN 61000-4-5)            |
| Dimensions:                           | 74 x 33 x 11,5 mm                      | 160 x 66 x 90 mm               |
| Weight:                               | 0,020 kg                               | 0,160 kg                       |
| Reference standard:                   | ETSI EN 300 220-1<br>ETSI EN 300 220-2 | EN 60669, EN 60950<br>EN 61000 |

## APPEARANCE




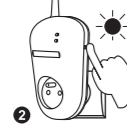
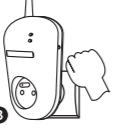
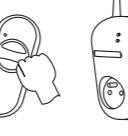
## OPERATION

The device can operate in five modes:



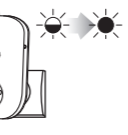
|  |   |  |   |
|--|---|--|---|
| <p><b>ON</b> <b>MONOSTABLE</b><br/>the relay operates only while pressing transmitter's push-button.</p>  | <p><b>ON/OFF</b> <b>BISTABLE</b><br/>(one push-button) the device changes relay status cyclically always after pressing the same push-button.</p>  | <p><b>ON</b> <b>SWITCH ON</b><br/>the device switches on after pressing the push-button.</p> <p><b>OFF</b> <b>SWITCH OFF</b><br/>the device switches off after pressing the push-button.</p>  | <p><b>ON</b> <b>TIME</b><br/>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><b>CAUTION! Adjusted time cannot be deleted.</b></p>  |
|--|---|--|---|

## RADIO TRANSMITTERS' PROGRAMMING



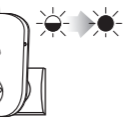
**MONOSTABLE mode:**

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



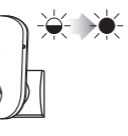
**BISTABLE mode:**

|  |   |   |
|--|---|---|
|   |    |    |
| <p>Press PROG push-button of RWG-01 device for a longer time until LED red diode switches on (constant signal). Next release PROG push-button.</p> | <p>Press the transmitter's push-button for a longer time. LED red diode switches on (first signal pulsates, next the signal is constant).</p> | <p>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.</p> |

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




|  |   |   |
|--|---|---|
|   |    |    |
| <p>Press PROG push-button of RWG-01 device for a longer time until LED red diode switches on (constant signal). Next release PROG push-button.</p> | <p>Press and release transmitter's first push-button. LED red diode switches on (first signal pulsates, next the signal is constant).</p> | <p>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.</p> |

**TIME mode (one push-button):**

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




An exemplary programming procedure with the use of P-257/2 remote control. The procedure for the rest of radio EXTA FREE transmitters is analogous. **CAUTION: Every transmitter can cooperate with RWG-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

|   |   |  |
|---|---|--|
|    |    |   |
| <p>Press PROG push-button of RWG-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).</p> | <p>Press PROG push-button of RWG-01 device and then release it. LED red diode switches off and then switches on (signal pulsates). Every LED diode pulse equals 1 second.</p> | <p>After the adjusted time is finished (the number of LED red diode flashes) press PROG push-button and then release it - TIME IS ADDED.</p> |

Maximum time is 18 hours.

## RADIO TRANSMITTERS DELETION





















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

## 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 |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>RNK-02</b>      | 180 m  | 200 m  | 200 m  | 200 m  | 200 m  | 250 m  | 180 m  | 250 m  | 250 m  | 180 m  | 250 m  |
| <b>RNK-04</b>      | 180 m  | 200 m  | 200 m  | 200 m  | 200 m  | 250 m  | 180 m  | 250 m  | 250 m  | 180 m  | 250 m  |
| <b>P-256/8</b>     | 230 m  | 250 m  | 250 m  | 250 m  | 250 m  | 300 m  | 200 m  | 300 m  | 300 m  | 230 m  | 300 m  |
| <b>P-257/4 (2)</b> | 180 m  | 200 m  | 200 m  | 200 m  | 200 m  | 250 m  | 180 m  | 250 m  | 250 m  | 180 m  | 250 m  |
| <b>RNM-10</b>      | 230 m  | 250 m  | 250 m  | 250 m  | 250 m  | 300 m  | 200 m  | 300 m  | 300 m  | 230 m  | 300 m  |
| <b>RNP-01</b>      | 160 m  | 180 m  | 180 m  | 180 m  | 180 m  | 200 m  | 160 m  | 200 m  | 200 m  | 160 m  | 200 m  |
| <b>RNP-02</b>      | 160 m  | 180 m  | 180 m  | 180 m  | 180 m  | 200 m  | 160 m  | 200 m  | 200 m  | 160 m  | 200 m  |
| <b>RNL-01</b>      | 160 m  | 180 m  | 180 m  | lack*  | lack*  | 200 m  | 160 m  | 200 m  | 200 m  | 160 m  | 200 m  |
| <b>RTN-01</b>      | 200 m  | 200 m  | 200 m  | 200 m  | 200 m  | 250 m  | 200 m  | 250 m  | 250 m  | 200 m  | 250 m  |
| <b>RCR-01</b>      | 160 m  | 180 m  | 180 m  | lack*  | lack*  | 200 m  | 160 m  | 200 m  | 200 m  | 160 m  | 200 m  |
| <b>RTI-01</b>      | 160 m  | 180 m  | 180 m  | 180 m  | 180 m  | 200 m  | 160 m  | 200 m  | 200 m  | 160 m  | 200 m  |
| <b>RXM-01</b>      | 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.

| TRANSMITTERS  |   |  | RECEIVERS   |   |   |
|---|---|--|---|---|---|
| <b>RNK-02</b><br>2-channel button radio transmitter |  | <b>RNL-01</b><br>Radio foot transmitter              |  | <b>ROP-01</b><br>1-channel radio receiver         |  |
| <b>RNK-04</b><br>4-channel button radio transmitter |  | <b>RTI-01</b><br>IR/EXTA FREE transceiver            |  | <b>ROP-02</b><br>2-channel radio receiver         |  |
| <b>P-256/8</b><br>8-channel remote control          |  | <b>RNM-10</b><br>4-channel radio modular transmitter |  | <b>RDP-01</b><br>1-channel radio dimmer           |  |
| <b>P-257/4</b><br>4-channel remote control          |  | <b>RNP-01</b><br>4-channel radio transmitter         |  | <b>ROB-01/12-24V</b><br>Radio gate controller     |  |
| <b>P-257/2</b><br>2-channel remote control          |  | <b>RNP-02</b><br>4-channel radio transmitter         |  | <b>ROM-01</b><br>1-channel radio modular receiver |  |
| <b>RCR-01</b><br>Radio motion sensor                |  | <b>RXM-01</b><br>RS-485/EXTA FREE Transceiver        |  | <b>ROM-10</b><br>2-channel radio modular receiver |  |
| <b>ACCESSORIES</b>                                  |   |  |   |   |   |
| <b>ANT-01</b><br>External antenna                   |  | <b>RTN-01</b><br>Retransmitter                       |  |   |   |

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Power Management IC Development Tools](#) category:*

*Click to view products by [Zamel](#) manufacturer:*

Other Similar products are found below :

[EVAL6482H-DISC](#) [EVAL-AD5522EBUZ](#) [EVAL-ADM1060EBZ](#) [EVAL-ADM1073MEBZ](#) [EVAL-ADM1166TQEBZ](#) [EVAL-ADM1168LQEBZ](#) [EVAL-ADM1171EBZ](#) [EVAL-ADM1276EBZ](#) [EVB-EN5319QI](#) [EVB-EN5365QI](#) [EVB-EN6347QI](#) [EVB-EP5348UI](#) [MIC23158YML EV](#) [MIC23451-AAAYFL EV](#) [MIC5281YMME EV](#) [124352-HMC860LP3E](#) [ADM00513](#) [ADM8611-EVALZ](#) [ADM8612-EVALZ](#) [ADM8613-EVALZ](#) [ADM8615-EVALZ](#) [ADP1046ADC1-EVALZ](#) [ADP1055-EVALZ](#) [ADP122-3.3-EVALZ](#) [ADP130-0.8-EVALZ](#) [ADP130-1.2-EVALZ](#) [ADP130-1.5-EVALZ](#) [ADP130-1.8-EVALZ](#) [ADP160UJZ-REDYKIT](#) [ADP166UJ-EVALZ](#) [ADP1712-3.3-EVALZ](#) [ADP1714-3.3-EVALZ](#) [ADP1715-3.3-EVALZ](#) [ADP1716-2.5-EVALZ](#) [ADP1740-1.5-EVALZ](#) [ADP1752-1.5-EVALZ](#) [ADP1754-1.5-EVALZ](#) [ADP1828LC-EVALZ](#) [ADP1870-0.3-EVALZ](#) [ADP1871-0.6-EVALZ](#) [ADP1873-0.6-EVALZ](#) [ADP1874-0.3-EVALZ](#) [ADP1876-EVALZ](#) [ADP1879-1.0-EVALZ](#) [ADP1882-1.0-EVALZ](#) [ADP1883-0.6-EVALZ](#) [ADP197CB-EVALZ](#) [ADP199CB-EVALZ](#) [ADP2102-1.25-EVALZ](#) [ADP2102-1.2-EVALZ](#)