

ARZ Z-Wave Roller Shutter User Manual

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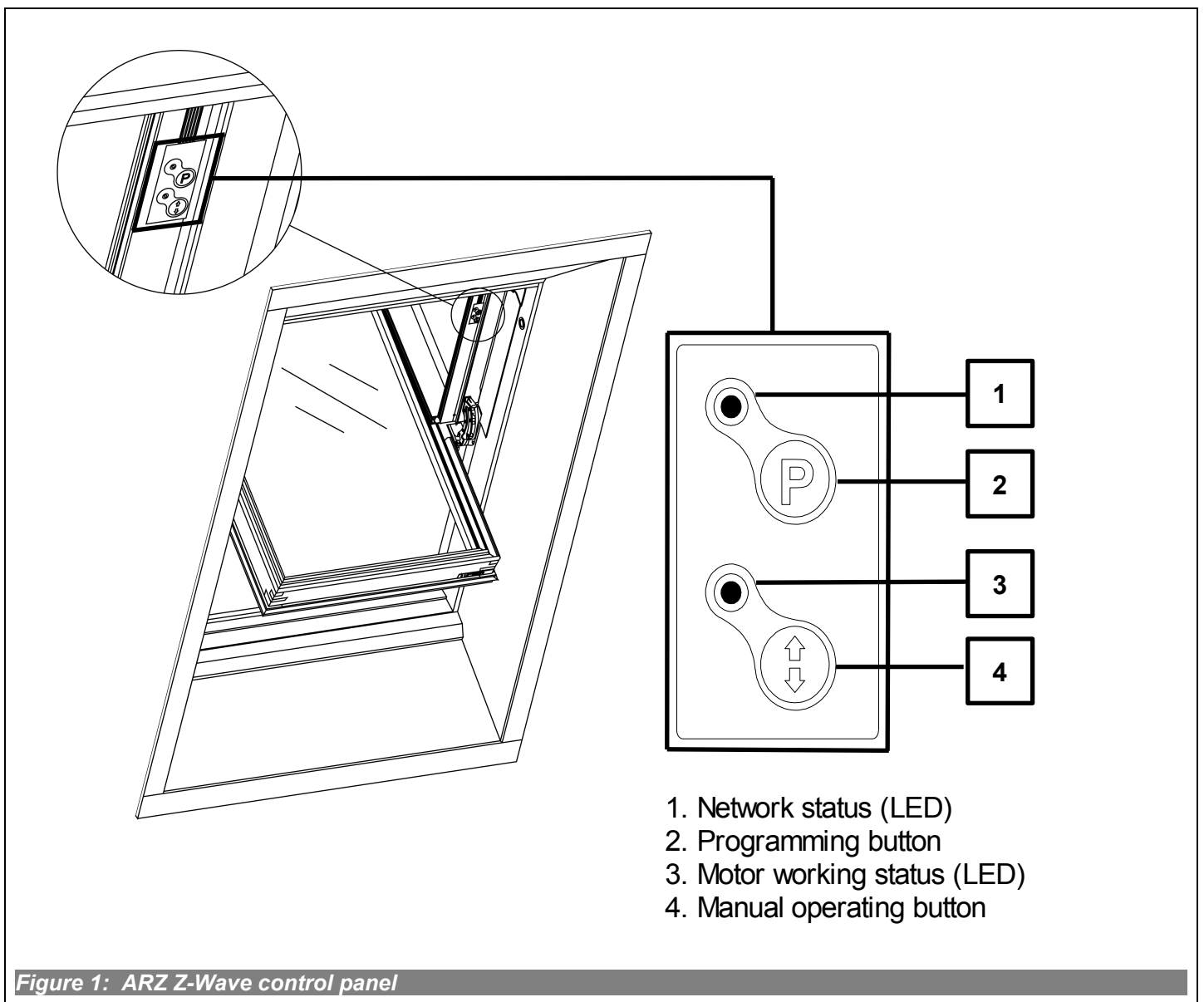
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1. Description

The ARZ Z-Wave roller shutters are intended for mounting onto FAKRO roof windows and have been adapted for cooperation with wireless control devices offered by FAKRO. The ARZ Z-Wave roller shutters are equipped with a two-way “Z-Wave” radio communication module – ZWR. For communication, the Z-Wave module utilizes radio wave frequency of 868,43 MHz. The ARZ Z-Wave roller shutters feature two limit switches:

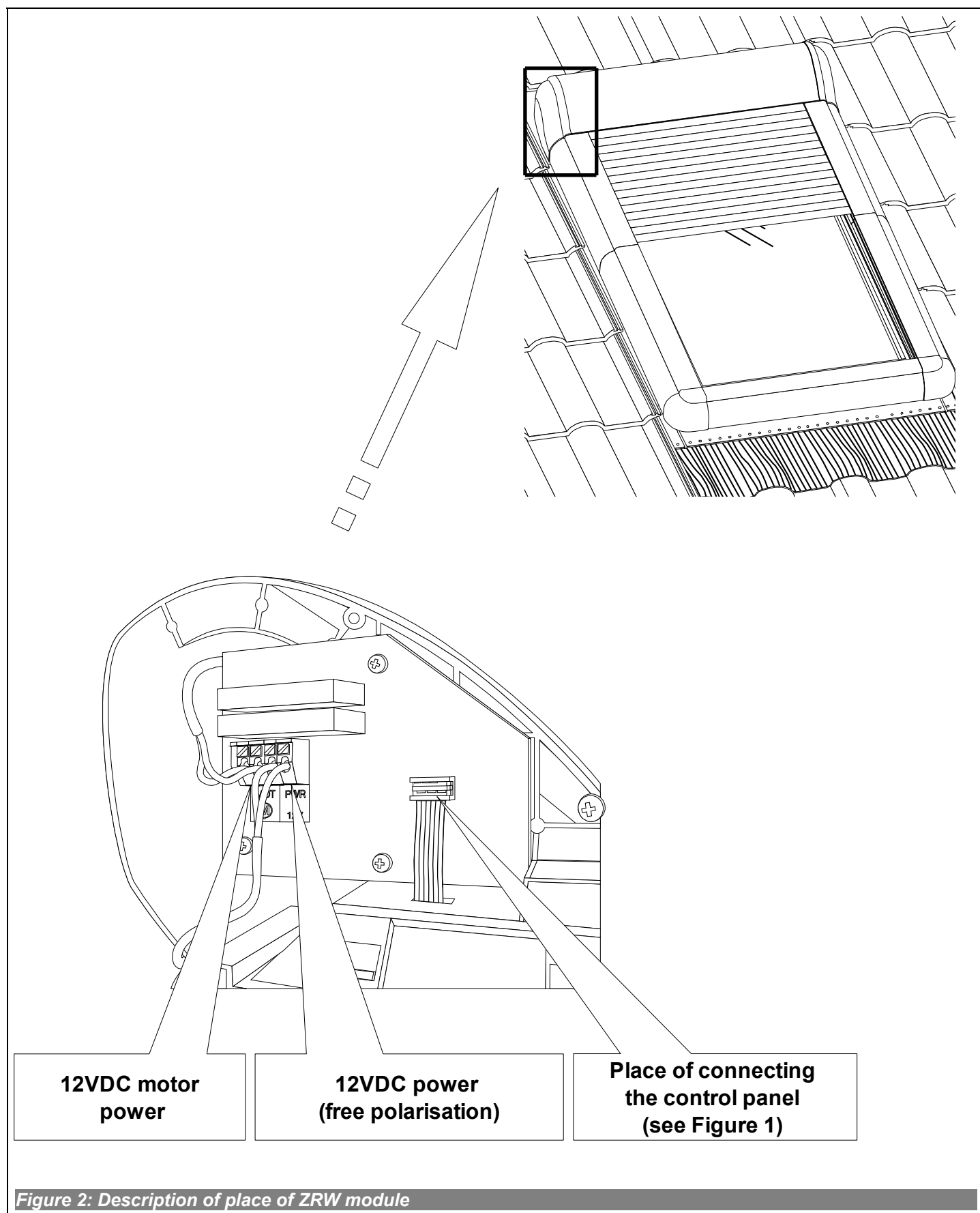
- limit switch at unfolded armour position,
- limit switch at folded armour position.

To be able to operate the shutter, it is necessary to install it following the picture installation instructions included in the product package. Subsequently, the roller shutter should be programmed for one of the remote controls/controllers offered by FAKRO – see section 2.



In *Figure 1* there is presented a general view of the available buttons and signaling, situated on the upper right hand guide of the roller shutter.

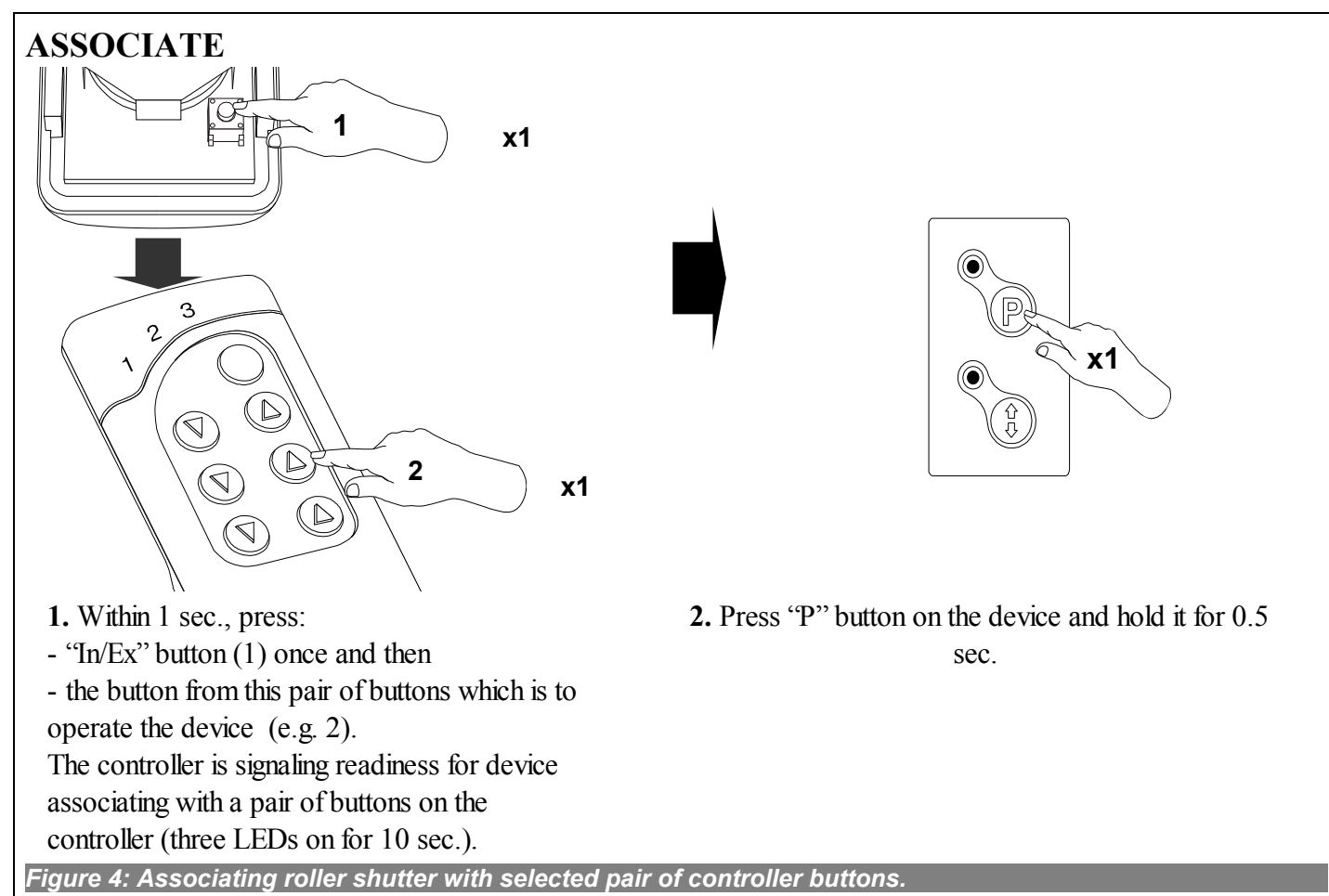
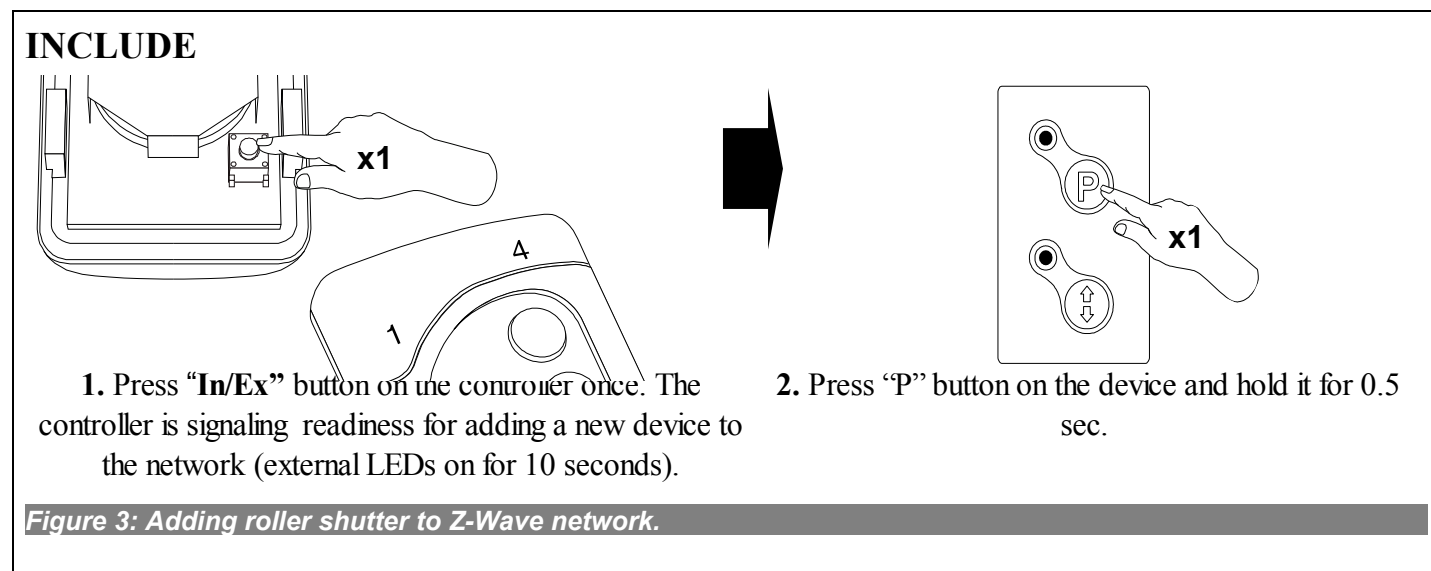
The ZWR radio communication module built into the ARZ Z-Wave roller shutter is placed under the right shutter casing cover – see *Figure 2*.



2. Quick start

In order to operate the ARZ-Wave roller shutter using one of the controllers, e.g. ZWK1, ZWK15, ZWP15 offered by FAKRO, it is necessary to:

1. Add the device (using “*INCLUDE*” function) to the memory of a selected controller. Model procedure is presented in *Figure 3*;
2. Associate the device with a selected pair of buttons (using “*ASSOCIATE*” function). Model procedure is presented in *Figure 4*.



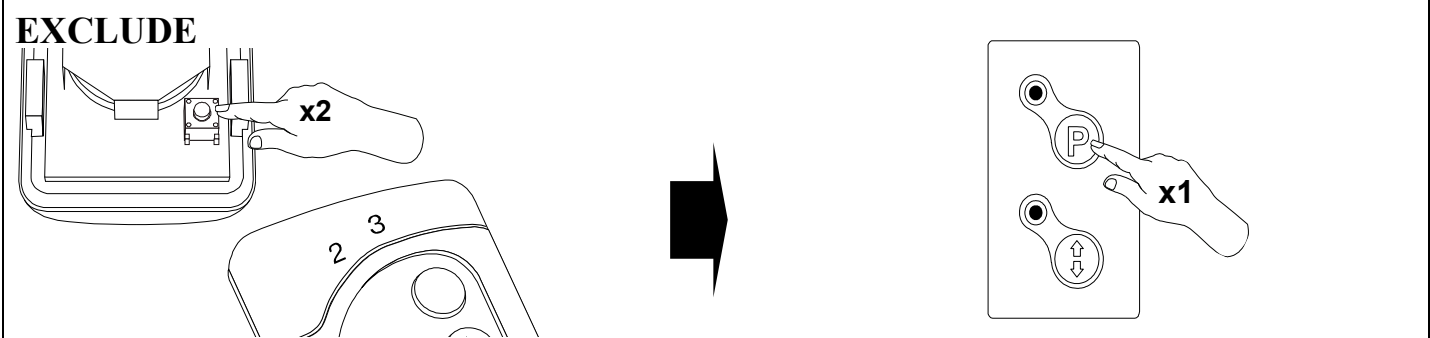
3. Device programming

Detailed programming instructions are contained in the User's Manual for the controller purchased. For associating devices with controller, the “programming button” should be used (*Figure 1, No.2*) which has the following functions:

- Device adding (“*INCLUDE*” function) or removing (“*EXCLUDE*” function) to/from the Z-Wave network;
- Device associating (“*ASSOCIATE*” function) or deleting (“*DELETE*” function) with/from selected **control buttons** of the controller.

Other manufacturers may use different programming sequences.

EXCLUDE

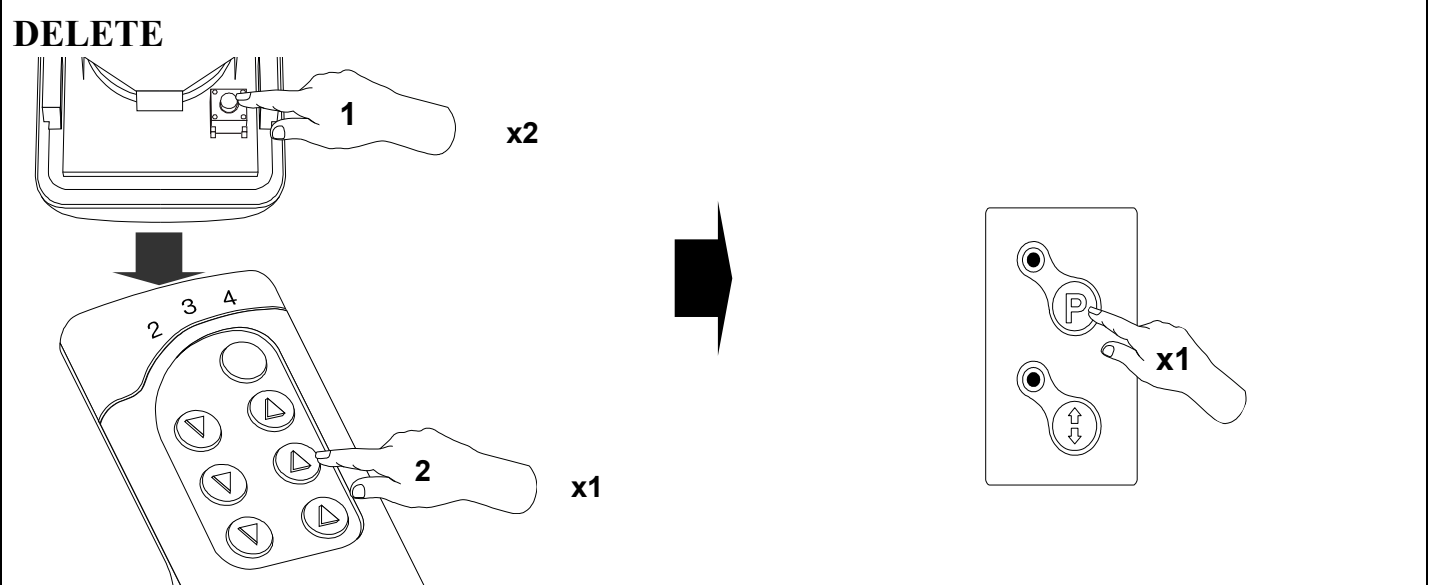


1. Within 1 sec. press “**In/Ex**” button twice. The controller is signaling readiness for device excluding from the network (two middle LEDs on for 10 sec.).

2. Press “**P**” button on the device and hold it for 0.5 sec.

Figure 5: Excluding device from Z-Wave network.

DELETE



1. Within 1.5 sec., press:
- “**In/Ex**” button (**1**) twice and then
- button from this pair of buttons which operate the device to be deleted (e.g. **2**).
The controller is signaling readiness for device deleting (three LEDs on for 10 sec.).

2. Press “**P**” button on the device and hold it for 0.5 sec.

Figure 6: Deleting roller shutter from selected pair of controller buttons.

4. Manual operating

The “ *manual operating button* ” (see Figure 1, item 4) allows manual control of the motor unit right after the power is supplied. In order to control the shutter manually, press the manual control button twice within 1.5 sec. Manual control works in a sequential mode, e.g.

1. First “double-pressing” the button starts the roller shutter armour.
2. Second “double-pressing” the button stops the roller shutter armour.
3. Third “double pressing” the button starts the roller shutter armour in the opposite direction.

5. Technical parameters

Technical parameters	
<i>Parameter</i>	<i>ARZ Z-Wave motor</i>
Power voltage	12V DC
Rated current	1.4 A
Speed	23 r.p.m
Working temperature	(-10°C) to (65°C)
Power cable	2 x 0.75 mm ²
Weight	0.850 kg

6. Signaling description – LEDs

<i>Motor working status (see Fig. 1)</i>		<i>Network status (see Fig. 1)</i>	
Single LED flashing	Current consumed by the roller shutter's motor is too low	LED on continuously	The device has not been associated with any network, i.e. remote control of the device is not possible. This LED always comes on after connecting the power supply to a brand new motor. It is switched off the moment the device is added to a network with the use of “INCLUDE” function.
Triple LED flashing	Current consumed by the roller shutter's motor is too high. Check calibration of the motor. Description of limiters' adjustment is contained in the Installation Manual of the shutter under section “A”.		

7. WARRANTY

The manufacturer guarantees correct device functioning. It also undertakes to repair or replace the device if its defects result from material or structural faults. The warranty period is 24 months from the purchase date, fulfilling the following conditions:

- Installation has been performed by an authorised individual, as per manufacturer recommendations.
- Seals remain intact and no unauthorised 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..

Quality Certificate:

Device

Model.....

Serial Number.....

Seller.....

Address.....

Date of Purchase.....

.....
Signature (stamp) of installing person

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