



Lime Knx Presence Detector

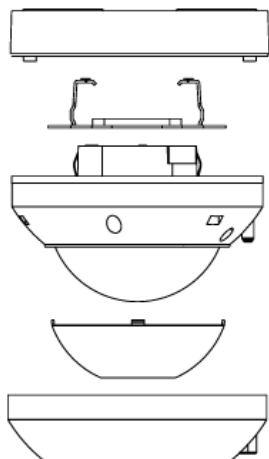
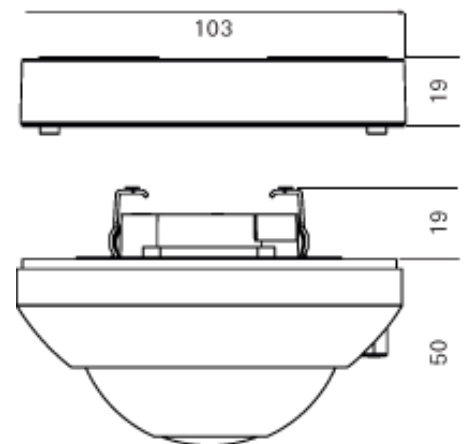
The Ceiling Presence Detector is installed on a ceiling and monitors an area below it. The device is used for the requirement-oriented control of lighting systems, room thermostats and other electrical consumers in interior rooms. Depending on the configuration, the device is operated for detecting motion (as a ceiling detector), evaluating presence (as a presence detector) and room surveillance (alert operation).

When used as a "ceiling detector", the device is normally installed in passageways of buildings for switching on the lighting automatically, as required. Lighting switched on by a ceiling detector is only switched off if there are no persons in the monitored area.

The application as a "presence detector" is normally used in areas where people spend longer periods of time (e.g. workplace as well as bathroom/toilet...) for controlling the lighting or heating/ventilation. The device can evaluate slightest motions in this application.

Unlike the ceiling detector functionality in brightness-dependent operation, brightness is evaluated continuously if the lighting is switched on, even during active motion detection. Thus, for example, lighting can be switched off when a defined brightness threshold is exceeded, e.g. by incoming daylight.

PIR-CPD-I



TECHNICAL DATA:

Mounting height:	2.2 m to 5 m
Detection angle:	360 °
Nominal reach at ground level	approx. ø 20 m (mounting height 3 m)
Nominal reach at desktop height	approx. ø 12 m (mounting height 3 m)
Brightness:	10 to 2000 lux
Room temperature:	-5 ° C to +45 ° C
Dimensions:	Al x at 103 x 50 mm
Mounting type:	Recessed or surface mounted (in combination with a surface-mounted housing)

PRODUCT CHARACTERISTICS

- Integrated bus coupling unit
- 3 PIR sensors
- Detection field 360° (3 x 120°)
- Integrated brightness sensor
- Deployed as presence detector, motion detector, or for alert operation
- Output functions: Switching, staircase function, switching with forced position, value transmitter, light scene extension, operating mode setting for room temperature controller
- Detection area extendible by parallel switching of several devices as main unit or extension unit
- Manual sensitivity adjustment
- Status LED: Flashes during motion detection; depending on programming in normal operation or only during the walking test mode

ADDITIONAL CHARACTERISTICS OF "UNIVERSAL" VERSION:

- Manual operation with IR remote control possible
- 5 function blocks for motion or presence detection each with 2 outputs
- Function blocks switchable, e.g. for day/night operation
- PIR sensors can be evaluated separately
- Brightness sensor function with 3 limiting values
- Light control with max. 3 channels, setpoint shift in operation, separate configuration of dimming-up, control and dimming-down phase
- Light control can be combined with presence detector function

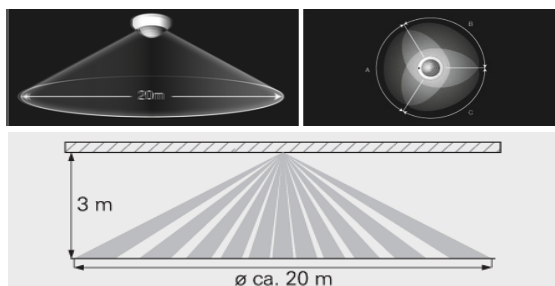
PRESENCE DETECTOR FUNCTION:

- Detection of the smallest motions e.g. at a workplace or detecting the presence of persons
- Switch on: Motion detection and brightness threshold not reached
- Switch off: No motion in the detection field and shut-off delay elapsed or brightness threshold exceeded

MOTION DETECTOR FUNCTION:

- Motion detection for passageways in buildings
- Switch on: Motion detection and brightness threshold not reached
- Switch off: No motion in the detection field and shut-off delay elapsed

After reacting and switching on, the motion detection works independently of the brightness.



How PIR sensors work



PIR movement sensors work by detecting the movement of body heat. Ideal for spaces where a defined detection pattern is required.

SIGNALLING MODE:

- Brightness-independent detection of motions in the detection field
- Switch on: After detection of an adjustable number of motions within the set monitoring period
- Switch off: No persons in the detection field and shut-off delay elapsed



SURFACE-MOUNTED HOUSING

for ceiling installation
(surface-mounted)
of presence detectors

Dimensions: diameter
103 mm, height: 19 mm

Production in Germany, certified according to iso-9001

Legal Notice

The content of this document may not be reproduced, distributed or stored in any form whatsoever, in whole or in part, without the prior written consent of Lime international.

This information is subject to change without notice or announcement and does not claim to be complete or correct.

KNX

This device complies with the KNX guidelines. Detailed knowledge of KNX and KNX training are a pre-condition for understanding and proper installation. Planning, installation and commissioning of the device are done with KNX-certified software.

Support

The standard support is provided by the e-mail address: Support@lime-smart.com