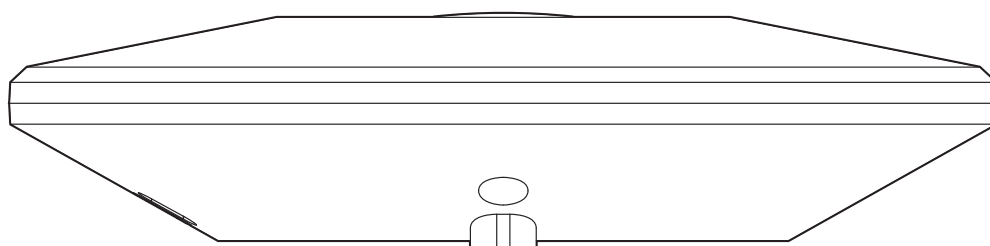


LEDVANCE LMS

Sensor Value Infrared

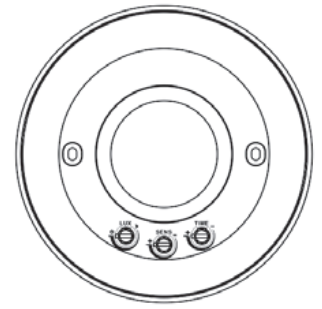
MS-SV-INF-CS-F-360-230V-IP20



LEDVANCE LMS Sensor Value Infrared

Product Features:

- Infrared motion sensor with integrated photocell sensing function can help to save power consumption via turn on and turn off the power according to its setting; It detects human motion within its detection range.
- motion sensor cannot receive the induction if there is glass, wood or metal materials in between within detection range;
- Selectable time delay period from 10 seconds to 10 minutes via knob switch;
- Selectable daylight sensing level from 10 lux to 2000 lux via knob switch.



Product Specification:

- Detection method: Infrared motion sensor with photocell integrated
- Power Input: 220-240V/AC
- Input Frequency: 50/60Hz
- Detection Range: 360°
- Installing Height: 2.2~4m
- Ambient Light (Selectable): <10-2000LUX
- Time-Delay (Selectable):
 - Min.:10sec±3sec;
 - Max.:10min±3min;
- Nominal Power Consumption: 0.9W
- Transmission Power: <10mW
- Maximum Rated Load:
 - 2000W (incandescent lamp)
 - 1000W (energy-saving / led-lamp)
- Detection Motion Speed: 0.6~1.5m/s
- Detection Distance (selectable): max. 2-6m (<24°C)

Selectable Functions via Knob:

- Selectable daylight luminance level: Sensing luminance level can work both in the daytime and at night when you select the “sun” position (max) via knob. It can work in the environment that the luminance is less than 10LUX when it is adjusted to the “moon” position (min). As for the adjustment pattern, please refer to the testing pattern.
- Selectable sensitivity (SENS) distance: Sensitivity can be adjusted according to application enquiry. Lowest sensitivity is with 2m detection diameter and highest sensitivity is with 6m which is suitable for large area.
- Time-Delay is added continually: When sensor receives the second induction signal after the first induction, it will perform the time delay period again according to the 2nd induction.
- Selective time delay period length: It can be set according to the consumer’s desire. The minimum delay period is 10sec±3sec. The maximum delay period is 10min±3min.

Installation Guide and product diagram

INSTALLATION ADVICE:

As the detector responds to changes of temperature, please avoid the following situations:

- Avoid directing the detector towards objects with highly reflective surfaces, such as mirrors etc.
- Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.
- Avoid directing the detector towards objects that may move in the wind, such as curtains, tall plants etc.



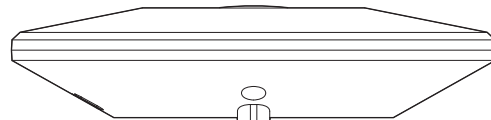
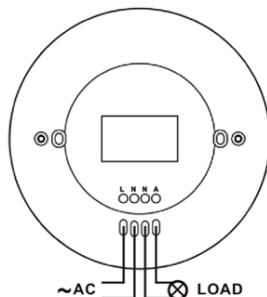
LEDVANCE LMS Sensor Value Infrared

How to Install:

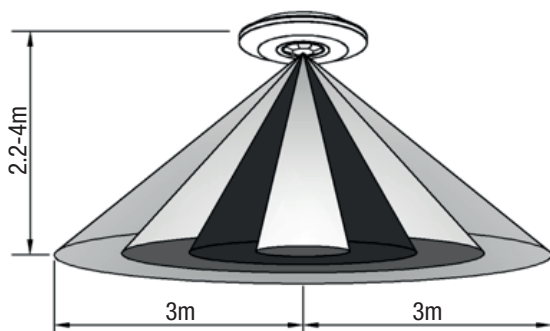
- Switch off the power.
- Please move the upper cover with anti-clockwise whirl as per the diagram on the right.
- Connect the power and the load according to the connection-wire diagram.
- Fix the bottom on the selected position with the inflated screw.
- Install back the upper cover on the sensor.
- Switch on the power and test it according to the testing guide.

Wire Connection diagram:

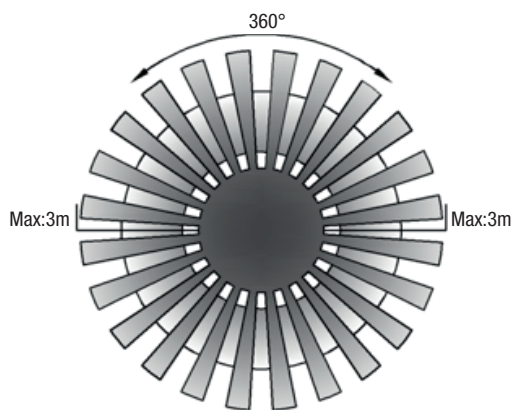
(See the right figure)
Connect L, N with power;
Connect N, A with load.



SENSOR INFORMATION



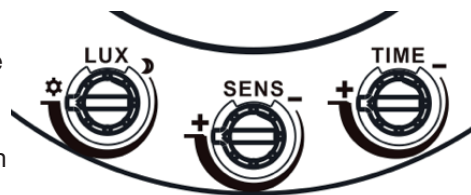
Height of installation: 2.2-4m



Detection Distance: Max. 6m

Testing Before Using:

- Turn the TIME knob anti-clockwise to the minimum (-). Turn the SENS knob clockwise to the maximum (+). Turn the LUX knob clockwise to the maximum (sun).
- When you switch on the power, the sensor and its connected lamp will have no signal at the beginning. After warm-up for 30sec, the sensor can start to work. If the sensor receives the induction signal, the lamp will turn on. If there is no another induction signal any more, the load should stop working within $10\text{sec} \pm 3\text{sec}$ and the lamp would turn off.
- Turn LUX knob anti-clockwise on the minimum (-). If the ambient light is more than 10LUX, the sensor would not work, and the lamp stop working too. If the ambient light is less than 10LUX (darkness), the sensor would work. The sensor should stop working after receiving no induction signals for $10\text{sec} \pm 3\text{sec}$.



Note: When testing in daylight, please turn LUX knob to ☀ (SUN) position, otherwise the sensor lamp could not work! If the lamp is more than 60W, the distance between lamp and sensor should be 60cm at least.

Basic Malfunctions Detection and Troubleshooting

- a. If the load cannot work:
 - a) Please check the power and the load.
 - b) Please check if the indicator light is turned on after sensing or not? If yes, please check the load.
 - c) If the indicator light does not turn on after sensing, please check if the working light corresponds to the ambient light.
 - d) Please check if the working voltage corresponds to the power source.
 - e) Please check if there is any glass, wood or metal material in the sensor detection range which block the sensor from receiving induction signal.
- b. The sensitivity is poor:
 - a) Please check if in front of the detection window there are any obstacles that disturb the signals receiving.
 - b) Please check the ambient temperature.
 - c) Please check if the signals source is in the detection fields.
 - d) Please check if the installation height is within the indicated height level.
 - e) Please check if the moving orientation is correct.
- c. The sensor can't turn off the load automatically:
 - a) Please check if there are continual signals in the detection fields.
 - b) Please check if the time delay is set to the longest.
 - c) Please check if the power input is following the instruction.
 - d) Please check if the environment temperature changes a lot due to its installation location is very close to air conditioners or central heater.

Warnings:

- a. The product should be installed by licensed electricians.
- b. The product should not be installed on any moving objects or surface.
- c. Please do not put any obstacles or unrest objects in front of the detection window to influence the detection.
- d. Please do not put the sensor near the area which is having tremendous changes of temperature such as air conditioner or central heater.
- e. Please don't open the case after installation.

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