

# SLR320



## SPECIFICATIONS

|                            |                   |
|----------------------------|-------------------|
| Part Number . . . . .      | 006920630         |
| Range . . . . .            | N/A               |
| Jumper: 0-400 lx . . . . . | 0-400 lx          |
| Jumper: 0-20 klx . . . . . | 0-20 klx          |
| Signal Output . . . . .    | 4-20 mA or 0-10 V |

### Materials

|  |   |
|--|---|
| Housing . . . . .                        | polyamide plastic                                       |
| Enclosure Rating . . . . .               | IP 30   |
| Dimensions in mm . . . . .               | see Figure 1  |
| Weight . . . . .                         | 100 g,<br>weight includes standard packing, in brackets |
| Power. . . . .                           | 24 Vac +/- 10%. 15-36 Vdc                               |
| Accuracy . . . . .                       | +/- 5%<br>at ambient temp of 25° C                      |
| Wavelength at max. sensitivity . . . . . | 600 nm<br>(standard light A/2854K colour temp)          |
| Temperature Dependence . . . . .         | +/- 5%<br>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 . . . . .            | -20° C (-4° F)<br>to 70° C (158° F)                     |
| Standards: EMC. . . . .                  | EN 50081-1, EN 50082-1                                  |

## Room Light Transmitter

The SLR320 is an electronic light transmitter that converts a lux measurement into an electric current signal of 4–20 mA or a voltage signal of 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.

The transmitter is intended for wall mounting indoors.

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 connected with a 2-wire cable when configured for 4 to 20mA, which serves both as power supply and for signal transmission, and 3-wires for a 0 to 10Vdc output configuration.

**DIMENSIONS mm (in)**

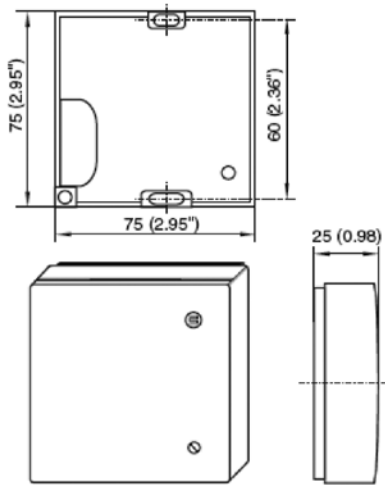


Fig1

**WIRING**

Cable: 0.2-1.5 mm<sup>2</sup>



**Note: Avoid contact with the sensor terminals if the connections are live.**

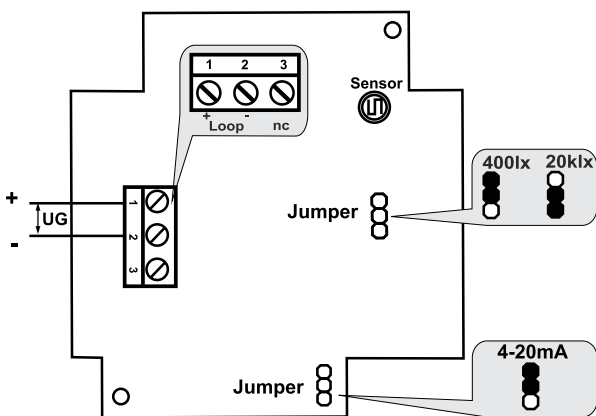
**ADJUSTMENT**

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

No further calibration is required.

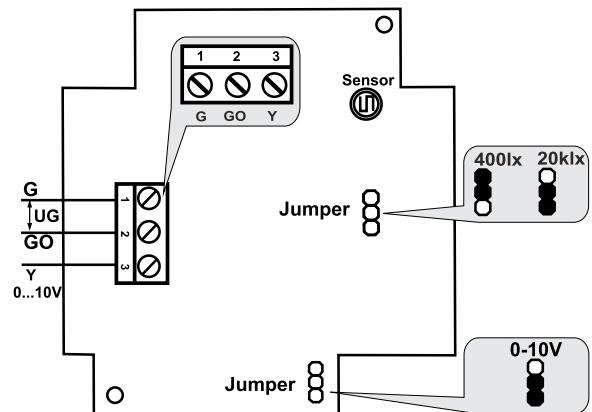
**WIRING**

**4...20mA**



**UG=15...36 VDC**

**0...10V**



**UG=15...36 VDC / 24 VAC**

