FAKRO®

ORIGINAL USER MANUAL

GB

Z-Wave Remote Control

ZRH1

Z-WAVE

CE

Dear Sir/Madam! Thank you for purchasing the product from FAKRO. We hope it will meet your expectations. To ensure appropriate functioning of the product, please peruse this User Manual.

Remote control (controller)

Remote control holder

The remote control includes 2x1.5V AAA (LR03) batteries.

REMOTE CONTROL DESCRIPTION

A single-channel ZRH1 is designed for the remote control of devices compatible with the Z-Wave standard. The remote control allows to operate up to 12 devices in one group (only simultaneously).
Remote controls in the Z-Wave network are divided into PRIMARY and SECONDARY.

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

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

Note! Use only alkaline batteries for the replacement.

Note! Risk of explosion if batteries are replaced by batteries of an incorrect type. Dispose of worn-out batteries according to the instructions.

TECHNICAL SPECIFICATION	
Power supply: 2x1.5V AAA (LR03)	**Radio protocol:** Z-Wave
Reach: Up to 20 m in a building	**Frequency:** EU – 868.4 MHz
Working temperatire: 0-40ºC	AS/NZ – 921.4 MHz US/Canada – 908.4 MHz
Dimensions: 125/48/16 mm	RU – 869 MHz (depending on version)

REMOTE CONTROL STRUCTURE
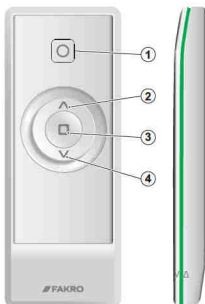
① Signalling LED

② Navigation button, control - UP

③ Stop button, accept - STOP

④ Navigation button, control - DOWN

REMOTE CONTROL PREPARATION

- Open the battery cover by sliding it down.
- Remove the foil.
- Close the battery cover by sliding it up until the catches click.

CONTROL

CONTROL MODES

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

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

Pressing STOP button stops the action.

DEVICE CONTROL

Controlling devices via the ZRH1 remote control consists in controlling one group of devices simultaneously.

Using UP/DOWN buttons control device or devices.	Stop the action using STOP button.

REMOTE CONTROL MENU DESCRIPTION

The ZRH1 remote control comes with a multicolour LED on the front of the housing. The available functions and their designation are described below.

Z-Wave FUNCTIONS

HOLD STOP + UP BUTTON FOR 3 SECONDS

- QUICK START/ ADD DEVICE - Adding devices to both the network and the group.

- ASSOCIATE/ ADD DEVICE TO GROUP.

- INCLUDE/ ADD DEVICE TO NETWORK.

- LISTENING MODE - Option for remote configuration of the remote control using another remote control.

HOLD STOP + DOWN BUTTON FOR 3 SECONDS

- LEARN MODE - Option to add the ZRH1 remote control to the network as SECONDARY.

- DELETE NODE/ REMOVE DEVICE FROM GROUP

- EXCLUDE / REMOVE DEVICE FROM NETWORK

- DEFAULT/ REMOTE CONTROL RESET - Resetting the remote control settings and removing device and network information from it.

ADD DEVICE (QUICK START)

With this function a device can be added to the Z-Wave network and to the group.

Hold simultaneously UP and STOP buttons until you enter the Z-Wave function selection mode.

Using UP/ DOWN buttons select marked position.

Accept using STOP button.

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

*Programming mode is reached by pressing programming button "P" on the device being added/removed. FAKRO products have programming buttons marked with "P".

Procedure performed correctly. Green LED flashes 3 times.

Error. Red LED flashes 3 times. Repeat procedure or see PROBLEMS (page 14).

With this function a maximum of 12 devices can be added to one, common group. Only those devices can be added to the group which have already been added to the Z-Wave network.

Hold simultaneously UP and STOP buttons until you enter the Z-Wave function selection mode.

Using UP/ DOWN buttons select marked position.

Accept using STOP button.

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

Procedure performed correctly. Green LED flashes 3 times.

Error. Red LED flashes 3 times. Repeat procedure or see PROBLEMS (page 14).

ADD DEVICE TO NETWORK

With this function devices can be added to the Z-Wave network without adding them to the group. Once this procedure is completed, add devices to the group (page 6). Using ADD DEVICE TO NETWORK you can also add another SECONDARY remote controls.

Hold simultaneously UP and STOP buttons until you enter the Z-Wave function selection mode.

Using UP/ DOWN buttons select marked position.

Accept using STOP button.

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

If instead of the device you add another remote control, run ASSIGN AS SECONDARY. The ZRH1 remote control – page 9. Remote control of other type – see its user manual.

Procedure performed correctly. Green LED flashes 3 times.

Error. Red LED flashes 3 times. Repeat procedure or see PROBLEMS (page 14).
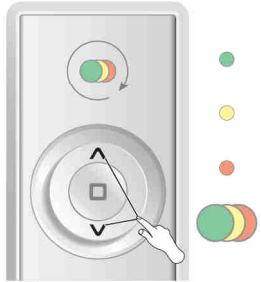
ⓘ Advanced function

The remote control entered into the listening mode enables remote configuration from another controller, e.g. Gateway Z-Wave*.

Hold simultaneously UP and STOP buttons until you enter the Z-Wave function selection mode.

Using UP/ DOWN buttons select marked position.

Accept using STOP button.

The remote control enters the listening mode. The remote control remains in the listening mode for 12 seconds after the end of data transmission.

*Function available only in remote controls with the option allowing for the remote transfer of changes in settings in the remote control with the listening mode. Each remote control of this type can have a separate name of this function.

ASSIGN ZRH1 AS SECONDARY

With this function the ZRH1 remote control can be assigned to existing Z-Wave network as SECONDARY controller. PRIMARY remote control within this network can be of any type. Devices must be added to the group of the remote control (page 6) in order to be controlled by SECONDARY remote control.

SECONDARY

Hold simultaneously DOWN and STOP buttons until you enter the Z-Wave function selection mode.

SECONDARY
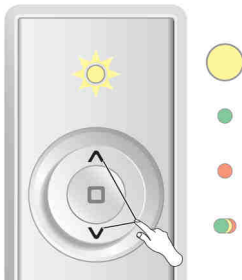
Using UP/ DOWN buttons select marked position.

SECONDARY

Accept using STOP button.

SECONDARY

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

*ZRH1 remote control - page 7
 Remote control of other type - see its user manual.

SECONDARY

Procedure performed correctly. Green LED flashes 3 times.

SECONDARY

Error. Red LED flashes 3 times. Repeat procedure or see PROBLEMS (page 14).

REMOVE DEVICE FROM GROUP

With this function the device can be removed from the group without being removed from the Z-Wave network. The device can be added again to the group of any remote control in the same network.

Hold simultaneously DOWN and STOP buttons until you enter the Z-Wave function selection mode.

Using UP/ DOWN buttons select marked position.

Accept using STOP button.

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

Procedure performed correctly. Green LED flashes 3 times.

Error. Red LED flashes 3 times. Repeat procedure or see PROBLEMS (page 14).

REMOVE DEVICE FROM NETWORK

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

Hold simultaneously DOWN and STOP buttons until you enter the Z-Wave function selection mode.

Using UP/ DOWN buttons select marked position.

Accept using STOP button.

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

Procedure performed correctly. Green LED flashes 3 times.

Error. Red LED flashes 3 times. Repeat procedure or see PROBLEMS (page 14).

REMOTE CONTROL RESET

PRIMARY REMOTE CONTROL RESET – This function removes all information about the network, groups, etc. Controlling devices is possible only after all devices have been removed (page 11) and added again (page 5 or 6 & 7).

SECONDARY REMOTE CONTROL RESET – This function removes all information. 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 you enter the Z-Wave function selection mode.

Using UP/ DOWN buttons select marked position.

Accept using STOP button.

Procedure performed correctly. Green LED flashes 3 times.

SOLAR DEVICE PARAMETERS

OPERATION MODE

Hold STOP button for 3 seconds. Green LED starts blinking. Using UP/DOWN buttons change the parameter value. Accept using STOP button.

MANUAL

SEMI-AUTOMATIC

AUTOMATIC

TRIPPING TIME

Hold STOP button for 6 seconds. Yellow LED starts blinking. Using UP/DOWN buttons change the parameter value. Accept using STOP button.

3 minutes

4 minutes

5 minutes

INSOLATION SENSITIVITY

Hold STOP button for 9 seconds. Red LED starts blinking. Using UP/DOWN buttons change the parameter value. Accept using STOP button.

20%

40%

60%

BATTERY LEVEL

Hold UP/DOWN button for 3 seconds. Depending on the battery charge level, LED will light up in one of the following colours. NOTE! There can only be one device in the group. Otherwise, red LED will flash 3 times.

50-100%

30-50%

0-30%

DECLARATIONS

EU DECLARATION OF CONFORMITY

FAKRO PP Sp. z o.o. hereby declares that a type of radio device ZRH1 is compliant with Directive 2014/53/EU.
The full text of the EU Declaration of Conformity can be found at:
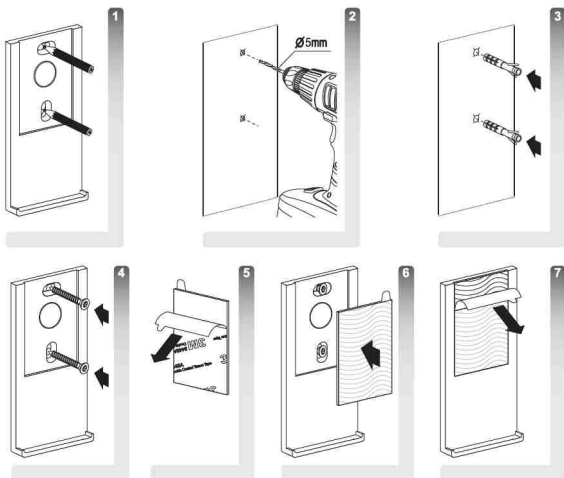http://www.fakro.com/ce-declarations/search/

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.

PROBLEMS

CAUSE	SOLUTION
1. Device cannot be added to the Z-Wave network.	
Device has been added to another Z-Wave network.	REMOVE DEVICE FROM NETWORK (page 11).
The controller is assigned to the network as SECONDARY.	Only PRIMARY controller can add and remove devices.
2. Device cannot be removed from the network.	
The controller is assigned to the network as SECONDARY.	Only PRIMARY controller can add and remove devices.
3. ZRH1 remote control cannot be assigned as SECONDARY.	
The controller being added is assigned to another Z-Wave network,	Restore the controller being added to factory settings.
4. Problems with reach.	
Too big distance between devices or 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.

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