ledix

SCAN

the technical data

A detailed mounting instruction is in the packaging

Junction box RGB amplifier

WLP-01

ø60 Mounting in a Ø60 junction box

Mounting indoor only

The WLP-01 amplifier is dedicated for cooperation with RGB controllers. It is used when load output of lighting RGB products exceeds the maximum current output load of RGB controller. The amplifiers are used also to synchronise all modules included in RGB installation what is especially important in wide RGB networks. Characteristic features:

- increasing of RGB controllers outputs (up to 2,5 A per output),
- low power consumption during the standby mode (0,1 W) - the devices are suitable to continuos operation,
- adapted to build a serial and parallel RGB installations,
- in installations where RGB controllers and several amplifiers are powered from dedicated power supplies with WLP-01 amplifier, it is not necessary to connect power supplies to the common potential (connecting of power supplies with „-" potential) what greatly simplifies the creation of wide RGB installations.

The WLP-01 amplifier cooperates with:

- RGB controllers, for example SLR-11, SLR-12, SLR-13,
- lighting fittings LEDIX series, LED strips and RGB modules in connection with RGB controller.

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**

10÷14 V DC / 0,1 W; IP20
weight: 27 g

III CE

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

PET

Junction box RGB amplifier
TYPE: WLP-01

5 903669 053101

Declaration of Conformity is on **www.ledix.pl**

WLP-01 ENG Ver. 01

zamel cet

10÷14VDC

ledix

Junction box RGB amplifier

WLP-01

www.ledix.pl

DESCRIPTION

The WLP-01 amplifier is dedicated for cooperation with RGB controllers in installation supplied by 10 ÷ 14 V DC voltage. It is used when load output of lighting RGB products exceeds the maximum current output load of RGB controller. The amplifier is used also in very long RGB installations to synchronise all connected modules. WLP-01 has three MOSFET outputs with maximum continuos capacity of 2,5 A. It is distinguished by small dimensions and possibility to mount in Ø60 mm junction boxes. The amplifier's features are:

- increasing of RGB controllers current capacity,
- ensuring synchronous operation of all modules in wide RGB installations,
- possibility to create a serial and parallel RGB installations,
- low power consumption during stand-by mode (0,1 W) - the devices are suitable to continuos operation.

TECHNICAL DATA

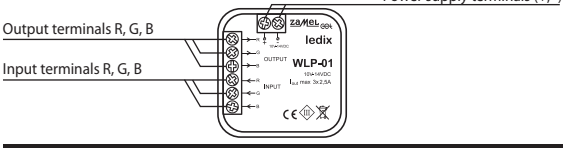
Nominal supply voltage:	10 ÷ 14 V DC
Nominal power consumption:	0,1 W
Number of inputs / outputs:	3 (RGB)
Maximum output capacity:	2,5 A
Number of connection terminals:	8
Maximum cross-section of connection cables:	up to 2,5 mm^2
Ambient temperature range:	-10 ÷ +55 °C
Operating position:	free
Mounting:	In a Ø60 junction box
Casing protection degree:	IP20
Protection class:	III
Dimensions:	47,5 x 47,5 x 20 mm
Weight:	27 g
Reference standard:	PN-EN 60669; PN-EN 61000

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.

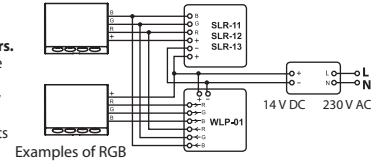
1. Disconnect power supply by the phase fuse, the circuit-breaker or the switch- disconnector combined to the proper circuit.
2. Check if there is no voltage on connection cables by means of a special measure equipment.
3. Connect the power supply to 230 V AC.
4. Connect the cables to proper terminal clamps of WLP-01 amplifier in accordance with the connection diagram (diagram No. 1÷3).
5. 5. Install amplifier in the installation junction-box Ø60 mm.
6. Switch on the power supply from the mains and check the proper functioning of the device.

APPEARANCE



DIAGRAMS

DIAGRAM 1.
Common power supply of RGB controller and amplifiers.
There is necessary to use once central power supply in the installation. The power supply output capacity is adjusted to total power of all RGB products including controller and amplifiers.



Examples of RGB lighting fittings LEDIX series

DIAGRAM 2.
Individual power supply of RGB controller and amplifiers.
There is not necessary to connect power supplies to the common potential (connecting of power supplies with „-" potential) what greatly simplifying RGB installations.

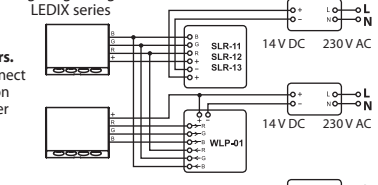


DIAGRAM 3.
Serial installation „chain" type.
There is not necessary to connect power supplies to the common potential (connecting of power supplies with „-" potential) what greatly simplifying RGB installations.