ZWMA Conversion Module

Z – automatic control, **W** – Z-Wave, **M** – module, **A** – conversion (adaptation)

TYPE: ZWMA

1. DESCRIPTION

The ZWMA conversion module allows remote control of FAKRO electrical devices fitted with the Z-Wave module, e.g. Electro Z-Wave windows or ARZ Z-Wave roller shutters by means of another control system.
The module has four double (open – close) digital inputs, which can receive potential-free signals from various external devices such as thermostats, timer switches or the EIB system, etc. The module can support up to 231 devices simultaneously or in up to four groups.

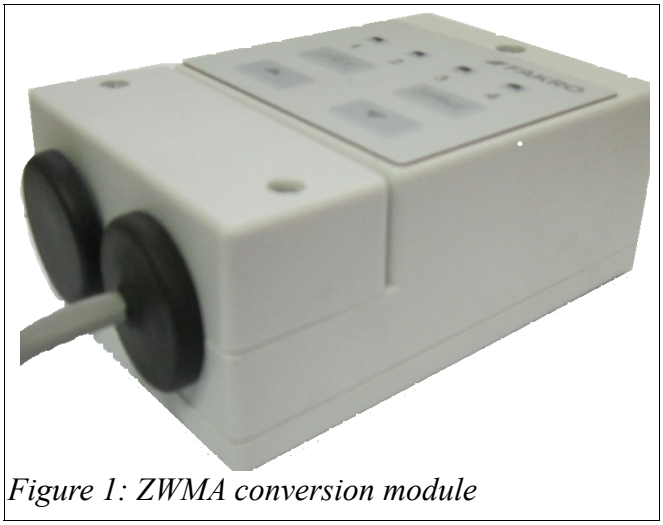


Figure 1: ZWMA conversion module

The ZWMA conversion module is equipped with a two-way radio communication system, the Z-Wave. For communication, the Z-Wave system utilizes radio frequency of 868.42 MHz.

2. ADVANTAGES

COMFORT

Functionality

- The ZWMA module makes it possible to control FAKRO accessories through another system: EIB/KNX, thermostat, client button, timer or blind button of any manufacturer.

SAFETY

- Communication with the devices is achieved wirelessly using the Z-Wave protocol with implemented cryptography system. The Z-Wave system uses radio frequency of 868.42 MHz.

3. COMPATIBILITY WITH FAKRO PRODUCTS

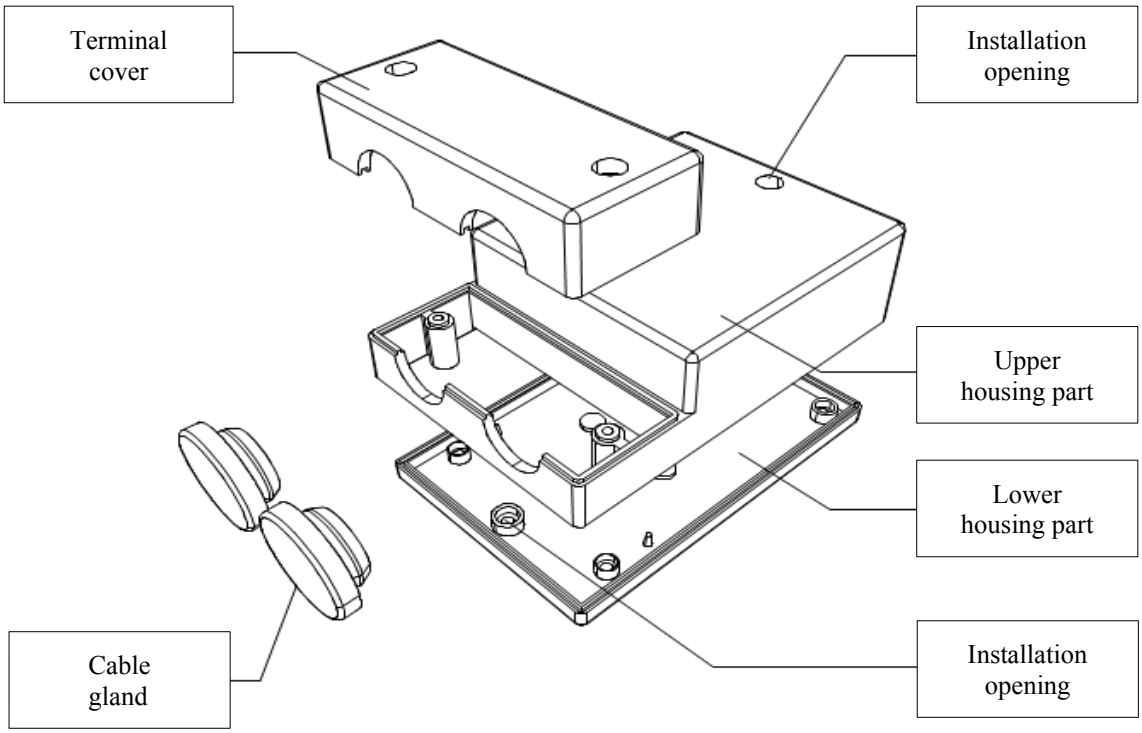
The ZWMA module is intended for controlling the following devices:

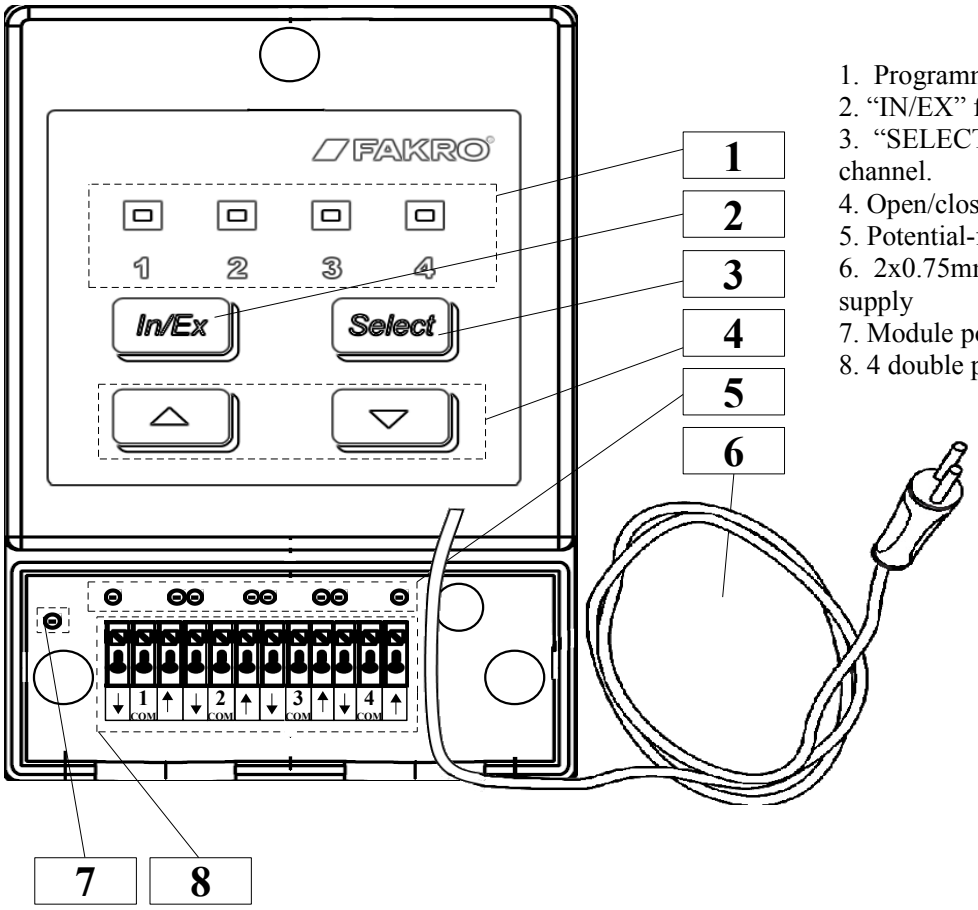
- ZWS12, ZWS230 actuators,
- ARZ Z-Wave external roller shutters,
- ARF Z-Wave and ARP Z-Wave internal roller blinds,
- AJP Z-Wave Venetian blinds.

4. PRODUCT AVAILABILITY

The stock quantity maintained for the ZWMA module in the main warehouse in Nowy Sacz is 5 units.

5. STRUCTURE





1. Programming and active channel signal
2. "IN/EX" function button
3. "SELECT" button for changing active channel.
4. Open/close button
5. Potential-free input signal
6. 2x0.75mm^2 cable, 230VAC 50Hz power supply
7. Module power signal
8. 4 double potential-free inputs.

6. USING ZWMA MODULE

In order to control FAKRO accessories by means of the ZWMA module, they must be connected to 12VDC power supply and then programmed to work with the ZWMA module. Detailed programming instructions are included in the module package. The module can support up to 231 devices. To operate FAKRO electrical accessories from another system, connect the external automation devices of that system to selected potential-less inputs in the ZWMA module, following the enclosed instructions.

The programming instructions of the ZWMA module are available on the intranet at: *http://intranet.fakro.pl/pl/products/automation/ventilation/switch/instructions/usage-instructions/instrukcja-montazu-i-uzytkowania-modulu-adaptacyjnego-zwma*

7. SPECIFICATION

TECHNICAL PARAMETERS	ZWMA
Power supply	230VAC
Working temperature	(+5^{O}C) to (40^{O}C)
Working range	up to 40 [m]
Working frequency	863.42 MHz
Maximum length of the device cable connected to digital input	5 mb

8. LOGISTIC DATA

The production labels of the ZWMA module are placed on the top and side of the package (fig.2).

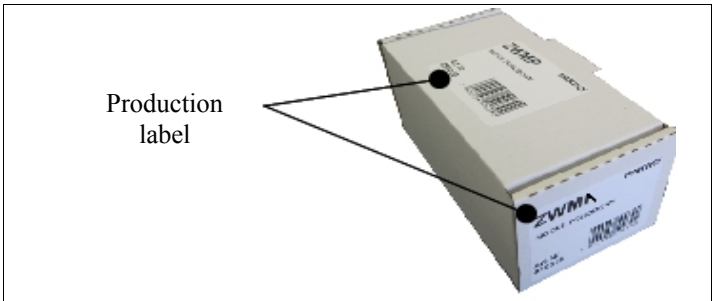


Figure 2: ZWMA module box

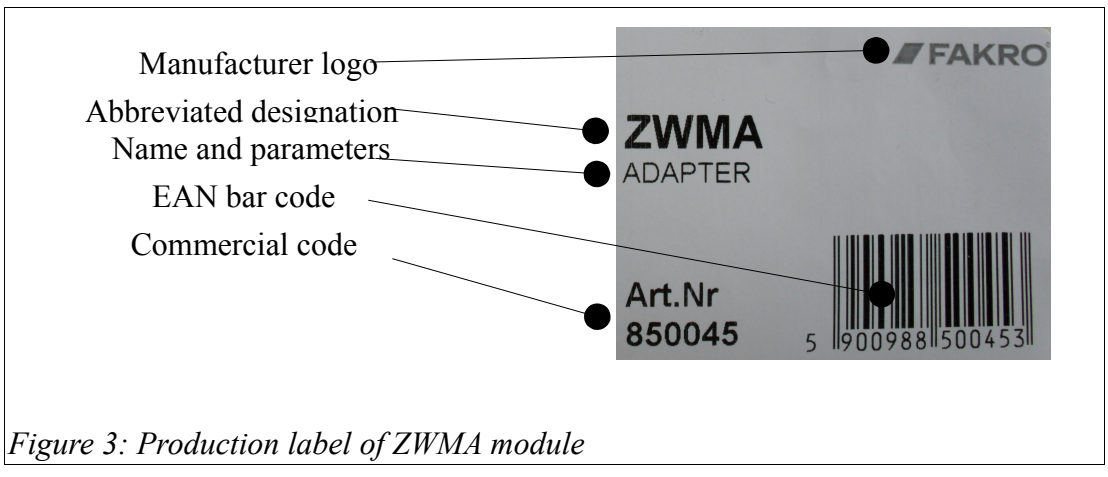


Figure 3: Production label of ZWMA module

Detailed logistic data is to be found in the logistics card of the ZWMA module available on the intranet at: *http://intranet.fakro.pl/pl/products/automation/ventilation/switch/logistics-cards/karta-logistyczna-modulu-zwma*

9. WARRANTY

The warranty is 24 months from the date of sale.

10. CERTIFICATION

The ZWMA is an electrical device certified in accordance with the provisions of the Electromagnetic Compatibility (EMC) Directive 89/336/EEC (2004/108/EC) and the Low Voltage Directive 73/23/EEC, as amended, in the following areas: safety, electromagnetic compatibility and effective use of the radio spectrum. The compliance with the above is confirmed by the CE marking on the product and the Declaration of Conformity. The Declaration of Conformity is found in every manual and will be also sent on request.

11. COMPETITION

The ZWMA module competes with the following Velux products:

- KLF 100 – Velux,
- KLF 050 – Velux.

12. FAQ

1. What kind of devices can be connected to the ZWMA module?
The ZWMA module has been designed to accept a variety of external devices such as thermostats, time switches, the EIB system. The module is used for communication between two different systems, which facilitates connecting various devices by the user.

2. It is necessary to program the ZWMA module to work with receivers in the Z-Wave system?
Yes. Programming the ZWMP module is described in the attached instructions. The module communicates with the devices using a wireless (radio) communication system, the Z-Wave.

3. Is possible to control FAKRO devices directly form another system (without the ZWMA)?
The ZWMA module has been designed specifically for that purpose, i.e. to control FAKRO devices via another system. Any modifications not previously agreed with FAKRO, result in loss of the warranty.

Prepared by:
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