

Illumination and Temperature Transducer LX-LUX

The illumination and temperature transducer LX-LUX is an outdoor light level and temperature sensor. The product measures the intensity of light and temperature and converts the results into linear 0-10V output signals. The illumination transducer can be used for regulating and controlling lighting and heating systems according to the illumination and temperature of the surroundings.

Details

The product is housed in an IP54 surface-mounted box for outdoor installation. The range for the illumination measurement 0..1000 lux or 0...10000 lux (jumper selectable). Temperature is measured in a range of -50 °C to +50 °C.

The illumination transmitter is to be mounted in place where it is not affected by direct solar radiation or fast changes of luminance caused by outdoor lighting or traffic.

Order Code

LX-LUX

- Outdoor light level and temperature sensor
- Jumper selectable range for luminance
- 0-10V output signals for both measurements



Technical Data

Supply:	24Vac/dc (22...30Vac/dc) < 0,1VA
Outputs:	0-10V, < 1mA
Measuring Ranges:	Luminance 0...1000 lux or 0...10000 lux Temperature -50 ...+50 °C
Sensor Elements:	Fotodiod Pt1000 EN60751 B
Dimensions:	90mm (W) x 94mm (H) x 44mm (D)
Housing:	IP 54, cable gland downwards
Materials:	PBT, PC and PA