

ZWMA1

Dear Sir/Madam! Thank you for purchasing FAKRO product. 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 ZWMA1 1-channel module is designed to control devices compatible with the Z-Wave standard by means of another control system. It allows to connect external devices, eg wall switch, thermostat, time switch. Control is carried out by shorting the contacts up/down to the live cable [L]. The module can support up to 231 devices that are assigned to one common group. The ZWMA1 module can act as PRIMARY and SECONDARY controller.



PRIMARY controller – used to operate devices. It can change network settings as well as add and remove devices. Only one PRIMARY controller can be in one Z-Wave network.



SECONDARY controller – used only to operate devices. Many SECONDARY controllers can be in one Z-Wave network.

TECHNICAL SPECIFICATION

Power supply:

110 - 230V AC

Operation range:

Up to 20 m in a building

Working temperature:

0 - 40°C

Dimensions:

46/44/20 mm

Radio protocol:

Z-Wave

Frequency:

EU – 868,4 MHz

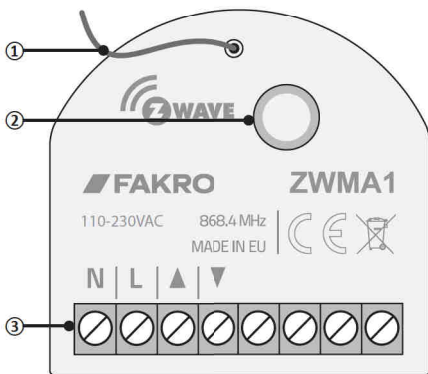
AS/NZ – 921,42 MHz

US/Canada – 908,4 MHz

RU – 869 MHz

(depending on version)

ZWMA1 MODULE STRUCTURE



① - Antenna

② - Programming button

③ - Connection terminal

N - Neutral cable clamp

L - Live cable clamp

▲ - Input terminal (up)

▼ - Input terminal (down)



Module is powered by hazardous voltage 110-230V AC

SAFETY RULES

- 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 ZWMA1 module to another Z-Wave device please read carefully its instructions.

EU DECLARATION OF CONFORMITY

FAKRO PP Sp. z o.o. hereby declares that a type of radio device ZWMA1 complies with Directive 2014/53/EU.

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

<http://www.fakro.com/ce-declarations/search/>

COMPLIANCE WITH THE WEEE DIRECTIVE

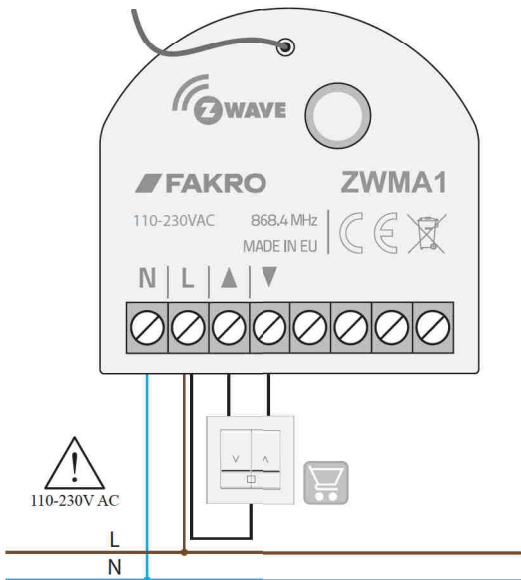
Devices marked with this symbol must not be disposed of or thrown away as household waste. It is the user's responsibility to deliver devices that are worn out to the designated recycling area.



MODULE INSTALLATION

The ZWMA1 module enables wired control by means of the blind switch. Cables connecting module with the button should have a minimum cross-section of 0.5mm².

The ZWMA1 module should be fitted in such a place that the range from the Z-Wave controller can be used.



CONTROL

CONTROL MODES

The module can operate devices in BASIC MODE (default) and EXTENDED MODE. Carrying out this procedure causes alternate change of CONTROL MODES.

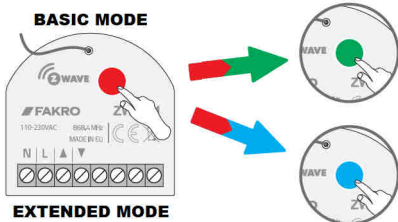
BASIC MODE / EXTENDED MODE

Hold PROGRAMMING button until LED turns red, and then changes colour to green or blue.

i

Pressing of the control button causes a continuous action.

SIMULTANEOUS pressing of the control buttons (1 sec.) stops the action.



i

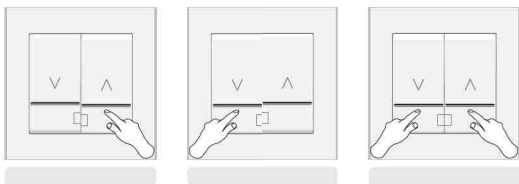
LONG pressing of the control button (longer than 0.5 sec) causes the action until the button is released.

i

SHORT pressing of the control button (shorter than 0.5 sec) causes a continuous action.

SIMULTANEOUS pressing of the control buttons (1 sec.) stops the action.

DEVICE CONTROL

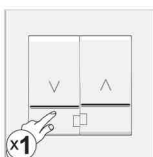


ADD DEVICE QUICK START

This function allows to add new devices and SECONDARY controllers to the Z-Wave network.



Press the button. After a while LED will turn green.



Press any control button.



LED will blink in green.

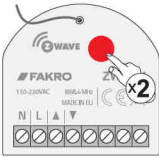
Within 60 sec. enter added device into programming mode*.

Control of the device is possible after 10 sec.

* Programming mode is carried out by pressing programming button on the device being added / reset. FAKRO products come with programming buttons marked with "P".

REMOVE DEVICE

Devices can be removed from the network using PRIMARY controllers.



Press twice the button. After a while LED will turn red.

Within 60 sec. enter removed device into programming mode*.

ZWMA1 AS SECONDARY

This function allows to add the ZWMA1 module to Z-Wave network as SECONDARY controller. SECONDARY controller in this network can be of any type. This function does not send any information about devices. Add devices do SECONDARY module (function ADD DEVICE TO SECONDARY MODULE – page 6).



Press the button three times. After a while LED will turn blue.

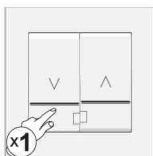
Within 60 sec. run ADD DEVICE function on SECONDARY controller. ZWMA1 module – page 5. Controller of other type – see its User Manual.

ADD DEVICE TO SECONDARY MODULE

Only those device can be added to SECONDARY module which have already been added to the same network.



Press the button.



Within 1 sec. press any control button.



LED will blink in green.



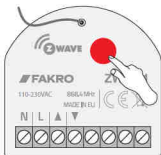
Within 60 sec. enter added device into programming mode*.

After adding new devices to the network which will be controlled by SECONDARY module, it is required to repeat the following procedures: ZWMA1 AS SECONDARY MODULE and ADD DEVICE TO SECONDARY MODULE.

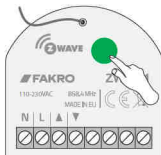
MODULE RESET

PRIMARY MODULE RESET – it removes all information in the module. Controlling devices again is possible after resetting all devices (function REMOVE DEVICE – page 5) and adding them again (function ADD DEVICE – page 4).

SECONDARY MODULE RESET – it removes all information in the module. Controlling devices again is possible after carrying out procedures: ZWMA1 AS SECONDARY MODULE – page 5 and ADD DEVICE TO SECONDARY MODULE – page 6.



Hold the button until LED turns red.



Hold the button until LED turns green.



Hold the button until LED turns blue.



Successful reset of the module will be signaled by another blink of all colours on LED.

PARAMETER RESET

Parameter being reset in the ZWMA1 module is control mode. Reset of this parameter restores control mode to basic mode.



Press five times the button.



Successful reset of the module parameters will be signaled by another, double blink of all colours on LED.

PROBLEMS

CAUSE	SOLUTION
1. Device cannot be added to Z-Wave network.	
Device is added to other Z-Wave network.	Use REMOVE DEVICE function (p. 5)
The controller is assigned to network as SECONDARY.	Only PRIMARY controller can add devices.
2. Device cannot be removed from Z-Wave network.	
The controller is assigned to network as SECONDARY.	Only PRIMARY controller can remove devices.
3. Control problems	
No power supply.	Check whether the device you want to control is correctly connected to the source of power. This can be done by using manual control button.
Too big distance between devices. Possible obstacles restricting the reach.	Try to control a device from different location.

COMMAND CLASSES

MANUFACTURER SPECIFIC REPORT

Parameter	Value
Manufacturer ID	0x0085
Product Type ID	0x0007
Product ID	0x0004

COMMAND CLASSES

Command Classes	Support
Z-WAVEPLUS INFO	ok
VERSION	ok
POWERLEVEL	ok
ASSOCIATION	ok
ASSOCIATION GROUP INFO	ok
MANUFACTURER SPECIFIC	ok
DEVICE RESET LOCALLY	ok
CONFIGURATION	ok
NODE NAMING	ok

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.

FAKRO Sp. z o.o.

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Quality certificate:

Device

Model

Serial number

Seller

Address

Purchase date

Invoice No.

Signature (stamp) of person installing a device