

Awning blind for roof window



AMZ Z-Wave



IMPORTANT INFORMATION	2
CONNECTION DIAGRAM	3
CONTROL PANEL	3
PROGRAMMING	4
MANUAL CONTROL	4
ADDITIONAL INFORMATION	5
WARRANTY	7



AWNING BLIND DESCRIPTION

The AMZ Z-Wave awning blind is designed for installation on roof windows and suitable for cooperation with Z-Wave remote control system elements with frequency depending on part of the world.

The AMZ Z-Wave awning blind comes with the following protections:

- Mechanical limit switch - when maximally unrolled or rolled up.

- Current limiting - to provide protection against damage in the event of an obstacle or when running a snow-covered awning blind at low temperature.

The functionality of the awning blind allows the percentage read of the current position in the range of 0-100% by the controller with an indicator.

To operate the awning blind, it is required to install it following the picture installation instructions included in the product packaging and assign to the Z-Wave controller. The controller* must be purchased separately.



*CONTROLLER - Z-Wave device such as remote control, module, wall button, Internet gateway.

TECHNICAL SPECIFICATION

Working temperature:

-20°C to + 85°C

Power voltage:

15V DC

Rated power:

20W

Power cable cross-section:

2x0.75mm²

Protection class:

III

Protection degree:

IP44

Radio reach:

Up to 20 m in a building

Radio protocol:

Z-Wave Plus

Radio frequency:

EU – 868.4 MHz;

AS/NZ – 921.4 MHz;

US/Canada – 908.4 MHz;

RU – 869 MHz

(depending on version).

IMPORTANT INFORMATION

Please read carefully the instructions below before proceeding to product installation so as to prevent electric shock, injury, etc.

It is required to observe the following recommendations when installing electrically operated awning blind:

- After unpacking, check the awning blind elements for any signs of mechanical damage.

- Installation should be performed by a qualified person in accordance with manufacturer's instructions.

- Plastic containers used for packing should be stored out of children reach as they may be a potential source of danger.

- The awning blind should be used according to its intended design. FAKRO shall not be responsible for any consequences being the result of improper awning blind use.

- The awning blind cannot be washed using solvent-based substances or open stream of water (do not immerse it in water).

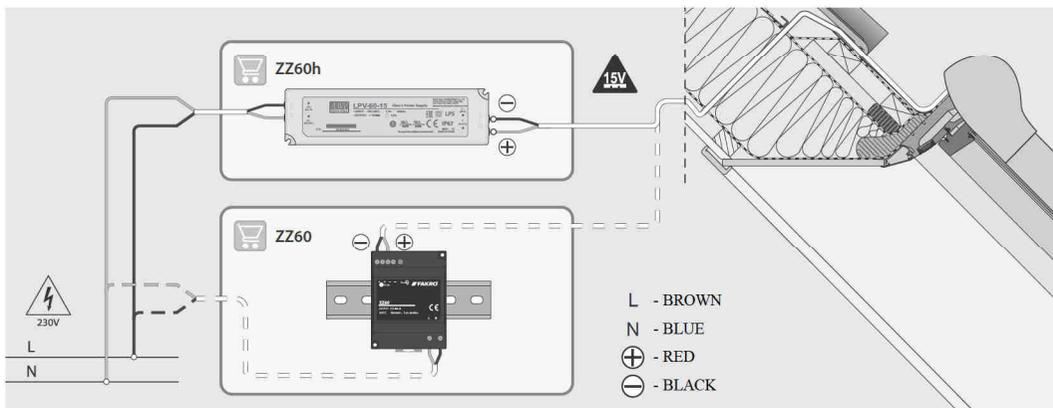
- Any repairs of the awning blind should be carried out by service authorised by the manufacturer.

- The awning blind is intended for outdoor installation.

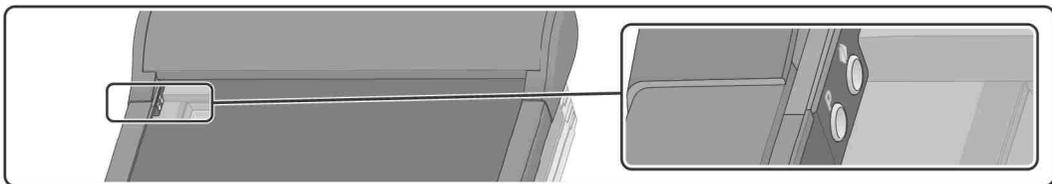
- In the event of adverse weather conditions (frost, snow) it may not be possible to operate the awning blind.

CONNECTION DIAGRAM

Connect the awning blind to the ZZ60h or ZZ60 power supply unit according to the diagram below. A maximum of two awning blinds can be connected to one power supply unit. The power supply unit must be purchased separately.



CONTROL PANEL



BASIC FUNCTIONS



Press the button once.
Manual control.



Press the button once.
Programming.

ADDITIONAL FUNCTIONS



Press the button 3 times.
Restoring device parameters.
LED blinks 3 times.



Press the button 5 times.
Device reset.
LED is on.

- 


Programming LED is on.
The device has not been added to the Z-Wave network.
- 


Programming LED blinks for 10 minutes.
The Autoinclusion function has been activated.
- 

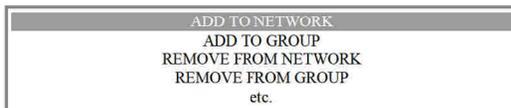

Programming LED blinks quickly 5 times.
Restoring device parameters.
- 


Control LED blinks once.
The device reached end position.
- 


Control LED blinks 3 times.
Overload.

PROGRAMMING

For programming information refer to the user manual of the controller which is to control the awning blind.

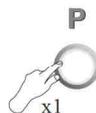


Run selected function on the Z-Wave controller.



METHOD 1*

The device is automatically entered into the programming mode - AUTOINCLUSION.
The device will be automatically added into the Z-Wave network.

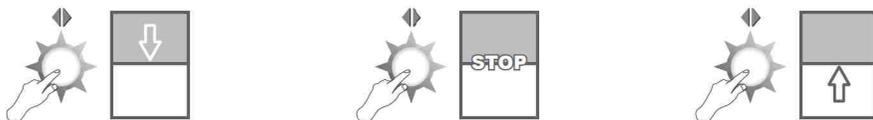


METHOD 2

Enter the device into the programming mode by pressing the programming button.

i *It allows a hard-to-access device to be remotely added to the Z-Wave network without the need for pressing the P button. The Autoinclusion procedure is activated automatically:
- after the Autoexclusion procedure is completed - see Z-WAVE CONFIGURATION PARAMETERS
- after connecting to the power supply when the awning blind is not assigned to any network
The mode is active for a maximum of 10 minutes.

MANUAL CONTROL



Operate the device using the control button: 1. Start, 2. Stop, 3. Start in the opposite direction...

ADDITIONAL INFORMATION

ALL ON / ALL OFF

Turning on this function makes it possible to control all devices simultaneously. It is available if supported by the controller.

Z-WAVE DEVICES COMPATIBILITY

The Z-Wave makes it possible to integrate devices of different manufacturers (lighting, heating, domestic automatic control, etc.). Z-Wave battery-free devices duplicate the received signal, which can result in increased range. This product is compatible with other certified Z-Wave devices.

Note: All information on adding devices to the Z-Wave network in controllers offered by other manufacturers can be found in user manuals of these products.

ASSOCIATION GROUPS

1. Life Line – group for reporting the position of the awning blind after each stop and receiving information about the alarm (overload). A maximum of 1 device can be in the group.
2. Basic Repeat – group used for sending received commands of movement (BASIC SET) to devices belonging to this group. A maximum of 5 devices can be in the group.
3. Multilevel Repeat – group used for sending received commands (SWITCH MULTILEVEL SET, SWITCH MULTILEVEL START LEVEL CHANGE, SWITCH MULTILEVEL STOP LEVEL CHANGE) to devices belonging to these groups. A maximum of 5 devices can be in the group.

Z-WAVE PROCEDURE DESCRIPTION

Functions	Function description	LED signalling	
		MOTOR STATUS LED	Z-WAVE NETWORK STATUS LED
Autoinclusion	It allows a hard-to-access awning blind to be remotely added to the Z-Wave network without the need for pressing the programming button. The Autoinclusion procedure is activated: - Automatically once the Autoexclusion procedure has been completed. This mode is active for a maximum of 10 minutes. - After connecting to the power supply when the awning blind is not assigned to any network.	-	After: Blinking up to 10 minutes.
Inclusion	The awning blind can be manually added to the Z-Wave network. Run the Inclusion function on the controller and then press the programming button on the awning blind. This function is possible provided that the awning blind is not assigned to the Z-Wave network.	-	Before: On. After: Off.
Association	The awning blind can be added to the selected group in the controller by pressing the programming button.	-	-
Exclude	The awning blind can be removed from the Z-Wave network. Run the Exclude procedure in the controller and then press the programming button on the blind.	-	After: on
Delete	The awning blind can be removed from the selected group of the controller. Run the Delete procedure in the controller and then press the programming button on the awning blind.	-	-
Device Reset Locally	Perform 5 times a double-click sequence on the programming button. Device reset.	-	After: on
Parameter Reset Locally	Perform 3 times a double-click sequence on the programming button. Restoring device default parameters.	-	After: Blinking 5 times.

PROBLEMS & ERROR CODES

Power voltage	Error signalling
>16V	Movement locked in both directions. Signalling – green and red LEDs blinking twice simultaneously
<10V	Movement locked in the close direction. Signalling – control LED blinking twice three times at intervals of 2 seconds.

Z-WAVE CONFIGURATION PARAMETERS

Parameter	Parameter no.	Value	Default value	SET (sending)	GET (querying)
Factory settings	99	1 2	1	1 – restore default parameters	1 – default parameters 2 – parameters other than default
Autoexclusion	100	2	-	2 – autoexclude	-

ALARMS & NOTIFICATIONS

Notification type	Event
Energy management	Overload
System	System device failure (defective encoders)

MANUFACTURER SPECIFIC REPORT

Parameter	Value
Manufacturer ID	0x0085
Product Type ID	0x0005
Product ID	0x0111

COMMAND CLASSES

Command Classes	Role	
	Support	Control
Command Class Z-Wave+ Info v2	ok	
Command Class Basic v1	ok	ok
Command Class Version v2	ok	
Command Class Manufacturer Specific v2	ok	
Command Class Device Reset Locally v1	ok	
Command Class Association v2	ok	
Command Class Association Group Info v1	ok	
Command Class Powerlevel v1	ok	
Command Class Switch Binary v1	ok	
Command Class Switch Multilevel v3	ok	ok
Command Class Switch All v1	ok	
Command Class Configuration v1	ok	
Command Class Notification v3	ok	
Command Class Node Naming v1	ok	
Command Class Battery	ok	

WARRANTY



PL

<https://www.fakro.pl/servis/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

