

LCN-LS65

Light Sensor in an IP65 Case

Functional Specifications:

The LCN light sensor measures the light intensity with the help of a photo element. The measured values are evaluated in the LCN bus module intergrated in the LCN-LS65. Depending on the parameters set, a control command is carried out at a brightness level stored in the bus module. Up to five different lighting levels can be distinguished.

The LCN-LS65 works self-suffiently and needs a power supply of 230V and the LCN data line for bus communication.



Description:

The LCN-LS65 is a light sensor with an integrated bus module. The evaluation of the signal is carried out in the LCN bus module.

The case is IP65 standardized and comes complete with the necessary assembly kit for wall- and pylon fixture.

Hardware equipment:

1 x LCN-UPP

1 x LCN-LSH

Field of application:

The LCN-LS65 is used as an outdoor dusk lighting switch. Additionally with the light sensor, automatic light regulation as a function of the daylight can be realized. Here, dimmable lights are controlled corresponding to the incoming daylight.

The parameters for the above functions are set in the bus module using the software LCN-PRO.

Note:

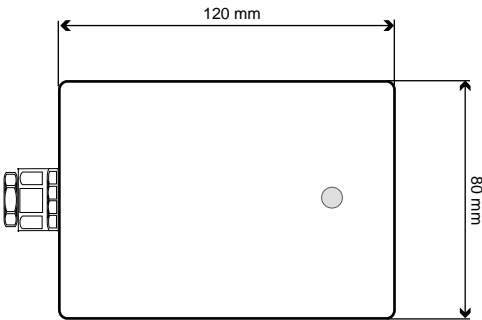
The IP65 case makes the LCN-LS65 optically not suitable for offices and residential rooms. Here the LCN-LSI or LCN-LSH is recommended.

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Measurements:

Dimensions (W x L x H): 120 mm x 80 mm x 50 mm



Assembly: screw fixture

Technical Data:

Connection:

Power supply: 230V~ ±15%, 50Hz
 Power capacity: <0,5W internal consumption,
 Connection power side: litz wires 0,75 mm²(with insulated pin terminals)

Sensor:

Record range: 10Lx bis 100.000Lx
 Resolution: 10 Bit
 Characteristic: logarithmic

Connection:

Wiring option: screwless
 Conductor type: massive or multi-phase (max.0,5mm²) or with insulated pin terminals (max.0,5mm²)

Connection length:

max.100m with a shielded cable (works-tuned up to 50m)

Ports:

T-Port: available / already in use
 I-Port: available
 P-Port: not available

General Details:

Operating temperature: -10°C bis +40°C
 Humidity: max. 80% rel., no condensation

Environmental conditions:

stationary installation according to VDE 632,VDE 637

Safety classification:

IP 65

Circuit Diagram

