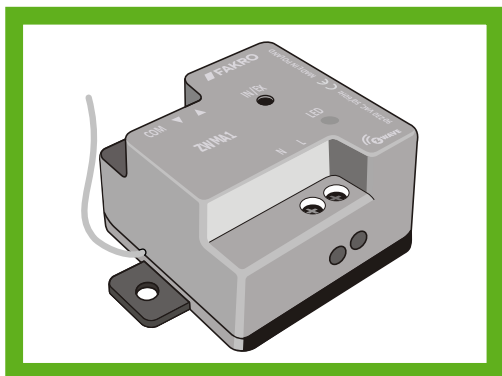


ZWMA1



Moduł Adaptacyjny Z-Wave

Instrukcja Użytkowania



The ZWMA1 conversion module is a radio controller compatible with the Z-Wave communication protocol intended for controlling the device or group of devices by means of potential-free inputs. These inputs can be controlled by means of a wall switch or a contactor of another control system. In addition, the module can cooperate with Z-Wave controllers of other manufacturers as an additional controller.

Important information

1. Please read carefully instructions before proceeding to the device operation.
2. The device is powered by 90-230 VAC and can be installed only by a properly trained person with an appropriate authorization for working with this type of voltage.
3. The device must be installed out of children reach.
4. The device radio range is directly dependent on the environment (in open space up to 40m).
5. When programming the ZWMA1 to another Z-Wave device please read carefully instructions.
6. We declare with full responsibility that the ZWMA1 device is compliant with the following European Directives:
 - a) 2006/95/EEC Low Voltage
 - b) 2004/108/EEC Electromagnetic Compatibility
 - c) 1995/5/EEC R&TT

Technical specification

Working temperature - (+5°C) to (40°C)
 Working range in open space - up to 40 [m]
 Radio Protocol - Z-Wave
 Working frequency - 868.4 [MHz] (EU), 921.4 [MHz] (AUS), 908.4 [MHz] (US),
 Power supply - 230VAC
 Dimensions (length/width/height) - 42/42/26 [mm]

Supported Z-Wave functions:

Include – adding device to Z-Wave network
 Exclude – removing device from Z-Wave network
 Associate – adding device to an associative group
 Learn Mode – adding an additional controller to the network

Module description

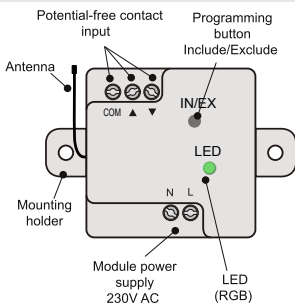
COM - input GND

▲ - input "up"

▼ - input "down"

L - input hot wire

N - input neutral wire



 **The module is powered by 230V AC**

Installation and control description

The device can be installed in the plastic distribution board by means of holders or in under-plaster box (it is necessary to break open the holders). Cables to the connector should have a core in the form of a string with a thickness between 0.25mm² and 0.75mm².

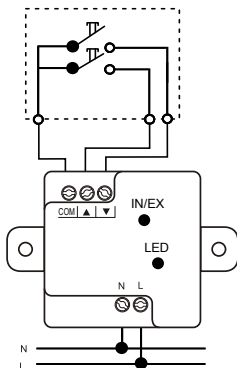
The module operates in one of two control modes:

Basic – COM short circuit with one of the other pins ("up" or "down") will send command "open" or "close" respectively. The short circuit of three pins will send command "stop". During incorrect radio transmission, LED will blink three times in green.

Multilevel - COM short circuit with one of other pins ("up" or "down") longer than 0.5 sec. will send command "open" or "close" respectively as long as this short circuit is sustained. Open circuit will send command "stop". During incorrect radio transmission, LED will blink three times in blue.

Change of the mode is described in section "Change of module parameters".

Double switch or other free-potential control system



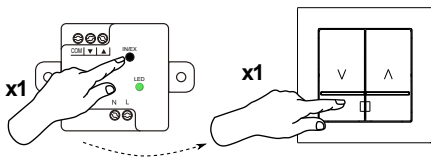
Module programming

Double connector or a jumper pin can be used for programming module aimed at short-circuit of an appropriate inputs.

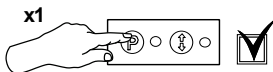
Adding device to module (Include+Associate)

The device cannot be assigned to another Z-Wave network!

1. Press shortly In/Ex button on the module (Include). When green LED is on, press "up" or "down" button on the switch (Associate).



2. When green LED starts blinking, press P programming button within 10 seconds on the device you want to control.



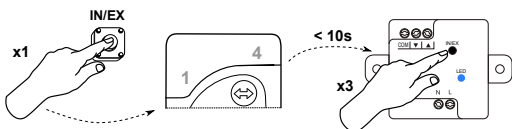
After correct adding, green LED on the module and network status LED on the device go off (see user manual).

After 10 seconds the module is ready to be controlled.

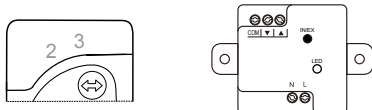
Module programming

Dodanie modułu do istniejącej sieci Z-Wave jako kontrolera dodatkowego (Learn Mode)

1. Perform Include procedure on the basic controller (e.g. ZWP10) by pressing shortly IN/EX button.



2. When LEDs 1, 4 are on, press three times IN/EX button within ten seconds on the module. LED will emit blue light.

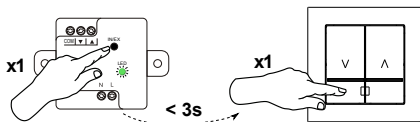


3. After correct adding on the basic controller LEDs change into 2,3 (see controller manual), while LED on the module goes off.

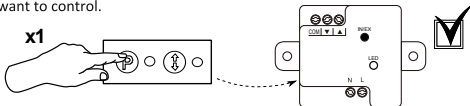
Adding device to the module which operates in the network as additional controller (Associate).

Devices must be in one Z-Wave network which involves performing Include function on the basic controller!

1. Press In/Ex button once within 3 seconds on the module and one of buttons of the switch.



2. When LED starts blinking, press P button within 10 seconds on the device you want to control.



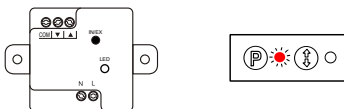
After correct adding, LED on the module goes off.
The device is ready to be controlled via the module!!

Removing the device from the Z-Wave network (Exclude)

1. Press shortly twice In/Ex button on the module.



2. When red LED is on, press P button within 10 seconds on the device being removed from the Z-Wave network.

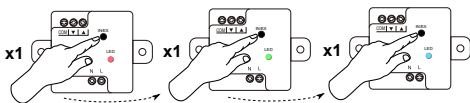


After correct device removing, LED on the module goes off, while network status LED is on (see user manual).

Module reset

The Z-Wave network reset (Default)

1. Press IN/EX button and hold until LED turns red,
2. Press IN/EX button for the second time and hold until LED turns green,
3. Press IN/EX button for the third time and hold until LED turns blue.



After correct performance of the procedure, LED will blink sequentially in red, green and blue..

Reset of the module configuration parameters

Press shortly 5 times IN/EX button to restore default parameters of the module. After correct performance of the procedure, LED will blink twice sequentially in red, green and blue.

Change of module parameters

Parameter 1

Changing Basic work modes for Multilevel and vice versa

Supported values: 1 = Basic, 2 = Multilevel (default: 1)

Changing Basic work mode for Multilevel:

Press In/Ex button on the module and hold until LED turns red and then blue, then release the button

Changing Multilevel work mode for Basic:

Press In/Ex button on the module and hold until LED turns red and then green, then release the button.

Warranty

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

- Installation has been performed by an authorised individual, as per manufacturer recommendations.
- Seals remain intact and no unauthorised 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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