

ZID



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DESCRIPTION

The ZID solar sensor is designed to remotely control up to 10 Z-Wave electric accessories under the influence of changing levels of sunlight. It is used to automate the operation of electric accessories for FAKRO roof windows.

TECHNICAL SPECIFICATION

Power supply:

14.4 VDC NiMH

Reach:

up to 20 m in a building

Working temperature:

-10 – 40°C

Dimensions:

590/80/55 mm

Radio protocol:

Z-Wave

Frequency:

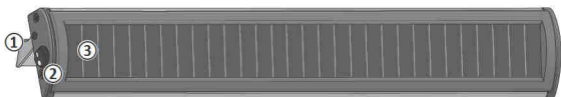
EU – 868.4 MHz

AS/NZ – 921.4 MHz

US/Canada – 908.4 MHz

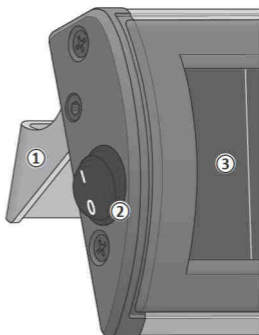
RU – 869 MHz

(depending on version)



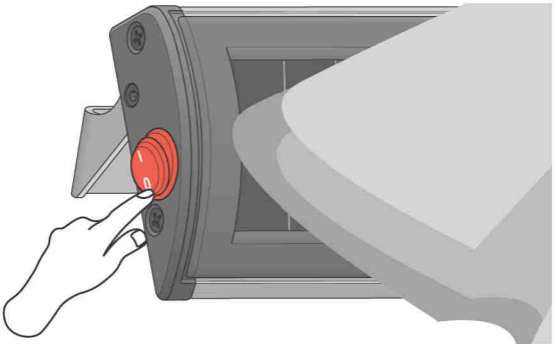
SENSOR STRUCTURE

- 1 – Mounting bracket
- 2 – Power switch
- 3 – Photovoltaic panel

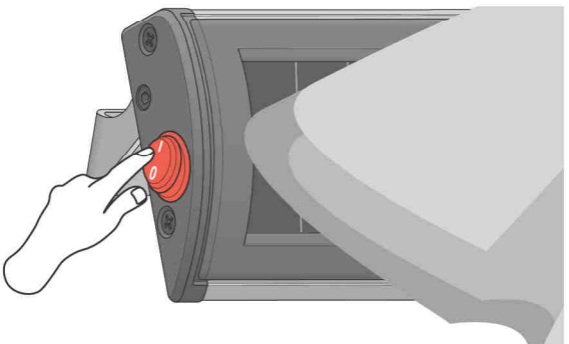


PROGRAMMING METHOD

Programming mode in the ZID solar sensor is achieved by resetting the power supply. To enter the programming mode, cover the photovoltaic panel (eg. with a cloth) and then set the switch to position 0. Switch it to position 1 after 5 seconds.



Cover the photovoltaic panel (eg. with a cloth) and then set the switch to position 0.



Switch it to position 1 after 5 seconds.



Cover the photovoltaic panel during programming.

ADD TO NETWORK

Add the ZID sensor to the Z-Wave network using the Z-Wave controller, eg. ZRH12.

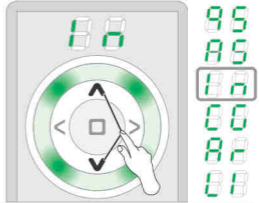


See the original manual for ZRS24 and ZRK24 controllers.

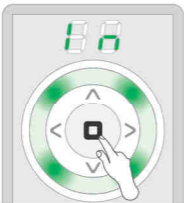
ADDING USING ZRH12



Hold simultaneously UP and STOP buttons until you enter configuration mode (approx. 3 sec.).



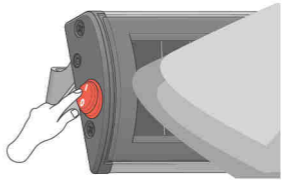
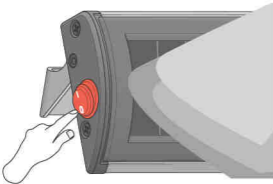
Using UP/ DOWN buttons select marked position.



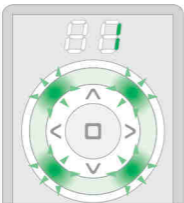
Accept using STOP button.



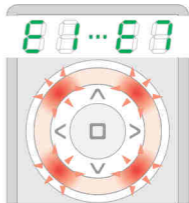
Within 12 seconds enter the device being added into programming mode.



Turn off and after 5 seconds turn on the power while covering the photovoltaic panel.



Procedure performed correctly. Green LED flashes once.



Error. Red LED flashes 3 times. Repeat procedure.

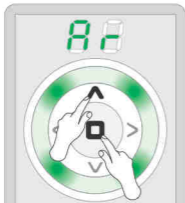
ASSIGN DEVICE

Add Z-Wave electric accessories to the ZID sensor using Z-Wave controller, eg. ZRH12.



The device to be assigned to the ZID sensor must be in the same Z-Wave network.

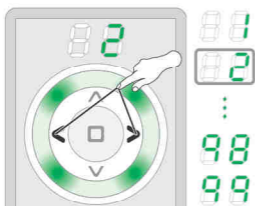
ADDING USING ZRH12



Hold simultaneously UP and STOP buttons until you enter configuration mode (approx. 3 sec.).



Using UP/ DOWN buttons select marked position.



Using LEFT - RIGHT buttons select association group no. 2.



Accept using STOP button.

CONTROLLED DEVICE

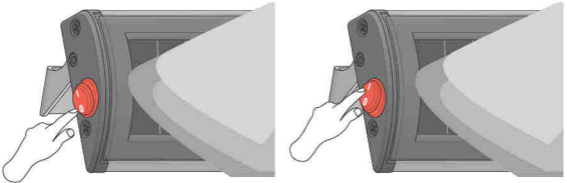


Within 99 seconds enter the device to be controlled by another device into programming mode.

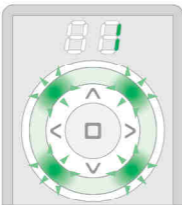
CONTROLLING DEVICE



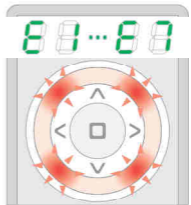
Within 99 seconds enter the ZID solar sensor into programming mode.



Turn off and after 5 seconds turn on the power while covering the photovoltaic panel.



Procedure performed correctly. Green LED flashes once.



Error. Red LED flashes 3 times. Repeat procedure.

ADDITIONAL INFORMATION

ASSOCIATION GROUPS

- no. 1) Life LINE_GROUP
- no. 2) AUTOSHADE_GROUP - max. 10 in one group

COMMAND CLASSES:

- COMMAND_CLASS_ZWAVEPLUS_INFO,
- COMMAND_CLASS_BASIC,
- COMMAND_CLASS_VERSION,
- COMMAND_CLASS_MANUFACTURER_SPECIFIC,
- COMMAND_CLASS_DEVICE_RESET_LOCALLY,
- COMMAND_CLASS_ASSOCIATION,
- COMMAND_CLASS_ASSOCIATION_GRP_INFO,
- COMMAND_CLASS_POWERLEVEL,
- COMMAND_CLASS_SWITCH_BINARY,
- COMMAND_CLASS_SWITCH_MULTILEVEL,
- COMMAND_CLASS_SWITCH_ALL,
- COMMAND_CLASS_CONFIGURATION,
- COMMAND_CLASS_NOTIFICATION_V5,
- COMMAND_CLASS_NODE_NAMING,
- COMMAND_CLASS_BATTERY

MANUFACTURE SPECIFIC REPORT:

- product Type Id = 0009
- product Id = 0001

NODE NAMING:

ZID

OPERATION PARAMETERS [default values in square brackets]

PARAMETER NO.

PARAMETER		PARAMETER VALUE
Operation mode	1	0 - Manual mode 1 - Semi-automatic mode [2] - Automatic mode
Operation mode	2	[1] - Summer 2 - Winter
Reaction time	3	0 - 10 sec 1 - 1 min 30 - 30 min
Insolation level setting [mA]	4	3 100 - Panel charging current
Go to last position	13	[1] - Maximum position 2 - Last saved position
Insolation reading [mA]	17	0 255 - Panel charging current
Settings reset	99	1 - Default parameters 2 - Parameters have been changed
Autoexclude	100	[1] - On 2 - Off

WARRANTY



PL

<https://www.fakro.pl/serwis/gwarancja/>



GB

<https://www.fakro.com/service/customer-service/>

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Quality certificate:

Device

Model

Serial number

Seller

Address

Purchase date

Invoice No.

Signature (stamp) of person installing a device