

ledix

12 V DC / 8 W junction box power supply

ZNP-08-12



zameL cet

230 V AC



ZNP-08-14 junction box power supply is a professional impulse power supply with 12 V DC output voltage and 8 W nominal power. The power supply is designed to cooperate with LEDIX products such as controllers and radio receivers and other LED products supplied with 12 V DC. 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.

Characteristic features:

- 12 V DC nominal output voltage, 8 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:

- 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 8 W.

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Junction box power supply



ZNP-08-12

A detailed mounting instruction is in the packaging

zameL cet

Cet Lighting Sp. z o.o.

PL 43-200 Pszczyna, ul. Zielona 27, Poland

tel: +48 32 449 15 00, fax: +48 32 449 15 02

e-mail: ledix@ledix.pl, www.ledix.pl

230 V AC / 8 W IP20

weight: 74 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.



12 V DC 8 W junction box LED power supply

TYPE: ZNP-08-12



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Declaration of Conformity is on www.ledix.pl

ZNP-08-12 ENG Ver. 02

www.ledix.pl

DESCRIPTION

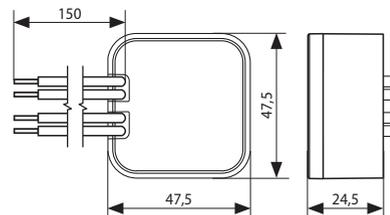
ZNP-08-12 power supply is a professional impulse power supply with 12 V DC output voltage and 8 W nominal power. The power supply is designed to cooperate with LEDIX products such as radio controllers and receivers and other LED products supplied with 12 V DC. It is designed for a direct mounting in 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:

- 12 V DC nominal output voltage, 8 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.

TECHNICAL DATA

| | |
|---------------------------------|---|
| Nominal output voltage: | 12 V DC |
| Nominal output current: | 0,65 A |
| Nominal output power: | 8 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: | $-10 \div +50$ °C |
| Mounting: | In a Ø60 junction box |
| Casing protection degree: | IP20 |
| Protection class: | II |
| Dimensions: | 47,5 x 47,5 x 24,5 mm |
| Weight: | 74 g |
| Reference standard: | PN-EN 61204-3; PN-EN 55022; PN-EN 61000 |

DIMENSIONS



FAMILY OF PRODUCTS

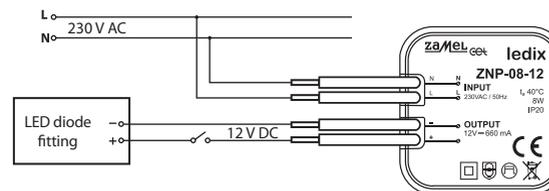
ZNP-XX-XX

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

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

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-08-12 in the Ø60 junction box.
 5. Switch on the power supply from the mains.
- When connecting fittings or devices to ZNP-08-12 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.