

## ZWMR230



*Dear Sir/Madam! Thank you for purchasing the product from FAKRO. We do hope that it will meet your expectations. To ensure appropriate functioning of the product, please peruse this User Manual.*

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## MODULE DESCRIPTION

The ZWMR230 module is designed to operate devices with a maximum power of 1kW. Devices can be controlled by means of the Z-Wave controller or a wall switch. Permissible current on process contacts is 5A 230V AC. An example of the controlled device can be the roller shutter 230V.



**CONTROLLER** – Z-Wave device such as remote control, module, wall switch, Internet gateway.

## TECHNICAL SPECIFICATION

**Power supply:**

110-230V AC

**Maximum load:**

5A, 230V AC

**Dimensions:**

46x44x20mm

**Working temperature:**

0-40°C

**Radio protocol:**

Z-Wave

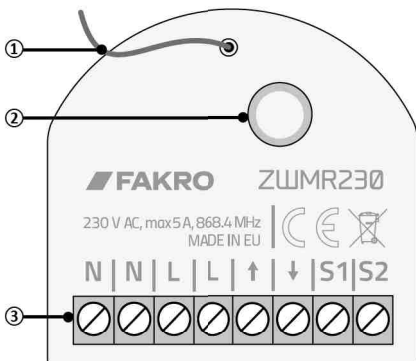
**Radio reach:**

Up to 20m in building

**Radio frequency:**

EU - 868,4 MHz

## ZWMR230 MODULE STRUCTURE



① - Antenna

② - Programming button

③ - Connection terminal

**N** - Power supply: 110-230V AC

**L** - Power supply: 110-230V AC

↑ - Output clamp UP

↓ - Output clamp DOWN

**S1** - Control button UP

**S2** - Control button DOWN

## IMPORTANT INFORMATION

- Please read carefully instructions before proceeding to the device operation.
- The device must be installed out of children reach.
- Radio range is directly dependent on the environment
- When programming the ZWMR230 module to another Z-Wave device please read carefully its instructions.

## EU DECLARATION OF CONFORMITY

FAKRO PP Sp. z o.o. hereby declares that the type ZWMR230 radio device complies with the Directive 2014/53/UE.

The full text of the EU Declaration of Conformity can be found at:

<http://www.fakro.pl/architekci/certyfikaty-i-deklaracje/>

## COMPLIANCE WITH THE WEEE DIRECTIVE

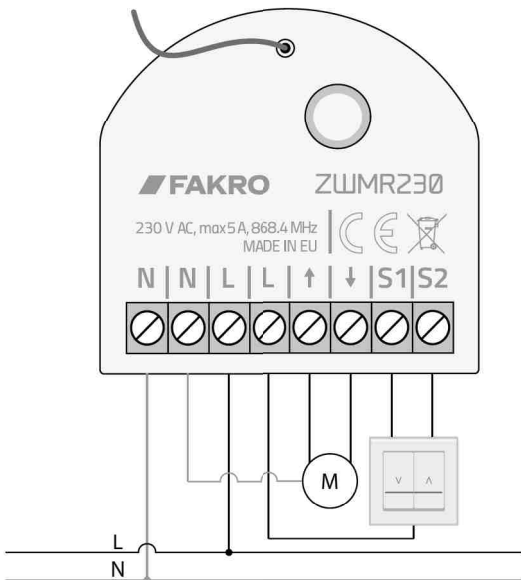
Devices marked with this symbol must not be disposed of or thrown away as household waste. It is the user's responsibility to deliver devices that are worn out to the designated recycling area.



## MODULE INSTALLATION

The ZWMR230 module enables wired control by means of the blind switch. Cables connecting the ZWMR230 module with the button should have a minimum cross-section of 0.75mm<sup>2</sup>.

The ZWMR230 module should be fitted in such a place that the range from the Z-Wave controller can be used.



## OPERATION

The ZWMR230 module can be controlled by means of any Z-Wave controller or the blind switch.

### Z-WAVE CONTROLLER

**i** LONG press of the control button (longer than 0.5 sec.) causes the action until releasing the button.

**i** SHORT press of the control button (shorter than 0.5 sec.) causes the action to reach end position.

Press of STOP button stops the action.

### WALL SWITCH

**i** Press of the control button causes the action to reach end position.

Press of the control button in the opposite direction stops the action.

## PROGRAMMING

For programming information refer to the user manual of the Z-Wave controller which is to control a device.

ADD TO Z-WAVE NETWORK  
ADD TO GROUP  
REMOVE DEVICE FROM Z-WAVE NETWORK  
REMOVE DEVICE FROM GROUP  
etc.

Run selected function on the Z-Wave PRIMARY controller.



Press the programming button on the ZWMR230 controller in time specified by the controller.



- Module is assigned to the Z-Wave network - programming LED is off.
- Module is not assigned to the Z-Wave network - programming LED is on.

## MODULE PARAMETERS SETTINGS

The ZWMR230 module has variable operating parameters that can be modified using advanced controllers. Please check the controller's manual whether the function is available.

### CONFIGURATION OF ZWMR230 MODULE PARAMETERS

PARAMETER NUMBER  
< X >  
PARAMETER VALUE  
< X >

- Select ZWMR230 module from the list of devices
- Enter the parameter configuration mode
- Select the parameter and its value
- Accept your choice

Operation parameters [default values in square bracket].

### PARAMETER NUMBER

PARAMETER		PARAMETER VALUE
Current detection	1	[1] - Detection on 2 - Detection off
Calibration type	12	[1] - Calibration 2 - Out of calibration
Previous position	13	[1] - Maximum position 2 - Last saved position

## MODULE PARAMETERS RESET

This function allows to restore default parameters of the ZWMR230 module.



Press the programming button 3 times at intervals of 0.5 sec.

## MODULE RESET

This function allows to remove the ZWMR230 module from the Z-Wave network and restore default parameters of the module.



Press the programming button 5 times at intervals of 0.5 sec.

## PROBLEMS

### CAUSE

### SOLUTION

#### 1. ZWMR230 module can not be programmed.

The ZWMR230 module is assigned to other Z-Wave network (the programming button is not illuminated).

Remove the ZWMR230 module from the Z-Wave network or perform MODULE RESET procedure (page 5).

Too long waiting time for pressing the programming button.

Check the available time for pressing the programming button in the user manual of the controller concerned.

#### 2. Control problems

No power supply.

Check whether the device that you want to control is correctly connected to the power source.

Too long distance between devices. Possible obstacles that limit reach.

Try to control the device from a different location.

The shutter operates in the incorrect direction.

Replace wires in ↑ and ↓ clamps.

## WARRANTY

The manufacturer guarantees correct device functioning. It also undertakes to repair or replace faulty device if damage is a result of material or structural faults. The warranty period is 24 months from the date of purchase, fulfilling the following conditions:

- Installation has been performed as per manufacturer recommendations.
- Seals remain intact and no authorised structural changes have been made.
- The device has been used in accordance with its intended use as per user manual.
- Damage is not a result of improperly made electrical system or atmospheric phenomena.
- The manufacturer is not liable for damage which occurred as a result of improper use or mechanical damage.

In case of failure, the device must be submitted for repair with a Warranty Card. Defects revealed within the warranty period will be removed free of charge no longer than 14 days after accepting the product for repair. Warranty and post-warranty repairs are performed by the manufacturer i.e. FAKRO PP. Sp. z o.o.

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[www.fakro.com](http://www.fakro.com)

Quality certificate:

Device

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Model

---

Serial number

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Seller

---

Address

---

Purchase date

---

Invoice No.

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Signature (stamp) of person installing a device



