

ledix

12 V DC / 15 W junction box power supply

ZNP-15-14



ZNN-15-14 power supply is a professional impulse power supply with 14 V DC voltage stabilizer. It is designed for surface mounting. The nominal power output is 15 W. The power supply is recommended to supply the devices belonging to the LEDIX group (controllers, radio receivers) supplied with 14 V DC. The product has a short-circuit and overload protection, 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 harmonized standards.

Characteristic features:

- 14 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: $-10 \div +50$ °C,
- long-term operation reliability,
- output connecting cables 150 mm long.

The power supply cooperates with:

- LEDIX series LED diode fittings supplied with 14 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

230 V AC



ledix

Junction box
power supply



ZNP-15-14



A detailed mounting instruction is in the packaging

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.



14 V DC 15 W junction box LED power supply
TYPE: ZNP-15-14



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Declaration of Conformity is on www.ledix.pl

ZNP-15-14 ENG Ver. 02

www.ledix.pl

DESCRIPTION

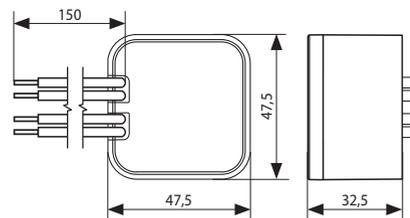
ZNP-15-14 power supply is a professional impulse power supply with 14 V DC output voltage and 15 W nominal power. The power supply is designed to supply the LEDIX series fittings and LEDIX devices such as radio controllers, radio receivers, RGB amplifiers, etc. It is designed for a direct mounting in a 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:

- 14 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:	14 V DC
Nominal output current:	1,07 A
Nominal output power:	15 W
Output voltage tolerance:	5%
Output voltage ripples:	80 mV _{pp}
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

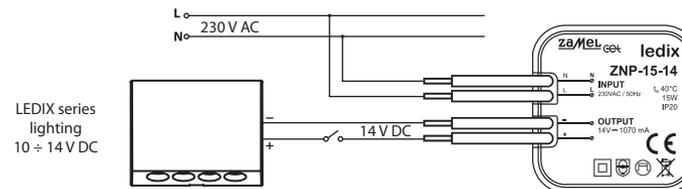
ZNP-XX-XX

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-15-14 in the Ø60 junction box.
 5. Switch on the power supply from the mains.
- When connecting fittings or devices to ZNP-15-14 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.