

This device is designed for lighting control in residential, commercial and industrial installations. Do not use this device for applications where malfunction may cause severe personal injury or loss of human life.

Read and follow the installation instructions:



**WARNING:** Risk of electrical shock, personal injury or death.

- This device must only be installed and put into operation by qualified personnel.
- Switch the mains Off before doing any electrical connections. Protect against inadvertent re-powering.
- Wiring installation and protections must be done according to local and national normatives.
- Do not modify or attempt to repair the unit. If the non-resettable fuse blows, the unit will have an internal failure and replacing the fuse will not solve the problem. This device does not contain serviceable parts.

## Installation procedure:

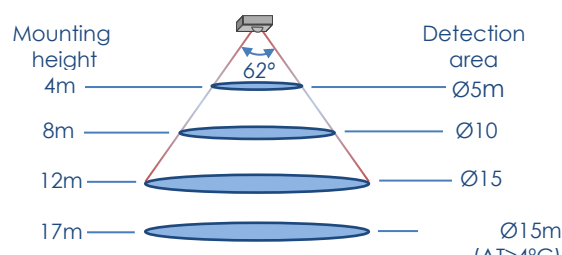
Plan where the sensor should be placed so that it will cover the required detection area.

The detection area depends on the mounting height. See Figure besides:

Do not install it at a higher mounting height than recommended.

For best operation of the light sensor in indoor applications, avoid placing the unit in front of windows or where exposed to direct sunlight.

This is a PIR based sensor and can be influenced by air currents. Avoid installing it close to HVAC outlets.



Unfasten the two screws of the front cover and open the unit. Two fixing holes at the corners can now be accessed.

Information about the distance between fixing holes is stamped on the back of the enclosure for reference. Fix the sensor to the ceiling. Use appropriate screws according to the type of surface. Note that if the ceiling or the sensor are tilted this will influence the presence detection coverage area.

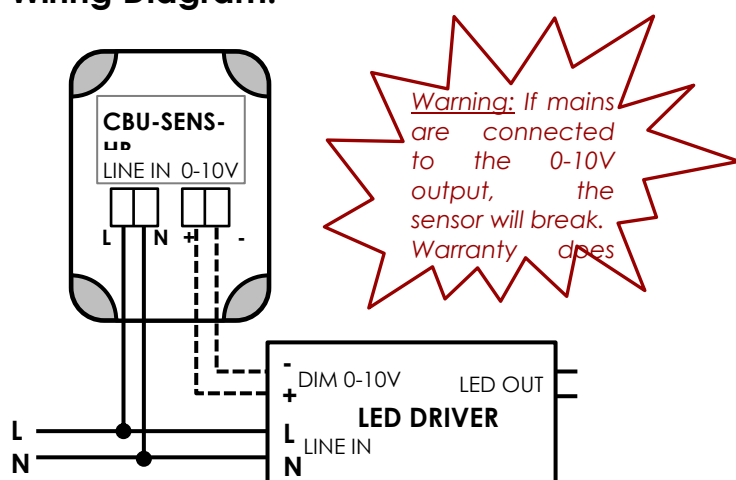
Feed the mains and control cable through the cable gland. Allow for 15cm length of spare cable to work comfortably. Tighten the cable gland.

Before connecting the wires, check for loose strands. Insert wires in the appropriate connectors and fasten the screws.

Follow the wiring diagram and double check that connections to the sensor are correct before powering on. If 0-10V control function will be used, respect the polarity of the 0-10V DIM output. 0-10V control line can control several LED drivers.

Place the front cover back in place and tighten the screws.

## Wiring Diagram:



## Technical data:

Line voltage	100 - 277Vac
Line frequency	47 - 63Hz
Maximum line current	<25mA@230Vac
Power consumption	<1W@230Vac
0-10V Output Current	5mA max. Sinking or Sourcing.
Wire section	Max. 2,5mm <sup>2</sup> (Solid or stranded)
Wire peeling length	6-8mm
Connector screw fastening torque	0,4Nm
Insulated cable diameter	6-12mm

**Configuration and settings** are done by use of free CASAMBI App (available for IOS and Android)  
Before linking the sensor to a Casambi net, the most adequate profile should be selected:

AVAILABLE PROFILES	DESCRIPTION
CAS-SENS PS-LS-TP-010Lin	Presence & Light Sensor, 0-10V controller with linear dimming curve. (Default profile)
CAS-SENS PS-LS-TP-010Log	Presence & Light Sensor, 0-10V controller with logarithmic dimming curve.
CAS-SENS PS-LS	Presence & Light Sensor
CAS-SENS PS-LS (NoLED)	Presence & Light Sensor. Presence detection LED is inhibited (LED will only work for manual identification of sensors during the commissioning)

Presence sensor linger time and fade time can be adjusted with the App.

Light sensor sensitivity, tolerance/threshold, calibration can also be adjusted with the App.

For best operating results the light sensor should be calibrated (use of a light meter is required for this). The recommended calibration procedure is as follows: First dim the installation lighting to the desired light level and after this is done, proceed to calibrate the light sensor with that same light level value.