

# ledix

12 V DC / 15 W junction box power supply

## ZNP-15-12



zaMeL cet

230 V AC



# ledix

Junction box  
power supply



ZNP-15-12

ZNP-15-12 junction box power supply is a professional impulse power supply with 12 V DC output voltage and 15 W nominal power. The power supply is designed to cooperate with LEDIX products such as radio controllers and radio receivers and other LED products supplied with 12 V DC. It is designed for a direct mounting in a Ø60 junction box. The device has a short-circuit and overload protections, which increase the safety of its use. Its high efficiency and a very low power consumption in the standby mode makes it a very economical solution, designed for continuous operation. The power supply meets the requirements of the harmonised standards.

Characteristic features:

- 12 V DC nominal output voltage, 15 W nominal power,
- small dimensions - suitable for mounting in a typical Ø60 junction box,
- low power consumption in the standby mode (0.25 W),
- efficiency at the level of 79%,
- high stability of the output voltage with input voltage or load changes,
- protections: short-circuit, overload,
- wide ambient temperature range: -10 to 50 ° C,
- long-term operation reliability,
- output connecting cables 150 mm long.

The power supply cooperates with:

- LED standard products supplied with 12 V DC,
- LED controllers and radio receivers supplied with 10-14 V DC.

**CAUTION:**

The total power of lighting fittings or of the devices cooperating with the power supply must not exceed 15 W.

zaMeL cet

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230 V AC / 15 W IP20

weight: 100 g

PN-EN 61204-3

PN-EN 55022

PN-EN 61000



The symbol means selective collecting of electrical and electronic equipment. It is forbidden to put the used equipment together with other waste.

Declaration of Conformity is on [www.ledix.pl](http://www.ledix.pl)

ZNP-15-12 ENG Ver. 01

www.ledix.pl

## DESCRIPTION

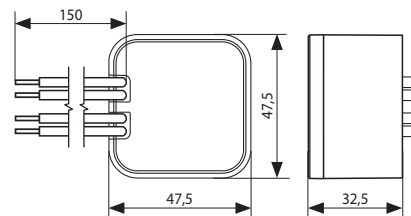
ZNP-15-12 power supply is a professional impulse power supply with 12 V DC output voltage and 15 W nominal power. The power supply is designed to cooperate with LEDIX products such as radio controllers and radio receivers and other LED products supplied with 12 V DC. It is designed for a direct mounting in a Ø60 junction box. The device has a short-circuit and overload protections, which increase the safety of its use. Its high efficiency and a very low power consumption in the standby mode makes it a very economical solution, designed for continuous operation. The power supply meets the requirements of the harmonised standards. The features of the power supply:

- 12 V DC nominal output voltage, 15 W nominal power,
- small dimensions - suitable for mounting in a typical Ø60 junction box,
- low power consumption in the standby mode (0,25 W),
- efficiency at the level of 79%,
- high stability of the output voltage with input voltage or load changes,
- protections: short-circuit, overload,
- wide ambient temperature range:  $-10 \div +50 \text{ }^{\circ}\text{C}$ ,
- long-term operation reliability,
- output connecting cables 150 mm long.

## TECHNICAL DATA

Nominal output voltage:	12 V DC
Nominal output current:	1,25 A
Nominal output power:	15 W
Output voltage tolerance:	5%
Output voltage ripples:	80 mV <sub>pp</sub>
Output voltage time increase:	10 ms
Output voltage time adjustment:	20 ms
Nominal input voltage:	230 V AC
Input voltage tolerance:	$-10 \div +15\%$
Nominal frequency:	50 Hz
Efficiency:	$79 \div 80\%$
Power consumption (standby):	0,25 W
Starting current:	20 A
Protections:	short-circuit, overload
Ambient temperature range:	$-10 \div +50 \text{ }^{\circ}\text{C}$
Mounting:	In a Ø60 junction box
Casing protection degree:	IP20
Protection class:	II
Dimensions:	47,5 x 47,5 x 32,5 mm
Weight:	100 g
Reference standard:	PN-EN 61204-3; PN-EN 55022; PN-EN 61000

## DIMENSIONS



## FAMILY OF PRODUCTS

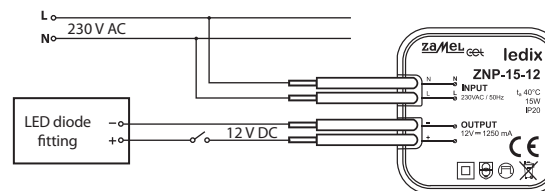
### ZNP-XX-XX

Nominal output voltage:  
12 – 12 V  
14 – 14 V

Nominal output power:  
2 – 2 W  
8 – 15 W  
15 – 15 W

Symbol (series)

## DIAGRAM



## MOUNTING

**CAUTION!** The device is designed for single-phase installation and must be installed in accordance with standards valid in a particular country. Installation, connection and control should be carried out by a qualified electrician staff, who act in accordance with the service manual and the device functions.

1. Disconnect power supply by the phase fuse, the circuit-breaker or the switch-disconnector combined to the proper circuit.
  2. Check if there is no voltage on connection cables by means of a special measure equipment.
  3. Connect the output cables in accordance with the connection diagram.
  4. Mount the ZNP-15-12 in the Ø60 junction box.
  5. Switch on the power supply from the mains.
- When connecting fittings or devices to ZNP-15-12 power supply pay attention to a correct polarity of the output cables.
  - Total power capacity can not exceed the nominal power of the power supply.