

5. Technical characteristics

Power supply, Volt	5... 24
Maximum admissible current, Ampere	15
Maximum capacity of loading, at 12 Volts, Watt	180
Protection against short circuits	Yes
Protection class	IP 50
Overall dimensions, mm	56x37x7
Weight, g	50

6. Delivery set

Autodimmer "Sigma ADimmer"	1 piece
Passport	1 piece

7. Product service conditions

Temperature range from - 40°C to +40°C.

Relative humidity of air is 90 % (without concentration of moisture).

8. Manufacturer's guarantee

The manufacturer provides guarantee certificates for a product within 12 months from the date of sale.

Guarantee repair is not made in the cases of:

1. Expiration of product guarantee period;
2. Controller failure as a result of misconnection;
3. Damages caused by ingress of moisture, aggressive substances and liquids;
4. Excess of the maximum electric parameters;
5. In the presence of scratches of mechanical influences;
6. In the cases of independent repair, controller upgrading.

Serial number _____

Manufacturing date _____

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MAKS BRIGHT

PROFESSIONAL LED SOLUTIONS

USER MANUAL

Sigma ADimmer

AUTODIMMER

Made in Russia
www.maksbright.com

1. General instructions

Before operation of an autodimmer “Sigma ADimmer” is necessary to look through this passport. At acquiring this product it is necessary to check its completeness and compliance of markings on the product and in the enclosed user manual.

2. Short description of operation of an autodimmer “Sigma ADimmer”

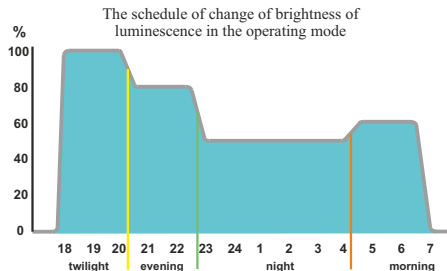
Autodimmer “Sigma ADimmer” is connected between the power unit and light-emitting diode loading (signs, show-windows, etc.) For operation of the autodimmer it is necessary to switch on an outdoor sign in the evening and switch it off in the morning.

Autodimmer memorizes the sign operating time. Then it computes its average operating time on the basis of which the algorithm of change of brightness according to the set program is defined. The economy of electricity is achieved by decrease of brightness of luminescence of a sign at different times: “twilight”, “evening”, “night”, “morning”.

3. Operating mode

Brightness in the standard operating mode:

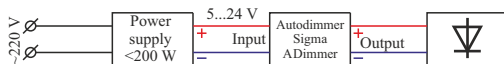
- “twilight” - 100 %;
- “evening” - 80 %;
- “night” - 50 %;
- “morning” - 60 %
- “average economy” - 35 %.



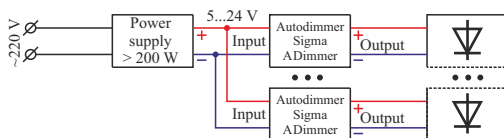
4. Connection scheme

Autodimmer “Sigma ADimmer” is connected between the power unit and light-emitting diode loading according to the following schemes depending on power unit capacity:

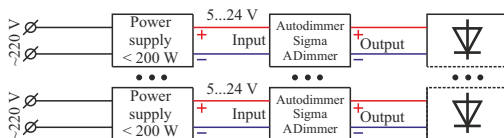
Scheme of connection No. 1 (power unit up to 200 W)



Scheme of connection No 2. (power unit over 200 W)



Scheme of connection No. 3 (some power units)



ATTENTION!!! Autodimmer “Sigma ADimmer” should not be used with light-emitting diode controller.