

# ZWMP24



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The ZWMP weather module is designed to operate devices in the Z-Wave standard equipped with a sensor, eg. rain, wind or smoke. It can automatically close a window or roller shutter when it detects rainfall or when the set wind speed is exceeded, while it can open a window when smoke is detected. The module is equipped with two-way Z-Wave radio communication module with frequency depending on part of the world.

#### TECHNICAL SPECIFICATION

**Power supply:**

12-24V DC

**Power input:**

5W

**Maximum load:**

12V – 2.5A; 30W

24V – 1.25A; 30W

**Dimensions:**

46x44x20mm

**Working temperature:**

-10 to 40°C

**Radio protocol:**

Z-Wave

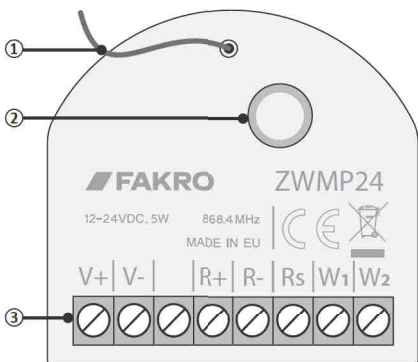
**Radio reach:**

up to 20 m in a building

**Radio frequency:**

EU - 868.4 MHz

#### ZWMP24 MODULE



- ① - Antenna
- ② - Programming button
- ③ - Connection terminal

**V+** - Power supply: 12-24V DC

**V-** - Power supply: 12-24V DC

**R+** - Rain, smoke sensor clamp - GREEN

**R-** - Rain, smoke sensor clamp - BROWN

**Rs** - Rain, smoke sensor clamp - WHITE

**W1** - Wind sensor clamp

**W2** - Wind sensor clamp

#### 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 ZWMP24 module to another Z-Wave device please read carefully its instructions.

#### DECLARATION OF CONFORMITY EU

FAKRO Sp. z o.o. hereby declares that a type of radio device ZWMP24 complies with the Directive 2014/53/EU.



The full text of the EU Declaration of Conformity can be found at: <https://www.fakro.com/ce-declarations/search/>

#### COMPLIANCE WITH THE WEEE DIRECTIVE

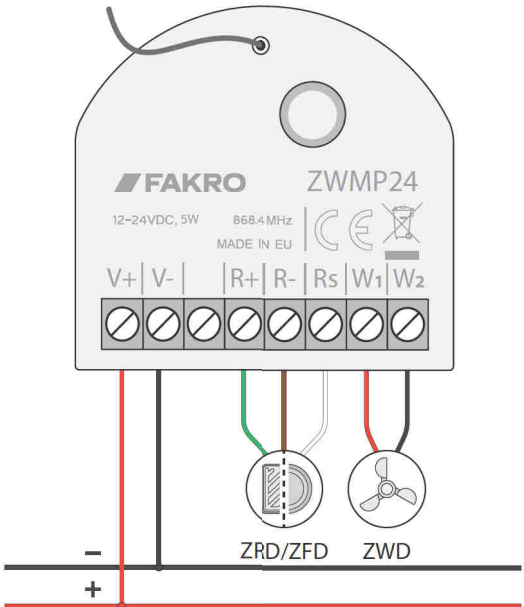


Devices marked with this symbol must not be disposed of or thrown away as household waste. It is the user's responsibility to deliver devices that are worn out to the designated recycling area.

## INSTALLATION

The ZWMP24 module must be installed within the range of the controlled device and the Z-Wave controller. The controller must have the option to change Z-Wave parameters, eg. ZRH12 remote control.

### CONNECTION DIAGRAM



## PROGRAMMING

In order to program the weather module to work with a device (actuator, roller shutter, Z-Wave awning blind), use a Z-Wave controller with the function of linking devices and the option to set parameters, eg. ZRH12, ZRS24.

In order to configure the ZWMP24 to work with the indicated device, it is required to:

1. Assign the ZWMP24 module to the Z-Wave network in which it is to operate. When configuring the device using the ZRH12 remote control, the weather module must be added to the selected remote control group (channel).
2. Add the device to be controlled by the ZWMP24 module to the appropriate association group of the weather module. For the ZRH12 remote control, the ASSIGN a ROUTE function is used. There are 4 groups to choose from. Two of them are responsible for closing and the other two for opening the device.

Please refer to the Z-Wave controller's manual for information on a particular feature.

### ASSIGN ZWMP MODULE TO Z-WAVE NETWORK

ADD TO NETWORK  
ADD TO GROUP  
REMOVE FROM NETWORK  
REMOVE FROM GROUP  
etc.

Run selected function on the Z-Wave controller.



Press the programming button on the ZWMP24 module in time specified by the controller.

- i** - The module is assigned to the Z-Wave network - programming LED is off.
- The module is not assigned to the Z-Wave network - programming LED is on.

**i** If the module is not assigned to the Z-Wave network, it can be entered into the Autoinclusion mode by resetting the power supply. The Autoinclusion mode is on for 10 minutes.

## ASSOCIATION GROUPS

1. Life Line – group for reporting the position of the device after each stop and receiving information about the alarm (overload). A maximum of 1 device can be in the group.
2. Wind closing – Closing all windows or other devices in the group after receiving a signal from the wind sensor. A maximum of 5 devices can be in the group.
3. Wind opening – Opening all windows or other devices in the group after receiving a signal from the wind sensor. A maximum of 5 devices can be in the group.
4. Rain closing – Closing all windows or other devices in the group after receiving a signal from the rain sensor. A maximum of 5 devices can be in the group.
5. Rain opening – Opening all windows or other devices in the group after receiving a signal from the rain sensor. A maximum of 5 devices can be in the group.

## PARAMETER SETTINGS

The ZWMP24 module has variable operating parameters that can be modified using advanced controllers, eg. ZRH12. Please check the controller's manual whether the function is available. To change a parameter in the weather module, make sure that the module is assigned to a given free group on the controller.

ZWMP24 MODULE PARAMETER CONFIGURATION		
	PARAMETER NUMBER	
<	X	>
	PARAMETER VALUE	
<	X	>

- Select the ZWMP24 module from the list of devices or select the appropriate group on the ZRH12 remote control:
- Enter the parameter configuration mode
- Select the parameter and its value
- Accept your choice

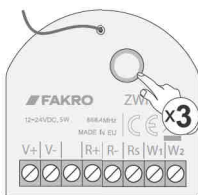
Operation parameters [default values in square bracket].

#### PARAMETER NO.

PARAMETER		PARAMETER VALUE
Wind sensor: Activation speed.	4	0 - Off [10] - 10m/s 120 - 120 m/s
Wind sensor: Reporting time.	5	0 - Of [5] - 5 min 120 - 120 min
Wind sensor: Strength report.	6	0 - Off [5] - 5 m/s 120 - 120 m/s

### PARAMETER RESET

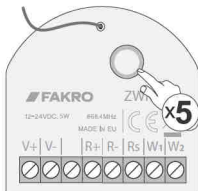
This function allows to restore default parameters of the ZWMP24 module.



Press the programming button 3 times at intervals of 0.5 sec.  
Correctly performed procedure – LED blinks 5 times.

### MODULE RESET

This function allows to remove the ZWMP24 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.  
Correctly performed procedure – LED is on.

# PROBLEMS

## CAUSE

## SOLUTION

### 1. ZWMP24 module can not be programmed.

The ZWMP24 module is assigned to other Z-Wave network (the programming button is not illuminated).

Remove the ZWMP24 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. Operation problems

No power supply.

Check whether the module or device that you want to control is properly connected to the power source

Too long distance between devices. Obstacles limiting reach possible.

Try to control the device from a different place. Place the module closer to the device.

# WARRANTY



PL

<https://www.fakro.pl/serwis/gwarancja/>



GB

<https://www.fakro.com/service/customer-service/>

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

## Warranty details:

Device

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Model

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Serial number

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Seller

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Address

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Purchase date

---

Invoice number

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Signature (stamp) of person installing a device

