

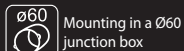
ledix



the technical data

Monochrome LED controller 1 ÷ 10 V

SLR-02



Mounting in a $\varnothing 60$ junction box



Mounting indoor only



Cooperation with a potentiometer in 1÷10 standard

SLR-02 controller is designed for cooperation with light sources equipped with monochrome LED diodes and supplied with 10 ÷ 14 V DC. The wired control system is working together with the potentiometer working within the 1÷10 standard.

Characteristic features:

- to carry out switching on/switching off function or brightening/dimming function in cooperation with potentiometer working within the 1÷10 standard,
- to switch off the lighting by turning of the potentiometer up to minimum,
- 1 transistor output (MOSFET) with maximum current capacity of 3A,
- to easy adapt and control LED products supplied with 10 ÷ 14 V DC and the systems with a dimmer working within the 1÷10 V standard,
- low power consumption in the standby mode (0.3 W) – controller is designed for continuous operation.

The controller is working together with:

- monochrome LED standard fittings of LEDIX series,
- monochrome LED tapes,
- other LED products supplied with 10 ÷ 14 V DC.

zaMEL cet

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10 ÷ 14 V DC / 0,3W; IP20

weight: 25 g



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

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10 ÷ 14 V DC

ledix

Monochrome LED controller 1 ÷ 10 V

SLR-02

Declaration of Conformity is on www.ledix.pl

SLR-02 ENG Ver. 01

www.ledix.pl

DESCRIPTION

SLR-02 controller is designed for cooperation with monochrome standard LED lamps and with other LED products supplied with 10÷14 V DC (monochrome tapes, LED strips and modules, LED lamps). The controller controls following functions in a connection with the potentiometer working within the 1÷10 standard: switching on/ switching off, brightening/dimming of the light source connected with its output.

The controller features:

- to control monochrome LED standard fittings of LEDIX system,
- to control other monochrome LED products supplied with 10÷14 V DC,
- to carry out the functions: switching on/ switching off and brightening/dimming,
- wired control system in connection with a potentiometer working within the 1-10 standard,
- PWM output of the MOSFET transistor – maximum current capacity of 3 A,
- 9-bit fast PWM outputs allow the brightening /dimming function to be very fluent,
- low power consumption in the standby mode (0.3 W) – controller is designed for continuous operation (ECOLINE).

OPERATION

Switching on is carried out as fluent brightening by turning of the potentiometer to the maximum. Switching off is carried out as fluent dimming by turning of the potentiometer in the minimum. Brightening/dimming – turning by means of a potentiometer to maximum / minimum.

TECHNICAL DATA

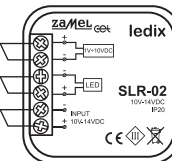
Nominal supply voltage:	10 ÷ 14 V DC
Nominal power consumption:	0,3 W
Number of channels:	1
Maximum current in the channel:	3 A
Controlling signal:	PWM 9-bit
Control:	A potentiometer in 1 ÷ 10 V standard
Functions:	Switching on/switching off Brightening/dimming
Number of connection terminals:	6
Maximum cross-section of connection cables:	do 2,5 mm ²
Ambient temperature range:	-10 ÷ +55 °C
Working 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:	25 g
Reference standard:	PN-EN 60669; PN-EN 61000

APPEARANCE

Terminals for connection with a potentiometer 1 ÷ 10 V DC standard

Output terminals (+, -)

Power supply terminals (+, -)

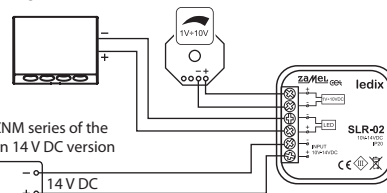


DIAGRAM

CAUTION!

Nominal output voltage of the power supply (10÷14 V DC) and its nominal output power must be adjusted for LED light source connected to the controller.

Example of the LEDIX series LED fitting



ZNP, ZNN or ZNM series of the power supply in 14 V DC version

MAXIMUM CURRENT CAPACITY:

- Up to 30 W for LED diode products supplied with 10 V
- Up to 36 W for LED diode products supplied with 12 V
- Up to 42 W for LED diode products supplied with 14 V

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-connector 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 the appropriate control terminals in accordance with the connection diagram.
5. Mount the controller in the Ø60 junction box.
6. Switch on the power supply from the mains and check their proper functioning.