

ledix



12 V DC / 2 W junction box power supply ZNP-02-12



ZNP-02-12 junction box power supply is a professional impulse power supply with 12 V DC output voltage and 2 W nominal power. The power supply is designed to cooperate with standard LED products supplied with 12 V DC and with LEDIX series radio controllers and receivers. It is designed for a direct mounting in a junction box.

Characteristic features:

- 12 V DC nominal output voltage, 2 W nominal power,
- 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.

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 2 W.

A detailed mounting instruction is in the packaging

zaMEL cet

230 V AC

ledix

12 V DC / 2 W
junction box power supply

ZNP-02-12

12V DC

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 / 2 W IP20

weight: 30 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 2 W junction box LED power supply

TYPE: ZNP-02-12



Declaration of Conformity is on www.ledix.pl

ZNP-02-12 ENG Ver. 02

www.ledix.pl

DESCRIPTION

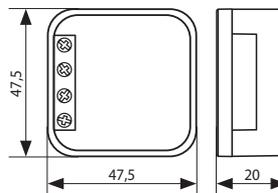
ZNP-02-12 power supply is a professional impulse power supply with 12 V DC output voltage and 2 W nominal power. The power supply is designed to cooperate with LEDIX products such as radio controllers and receivers and other LED products supplied with 12 V DC. It is designed for a direct mounting in 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, 2 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,
- terminal connection.

TECHNICAL DATA

Nominal output voltage:	12 V DC
Nominal output current:	0,165 A
Nominal output power:	2 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 ÷ 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 20 mm
Weight:	30 g
Reference standard:	PN-EN 61204-3; PN-EN 55022; PN-EN 61000

DIMENSIONS



FAMILY OF PRODUCTS

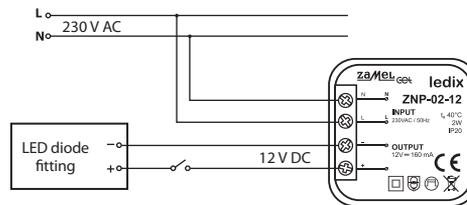
ZNP-XX-XX

Nominal output voltage:
12 - 12 V
14 - 14 V

Nominal output power:
2 - 2 W
8 - 8 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-02-12 in the Ø60 junction box.
5. Switch on the power supply from the mains.

- When connecting fittings or devices to ZNP-02-12 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.