SLO310 is an electronic light transmitter that converts a lux measurement into an electric signal 0–10 V.
It has two sensitivity ranges to suit different light levels: 0–400 lx (e.g. for controlling outdoor lighting) and 0–20 klx (for controlling sunshade systems).

The transmitter is delivered as a complete unit, comprising the sensing element, an amplifier mounted in a housing, which is resistant to ultra-violet light.

The transmitter is intended for wall mounting outdoors.

The sensitivity peak is for light at an angle of incidence of 0° to the perpendicular. The sensor has the same spectrum sensitivity peak as the human eye.

The transmitter is delivered as a complete unit, comprising a junction box with amplifier and sensor.
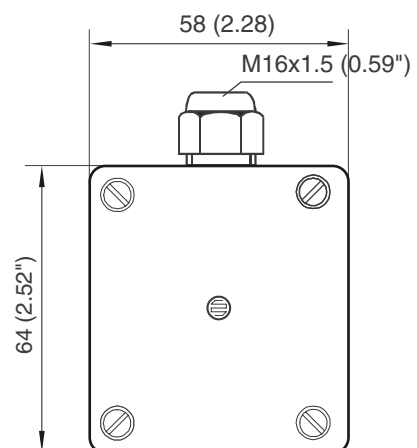
The transmitter shall be connected with a 3-wire cable.

TECHNICAL SPECIFICATION

Part number 0-069-2062-0
Range .... Jumper : 0–400 lx
Jumper: 0–20 klx
Signal output .... 0 – 10 V
Materials:
   Housing .... polyamide plastic
Enclosure rating .... IP 65
Dimensions (in mm) .... according to figure
Weight ..... 100 g, weight, incl standard packing, in brackets
Power .... 24 Vac +/- 10%, 15–36 VDC
Accuracy .... ±5%
        at ambient temp of 25 °C and U_G = 24 V DC
Wavelength at max. sensitivity .... 600 nm (standard light A/2854K color temp.)
Temperature dependence .... ±0.05%/°C
        at ambient temp. of 25 °C and U_G = 24 V
Load resistance .... > 50 kohm
Current consumption, typical:
   Range 0 -400 lx .... 8 mA
   Range 0 - 20 klx .... 13 mA
Ambient temperature .... min. -20 °C (-4 °F)
        max. +70 °C (158 °F)
Standards:
   EMC .... EN 50081-1, EN 50082-1

Dimensions in mm (inches)

58 (2.28)

M16x1.5 (0.59")

64 (2.52")
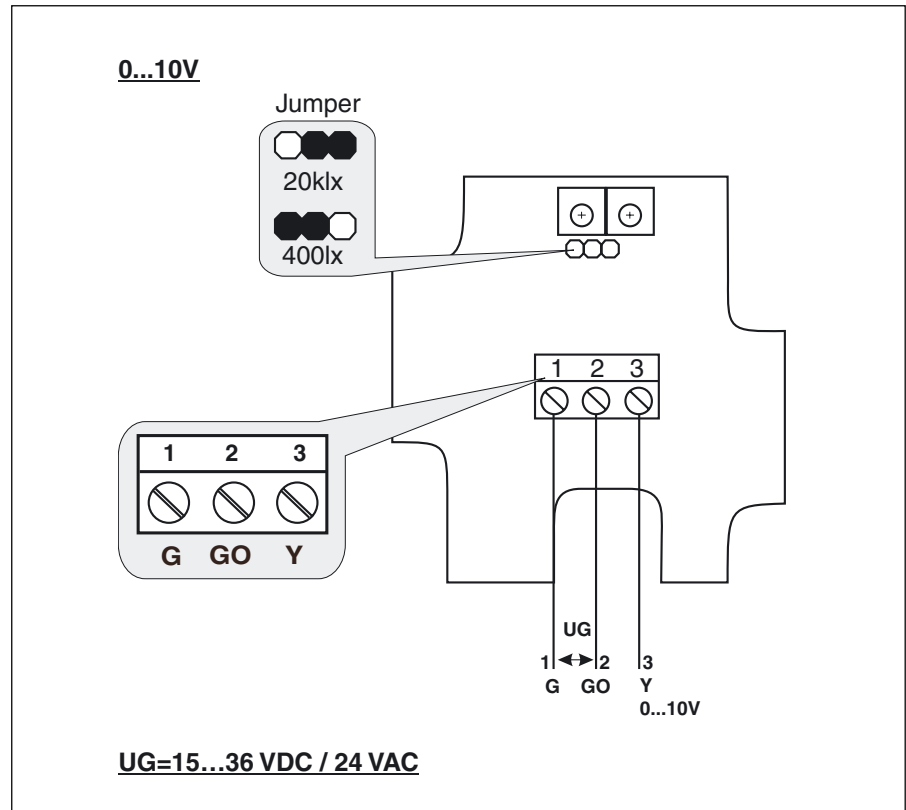
WIRING

Cable: 0.2-1.5 mm².

Note! Avoid contact with the sensor terminals if the connection wires are live.

0...10V

Jumper

20klx

400lx

1	2	3
⊘	⊘	⊘
G	**GO**	**Y**

UG

1	2	3
G	**GO**	**Y**
		0...10V

UG=15…36 VDC / 24 VAC

ADJUSTMENT

The unit is supplied ready calibrated with a specified range and precision.

No further calibration is normally required.

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