



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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CONTROL KEYPAD DESCRIPTION

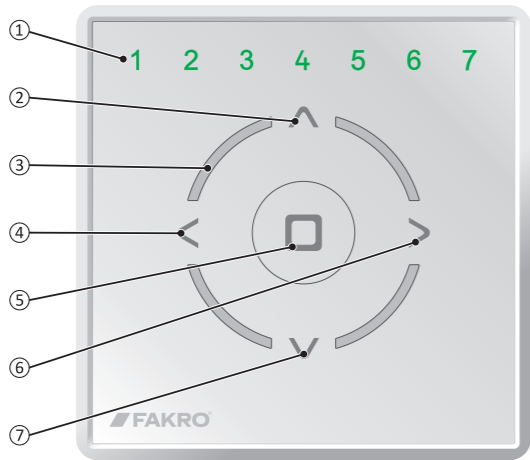
The ZRW7 control keypad is designed for the remote control of devices compatible with the Z-Wave standard. The control keypad enables to operate up to 12 devices in each of 7 groups (a total of 84 devices). The currently selected group is marked with one of LEDs from 1 to 7.
The ZRW7 control keypad can act as PRIMARY and SECONDARY controller.

- i** **CONTROLLER** – Z-Wave device such as remote control, module, wall switch, control keypad, Internet gateway.
- i** **PRIMARY controller** – It can change settings of the Z-Wave network and add or remove devices. Only one PRIMARY controller can be in one Z-Wave network.
- i** **SECONDRY controller** – It can not change settings of the Z-Wave network and add or remove devices. Many SECONDARY controllers can be in one Z-Wave network.

TECHNICAL SPECIFICATION

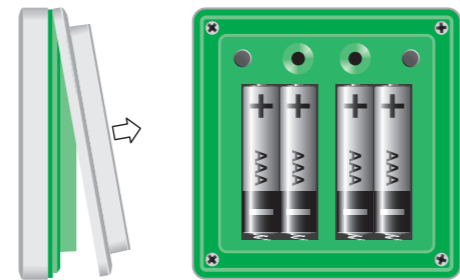
Power supply: 1.5V, 4xAAA	Radio reach: Up to 20m in a building
Dimensions: 80/80/20 mm	Radio protocol: Z-Wave
Working temperature: 0-40°C	Frequency: EU – 868,4MHz

CONTROL KEYPAD STRUCTURE



- ① LEDs signaling selected group or programming function.
- ② Control or programming function button – UP.
- ③ LEDs indicating programming status, correctness of performed procedure and battery status.
- ④ Group selection button – LEFT.
- ⑤ Stop, accept button – STOP.
- ⑥ Group selection button – RIGHT.
- ⑦ Control or programming function button – DOWN.

CONTROL KEYPAD PREPARATION



Place the batteries as shown in the picture before you start using the ZRW7 control keypad.

OPERATION

CONTROL MODES

- i** **SHORT** press of the control button (shorter than 0.5 sec.) causes the action to reach end position.
- i** **LONG** press of the control button (longer than 0.5 sec.) causes the action until releasing the button.
- i** Pressing **STOP** button stops the action.

DEVICE CONTROL

If you want to control devices independently of each other, they must be assigned to separate groups. Up to 7 devices can be controlled independently.

- 1** Using LEFT/RIGHT buttons select group which you want to control.
- 1** Using UP/DOWN buttons control the group (devices).
- 1** Stop the action using STOP button.

QUICK STRT

This function allows to add the device to the Z-Wave network, while assigning it to selected group.

- 1** Hold simultaneously **DOWN** and **STOP** buttons until one of LEDs starts blinking.
- 1** Using **UP / DOWN** buttons select function 1.

- 1** Using **LEFT/RIGHT** buttons select group.
- 1** Accept using **STOP** button.

P Within 12 seconds enter the device being added into programming mode.

i Programming mode in FAKRO devices is reached by pressing programming button "P". Entering devices of other manufacturers to programming mode – see their user manuals.

- 1** Procedure performed correctly.
- 1** Error. Repeat procedure or see page 15, point 1, 2 or 3.

ADD TO GROUP

This function allows to add the device to up to 7 groups. A maximum of 12 devices can be added to each group. Only those devices can be added to the group which have already been added to the Z-Wave network.

- 1** Hold simultaneously **DOWN** and **STOP** buttons until one of LEDs starts blinking.
- 1** Using **UP / DOWN** buttons select function 2.

- 1** Using **LEFT/RIGHT** buttons select group.
- 1** Accept using **STOP** button.

P Within 12 seconds enter the device being added into programming mode.

- 1** Procedure performed correctly.
- 1** Error. Repeat procedure or see page 15, point 1 or 3.

ADD TO NETWORK

This function allows to add devices to the Z-Wave network without adding them to group. Once this procedure is completed, add devices to group (page 5). Using **ADD DEVICE TO NETWORK** you can also add another secondary remote controls.

- 1** Hold simultaneously **DOWN** and **STOP** buttons until one of LEDs starts blinking.
- 1** Using **UP / DOWN** buttons select function 3.

- 1** Accept using **STOP** button.

P Within 12 seconds enter the device being added into programming mode.

If instead of the device you add another controller, run **ASSIGN AS SECONDARY**. The ZRW7 control keypad – page 9. Controller of other type – see its user manual.

- 1** Procedure performed correctly.
- 1** Error. Repeat procedure or see page 15, point 1 or 2.

COPY GROUP

This function allows to copy selected group to another controller in the same Z-Wave network.

- 1** Using **LEFT/RIGHT** buttons select the group which you want to copy.
- 1** Hold simultaneously **DOWN** and **STOP** buttons until one of LEDs starts blinking.

- 1** Using **UP / DOWN** buttons select function 4.
- 1** Using **LEFT/RIGHT** buttons select a target group.

- 1** Accept using **STOP** button.
- Within 12 seconds run **ADD TO GROUP** function on the target controller.

- 1** Procedure performed correctly.
- 1** Error. Repeat procedure or see page 15, point 1.

LISTENING MODE

i **Advanced function.**

The remote control entered into listening mode enables remote configuration from another controller, eg Gateway Z-Wave.

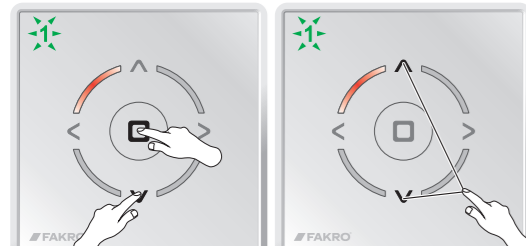
- 1** Hold simultaneously **DOWN** and **STOP** buttons until one of LEDs starts blinking.
- 1** Using **UP / DOWN** buttons select function 5.

- 1** Accept using **STOP** button. LEDs flash sequentially, clockwise.

The ZRW7 control keypad remains in the listening mode for 12 seconds after the end of data transmission

ASSIGN ZRW7 AS SECONDARY

This function allows to assign the ZRW7 control keypad to existing Z-Wave network as SECONDARY controller. PRIMARY controller within this network can be of any type. Devices must be added to selected group of the controller (ZRW7 control keypad – page 7, controller of other type – see its user manual) in order to be controlled by SECONDARY controller.

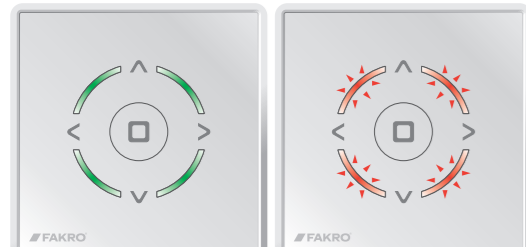


Hold simultaneously DOWN and STOP buttons until one of LEDs starts blinking.
Using UP / DOWN buttons select function 1.



Accept using STOP button.

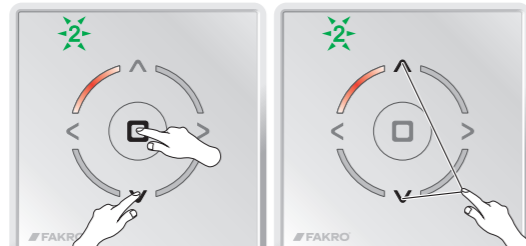
Within 12 seconds run on PRIMARY controller ADD TO NETWORK function. The ZRW7 control keypad – page 6, controller of other type – see its user manual.



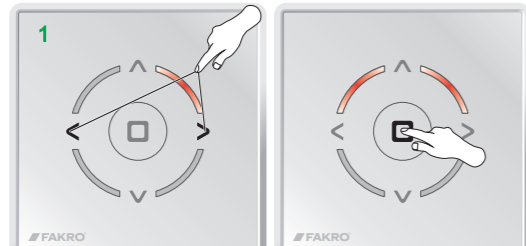
Procedure performed correctly.
Error. Repeat procedure or see page 15, point 1 or 5.

REMOVE FROM GROUP

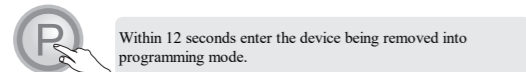
This function allows to remove the device from the group without removing from the Z-Wave network. The device can be added again to the group of any remote control in the same Z-Wave network.



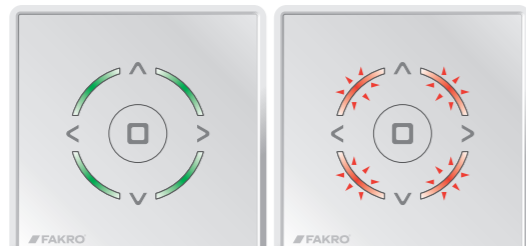
Hold simultaneously DOWN and STOP buttons until one of LEDs starts blinking.
Using UP / DOWN buttons select function 2.



Using LEFT/RIGHT buttons select the group from which you want to remove the device.
Accept using STOP button.



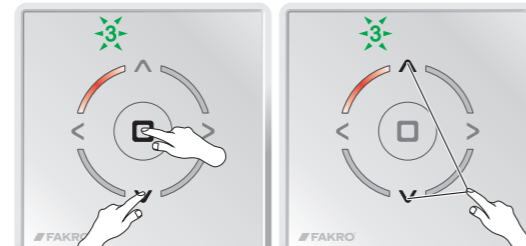
Within 12 seconds enter the device being removed into programming mode.



Procedure performed correctly.
Error. Repeat procedure or see page 15, point 1.

REMOVE FROM NETWORK

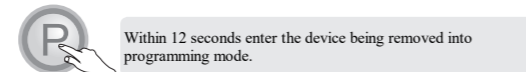
Devices can be removed from the Z-Wave network only using PRIMARY controllers.



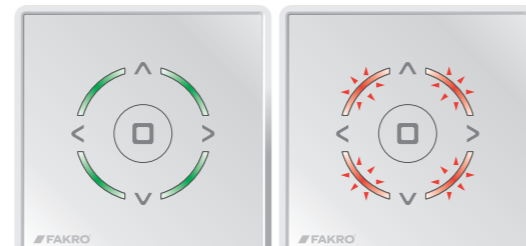
Hold simultaneously DOWN and STOP buttons until one of LEDs starts blinking.
Using UP / DOWN buttons select function 3.



Accept using STOP button.



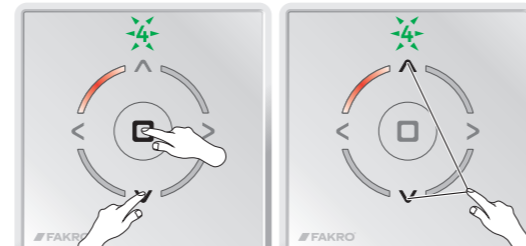
Within 12 seconds enter the device being removed into programming mode.



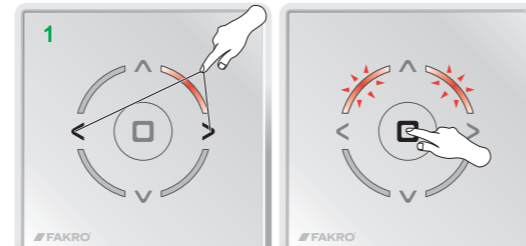
Procedure performed correctly.
Error. Repeat procedure or see page 15, point 1.

REMOVE GROUP

This function allows to remove the entire group of devices. Device control is possible only after re-adding it to the group (page 5).



Hold simultaneously DOWN and STOP buttons until one of LEDs starts blinking.
Using UP / DOWN buttons select function 4.



Using LEFT/RIGHT buttons select the group which you want to remove.
Accept using STOP button.



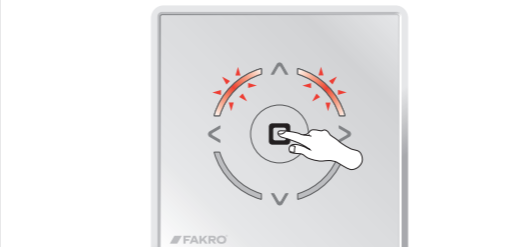
Procedure performed correctly.

ZRW7 RESET

PRIMARY CONTROLLER RESET – It removes all information about the Z-Wave network, groups, etc. Controlling devices is possible only after all devices have been removed (page 11) and added again (page 4 or 5 and 6).
SECONDARY CONTROLLER RESET – It removes all information about the Z-Wave network, groups, etc. Controlling devices is possible only after SECONDARY controller has been added again (page 9) and devices have been added to the group (page 5).



Hold simultaneously DOWN and STOP buttons until one of LEDs starts blinking.
Using UP / DOWN buttons select function 5.



Accept using STOP button.



Procedure performed correctly.

ADDITIONAL INFORMATION

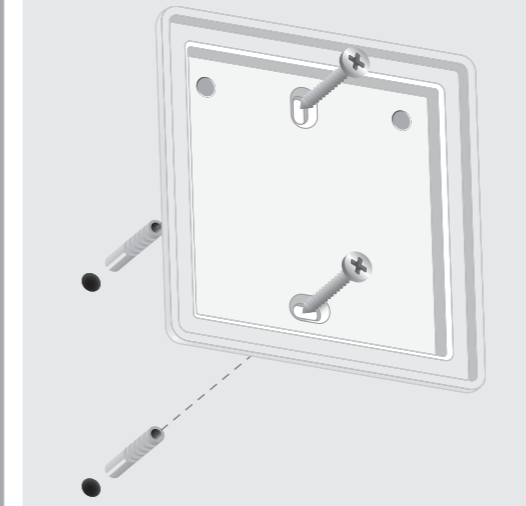
Programming mode.
Programming mode in FAKRO devices is reached by pressing programming button "P". Entering devices of other manufacturers to programming mode – see their user manuals.

BATTERY LEVEL

WARNING STATUS: Low battery level. After pressing any button, red backlight blinks for 2 seconds.
CRITICAL STATUS: Critically low battery level. After pressing any button, red backlight blinks for 2 seconds, device can not be controlled.

INSTALLATION

WARNING! When installing, pay attention to the location of the electrical wiring.



PROBLEMS

CAUSE	SOLUTION
1. General problems.	
Programming mode is not run.	Run programming mode.
Procedure carried out too slowly.	Run programming mode in time no longer than 12 seconds.
Invalid button sequence.	Run the procedure while maintaining required order of operation.
2. Device can not be added to the Z-Wave network using ZRW7.	
The device is added to other Z-Wave network.	REMOVE FROM NETWORK (page 11).
The controller is assigned to network as SECONDARY.	Only PRIMARY controller can add and remove devices.
3. Device can not be added to selected group.	
The group is full.	Add the device to other group.
4. Device can not be removed from the Z-Wave network.	
The controller is assigned to network as SECONDARY.	Only PRIMARY controller can add and remove devices.
5. ZRW7 remote control can not be assigned as SECONDARY.	
Too long waiting time for running ADD TO NETWORK function on PRIMARY controller.	Run ADD TO NETWORK function of PRIMARY controller in time no longer than 12 seconds.
6. Device can not be controlled.	
No power supply.	Check whether the device that you want to control is correctly connected to the power source. This can be done by using manual control button.
Too long distance between devices. Possible obstacles that limit reach.	Try to control the device from a different location.

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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Quality certificate:

Device _____

Model _____

Serial number _____

Seller _____

Address _____

Purchase date _____

Invoice No. _____

Signature (stamp) of person installing a device _____