

LCN-BMI

Passive-Infrared Motion Detector for LCN

Functional Specifications:

Operating Programme:

The motion sensor triggers a "hold" command to the bus module the moment motion is detected within it's field of view.
 If the object is only within the field of view for a short time < 2sec, the "release" command is then carried out after 4 seconds.
 If the object is registered over a longer period, the "release" command is carried out 8 seconds after the last detected motion.



Description:

The LCN-BMI is a PIR motion detector designed for use indoors. It must be connected to an intelligent bus module. It registers the changing thermal radiation of a (human) body as soon as the person passes the sensor.
 The LCN-BMI automatically sends status messages to the intelligent bus module without first setting parameters.

Field of application:

The motion detector LCN-BMI recognizes motion by thermal radiation emitted from the body. It is used for switching on various lighting (hallways, offices, toilets). Additionally, it can work as an alarm function in building surveillance.

Hardware equipment:

Jumper for the parallel operation of several LCN-BMIs

Case for wall or ceiling assembly IP 20

Cable with plug for the I-Port connection of the intelligent bus module

Note:

The LCN-BMI and LCN-B8x cannot be used on one module at the same time.

There is a maximum of 4 LCN-BMI to be operated and separately evaluated on one P-port.

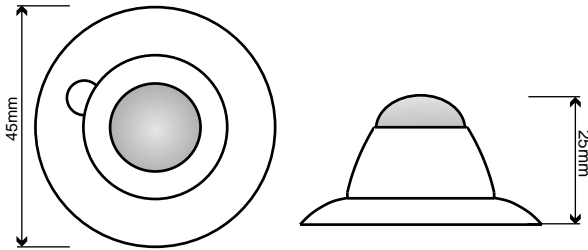
The position of the sensor essentially influences its sensitivity. It has to be installed in a way that warm parts of the body (face) cross over the individual fields of detection.

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Measurements:

Dimensions (∅ x H): 45 mm x 25 mm
Supply Cable: 300 mm



Technical Data:

Sensor:
 Range: max. 10m
 Mode of operation: PIR (passive infrared)
 Seizing range: 110°

General Details:
 Operating temperature: -10°C to +40°C
 Humidity: max. 80% rel., no condensation
 Environmental conditions: stationary installment according to VDE 632, VDE 637

Safety classification: IP 20

Assembly: Ceiling- or wall assembly on 35mm wall light connection box

Circuit Diagram

