

POWER SUPPLY



**ZZ60h**

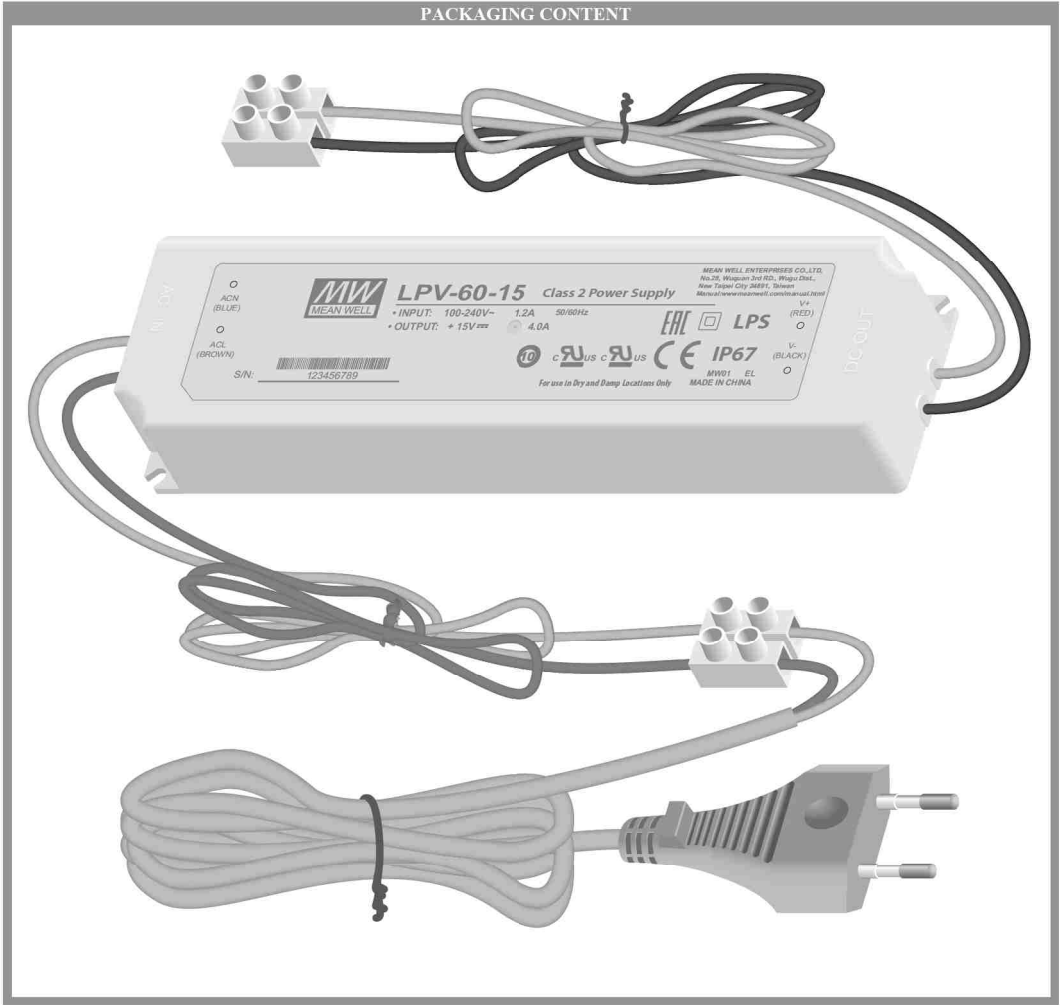


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Dear Sir/Madam! Thank you for purchasing the product from FAKRO. We do hope that it will meet your expectations. To ensure appropriate functioning of the product, please peruse this User Manual.

### PACKAGING CONTENT



## POWER SUPPLY DESCRIPTION

The ZZ60h power supply is designed to supply electrically operated accessories for windows. Several devices with a total power not exceeding 60W can be connected to it. The power supply is resistant to weather conditions and has overvoltage and overload protections.

TECHNICAL SPECIFICATION			
<b>Dimensions:</b> 162.5/42.5/32 mm <b>Protection class:</b> IP67 <b>Working temperature:</b> -30 to +70°C	<b>Power voltage:</b> 90 ~ 264V AC <b>Voltage tolerance:</b> +/- 5% <b>Frequency range:</b> 47 ~ 63Hz	<b>Rated voltage:</b> 15V DC <b>Rated power:</b> 60W <b>Current range:</b> 0 ~ 4A <b>Rated current:</b> 4A	<b>Efficiency:</b> 83% <b>Overload:</b> 110 ~ 150% <b>Overvoltage:</b> 17,25 ~ 20,25V

## SAFETY RULES



The power supply is powered by hazardous voltage of 90-264V AC!

It is required to observe the following recommendations when installing the ZZ60h power supply:

- This equipment is not designed for use by people (including children) with limited physical, sensory or mental ability, or by people that do not have experience or knowledge of the equipment, unless it is done under supervision or according to the product original user manual provided by a person responsible for their safety. Do not allow children to play with the equipment.
- After unpacking, check the power supply elements for any signs of mechanical damage.
- Installation should be carried out in accordance with manufacturer's instructions by a qualified professional.
- Before connecting the power supply make sure that the supply voltage corresponds with the voltage specified on the data plate.
- Plastic containers used for packing should be stored out of children reach as they may be a potential source of danger.
- The power supply should be used according to its intended design. FAKRO shall not be responsible for any consequences being the result of improper power supply use.
- Electric parts must not be washed using solvent-based substances or open stream of water (do not immerse them in water).
- Any repairs of the window should be carried out by service authorised by the manufacturer.
- The power cable cross-section should increase as the length of these cables increases. A cross-section of 2x1mm<sup>2</sup> is assumed for 30 metres.

## WIRING DIAGRAM

Connect the power supply in accordance with the diagram below.



## EXAMPLE OF APPLICATION

Below is an example of using the ZZ60h power supply. The table shows the maximum number of accessories that can be connected to one power supply.

TYPE	RATED VOLTAGE	MAXIMUM POWER	POWER SUPPLY CAPACITY	NUMBER OF ACCESSORIES PER POWER SUPPLY
AMZ Z-Wave	15V DC	25W	60W	2
ARZ Z-Wave	15V DC	25W	60W	2
ARF Z-Wave	15V DC	10W	60W	6
ARF/D Z-Wave	15V DC	10W	60W	6
ARP Z-Wave	15V DC	10W	60W	6
AJP Z-Wave	15V DC	12W	60W	5
ZWS12	15V DC	12W	60W	5

## 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.

Producent:  
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Quality certificate:

Device \_\_\_\_\_

Model \_\_\_\_\_

Serial number \_\_\_\_\_

Seller \_\_\_\_\_

Address \_\_\_\_\_

Purchase date \_\_\_\_\_

Invoice No. \_\_\_\_\_

Signature (stamp) of person installing a device