

ZRG3



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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REMOTE CONTROL DESCRIPTION

The ZRG3 is designed for the remote control of devices compatible with the Z-Wave standard. The remote control enables to operate up to 5 devices in each of 3 groups (a total of 15 devices). The currently selected group is marked with one of LEDs: D1, D2 or D3. The ZRG3 remote control can act as PRIMARY and SECONDARY.



PRIMARY remote control – used to operate groups of devices. It can add and remove devices. Only one PRIMARY remote control can be in one network.



SECONDARY remote control – used only to operate groups of devices. Many SECONDARY remote controls can be in one network.

TECHNICAL SPECIFICATION

Power supply:

3V, 1xCR2450

Reach:

Up to 20m in a building

Working temperature:

0-40°C

Dimensions:

49/44/14 mm

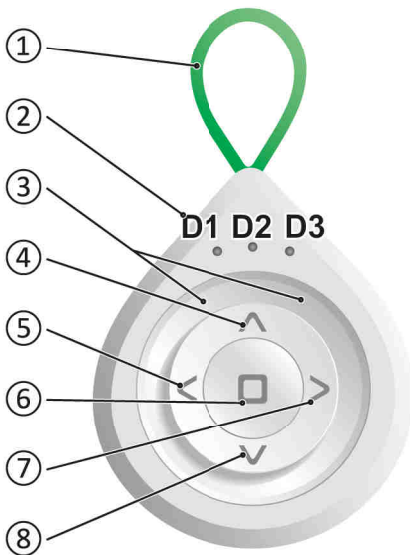
Radio protocol:

Z-Wave

Frequency:

EU - 868,4 MHz;

REMOTE CONTROL STRUCTURE



- ① Remote control hanging cord
- ② D1, D2, D3 – LEDs signaling selected group or selected programming function
- ③ Backlight indicates programming status, correctness of performed procedure and battery status
- ④ Control button – UP
- ⑤ Group selection button or programming function button – LEFT
- ⑥ Stop, accept button – STOP
- ⑦ Group selection button or programming function button – RIGHT
- ⑧ Control button – DOWN

REMOTE CONTROL PREPARATION



Before using the ZRG3 remote control, remove a foil protecting the battery from discharging.

REMOTE CONTROL WAKE UP

The remote control comes with a safety feature protecting against accidental run of the device.

First pressing of any button of the remote control wakes it up. Pressing the remote control again causes the action. The remote control remains active for 5 seconds since the last press of any button.

CONTROL

CONTROL MODES



SHORT press of control button (shorter than 0.5 sec.) causes the action to reach end position.



LONG press of control button (longer than 0.5 sec.) causes the action until releasing the button.



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 3 devices can be controlled independently.



Using **LEFT / RIGHT** buttons select group (D1, D2 or D3) which you want to control.



Using **UP / DOWN** buttons control the group (devices).



Stop the action using **STOP** button.

ADD DEVICE (QUICK START)

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



Using LEFT / RIGHT buttons select group (D1, D2 or D3) to which you want to assign the device.



Hold simultaneously UP and STOP buttons until GREEN backlight is on and D1 LED starts blinking.



Using LEFT / RIGHT buttons select D1 LED.



Accept using STOP button.



Within 12 seconds enter the device being added into programming mode*1.

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



Procedure performed correctly. D1 LED and GREEN backlight is on for a while and then goes off.



Error. D1 LED goes off, RED backlight flashes 3 times. Repeat procedure or see page 13, point 1,2 or 3.

ADD DEVICE TO NETWORK

This function allows you to add devices to the network without adding them to group. Once this procedure is completed, add devices to group (page 6). Using ADD DEVICE TO NETWORK you can also add another secondary remote controls.



Hold simultaneously UP and STOP buttons until GREEN backlight is on and D1 LED starts blinking.



Using LEFT / RIGHT buttons select D3 LED.



Accept using STOP button.



Within 12 seconds enter the device being added into programming mode*1 – page 12.

If instead of the device you add another remote control, run SECONDARY REMOTE CONTROL. The ZRG3 remote control – page 9. Remote control of other type – see its user manual.



Procedure performed correctly. D3 LED and GREEN backlight is on for a while.



Error. D3 LED goes off, RED backlight flashes 3 times. Repeat procedure or see page 13, point 1 or 2.

ADD DEVICE TO GROUP

This function allows to add the device to up to 3 groups. Maximum 5 devices can be added to each group.

Only those devices can be added to the group which have already been added to the network.



Using LEFT / RIGHT buttons select group (D1, D2 or D3) to which you want to assign the device.



Hold simultaneously UP and STOP buttons until GREEN backlight is on and D1 LED starts blinking.



Using LEFT / RIGHT buttons select D2 LED.



Accept using STOP button.



Within 12 seconds enter the device being added into programming mode*1. - page 12.



Procedure performed correctly. D2 LED and GREEN backlight is on for a while and then goes off.



Error. D2 LED goes off, RED backlight flashes 3 times. Repeat procedure or see page 13, point 1 or 3.

REMOVE DEVICE FROM NETWORK

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



Hold simultaneously DOWN and STOP buttons until RED backlight is on and D1 LED starts blinking.



Using LEFT / RIGHT buttons select D3 LED.



Accept using STOP button.



Within 12 seconds enter the device being added into programming mode*1 – page 13.



Procedure performed correctly. D3 LED is on for a while. RED backlight changes to GREEN and then goes off.

Error. D3 LED goes off, RED backlight flashes 3 times. Repeat procedure or see page 13, point 1 or 4.

REMOVE DEVICE 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 network.



Using LEFT / RIGHT buttons select group (D1, D2 or D3) from which you want to remove the device.



Hold simultaneously DOWN and STOP buttons until RED backlight is on and D1 LED starts blinking.



Using LEFT / RIGHT buttons select D2 LED.



Accept using STOP button.



Within 12 seconds enter the device being added into programming mode*1 – page 12.



Procedure performed correctly. D2 LED is on for a while. RED backlight changes to GREEN and then goes off.



Error. D2 LED goes off, RED backlight flashes 3 times. Repeat procedure or see page 13, point 1.

ASSIGN ZRG3 AS SECONDARY

By adding another remote control to common Z-Wave network you can control the same devices using different controllers. Controllers can be of any type, e.g. remote control, Z-Wave gateway module. Devices must be added to selected group (page 6) in order to be controlled by SECONDARY remote control.



SECONDARY



Hold simultaneously DOWN and STOP buttons until RED backlight is on and D1 LED starts blinking.

Using LEFT / RIGHT buttons select D1 LED.

SECONDARY



Accept using STOP button.

Within 12 seconds run on PRIMARY remote control ADD DEVICE TO NETWORK.

ZRG3 remote control – page 5.

Remote control of other type – see its user manual.

SECONDARY



Procedure performed correctly. D1 LED and GREEN backlight is on for a while and then goes off.

Error. D1 LED goes off, RED backlight flashes 3 times. Repeat procedure or see page 14, point 1 or 5.

RESET REMOTE CONTROL

PRIMARY REMOTE CONTROL RESET – It removes all information about the network, groups, etc. Controlling devices is possible only after all devices have been removed (page 7) and added again (page 4 or 5 and 6).

SECONDARY REMOTE CONTROL RESET – It removes all information about networks, groups, etc. Controlling devices is possible only after **SECONDARY** remote control has been assigned to the network again (page 9) and devices have been added to groups (page 6).



Hold simultaneously **DOWN** and **STOP** buttons until **RED** backlight is on and **D1 LED** starts blinking.



Using **LEFT / RIGHT** buttons select **D1, D2** and **D3 LEDs**.

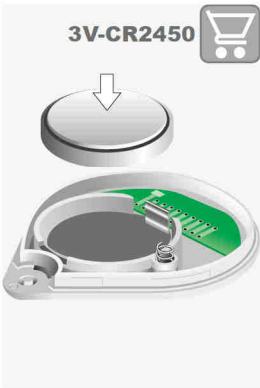
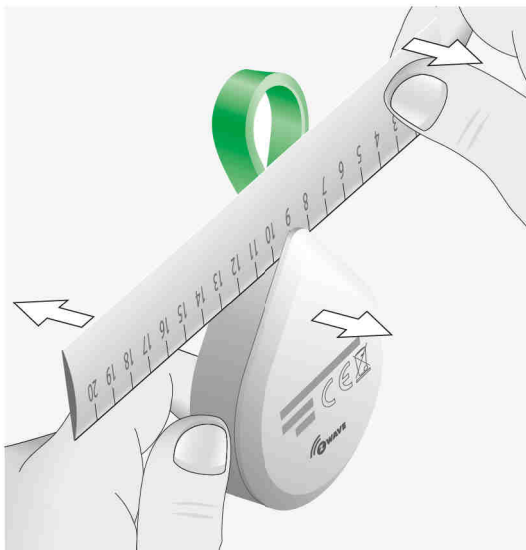


Accept using **STOP** button.



Procedure performed correctly.
RED backlight changes to **GREEN** and then goes off.

BATTERY REPLACEMENT



LISTENING MODE

i **ADVANCED FUNCTION.** The remote control entered into listening mode enables remote configuration from another controller assigned to the same network, e.g. Gateway Z-Wave.



Hold simultaneously UP and STOP buttons until GREEN backlight is on and D1 LED starts blinking.



Using LEFT / RIGHT buttons select all LEDs (D1, D2, D3).



Accept using STOP button. GREEN backlight starts blinking alternately.

Within 12 seconds, run requested function using other remote control.

The remote control remains in the listening mode for 12 seconds after the end of data transmission. After this time the remote control automatically enters sleep mode.

ADDITIONAL INFORMATION

*1 - 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 STATUS

WARNING STATUS: Low battery status. After pressing any button, red backlight blinks for 2 seconds.

CRITICAL STATUS: Critically low battery status. After pressing any button, red backlight blinks for 2 seconds, device cannot be controlled.

ROUTING

Routing allows to use another device in the network to send commands from the controller in order to improve reach.

When using the ZRG3 remote control to operate the entry gate, we recommend switching off the routing to increase the battery life.

ON – Press simultaneously STOP and LEFT buttons, green backlight will be on for 2 seconds.

OFF - Press simultaneously STOP and RIGHT buttons, red backlight will be on for 2 seconds.

PROBLEMS

CAUSE

SOLUTION

1. General problems.

Programming button is not run.

Run programming mode.

Too long waiting time for pressing programming button on the device.

Run programming button in time no longer than 12 seconds.

Incorrect sequence of buttons.

Carry out the procedure while maintaining the required sequence of action.

2. Device cannot be added to the Z-Wave network using ZRG3 remote control.

Device has been added to another Z-Wave network.

REMOVE FROM NETWORK (page 9).

Controller is assigned to the network as SECONDARY.

Only PRIMARY controller can add and remove devices.

3. Device cannot be added to selected group.

Group is full.

Add device to another group.

4. Device cannot be removed from the network.

Controller is assigned to the network as SECONDARY.

Only PRIMARY controller can add and remove devices.

5. ZRG3 remote control cannot be assigned as SECONDARY.

Too long waiting time for running ADD DEVICE function on PRIMARY controller.

Run ADD DEVICE function on PRIMARY controller in time no longer than 10 seconds.

6. Device cannot be controlled.

No power supply.

Check whether the device that you want to control is properly connected to the power source. This can be done by using manual control button.

Too big distance between devices. Possible obstacles that limit reach.

Try to control the device from another 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.

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