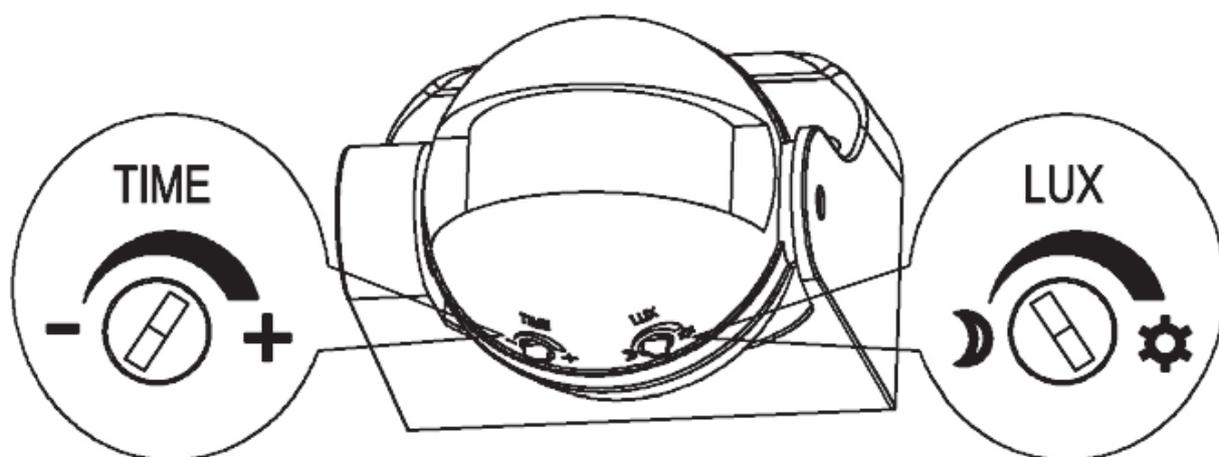


# LEDVANCE LMS

## Sensor Value Infrared

MS-SV-INF-WS-AD-180-230V-IP44-A



## LEDVANCE LMS Sensor Value Infrared

### Product Features:

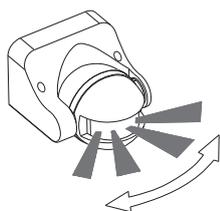
- Infrared motion sensor with integrated photocell sensing function can help to save power consumption via turn on and turn off the power according to its setting; It detects human motion within its detection range.
- Infrared motion sensor cannot receive the induction if there is glass, wood or metal materials in between within detection range;
- Selectable time delay period from 10 seconds to 7 minutes via knob switch;
- Selectable daylight sensing level from 10 lux to 2000 lux via knob switch.

### Product Specification:

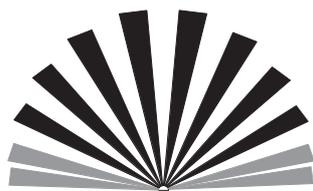
- Detection method: Infrared motion sensor with photocell integrated
- Working temperature:  $-20\sim+40^{\circ}\text{C}$
- Power Input: 220-240V/AC
- Input Frequency: 50/60Hz
- Detection Range:  $180^{\circ}$
- Installing Height: 1.8~2.5m
- Ambient Light (Selectable):  $<10\text{-}2000\text{LUX}$
- Time-Delay (Selectable):
  - Min.:  $10\text{sec}\pm 3\text{sec}$ ;
  - Max.:  $7\text{min}\pm 2\text{min}$ ;
- Nominal Power Consumption: 0.5W
- Transmission Power:  $<10\text{mW}$
- Maximum Rated Load:
  - 1200W (incandescent lamp)
  - 300W (energy-saving / led-lamp)
- Detection Motion Speed:  $0.6\sim 1.5\text{m/s}$
- Detection Distance (selectable): 8m max. ( $<24^{\circ}\text{C}$ )

### Selectable Functions via Knob:

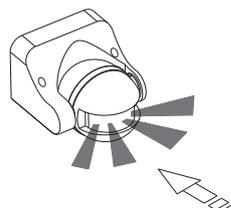
- Selectable daylight luminance level: Sensing luminance level can work both in the daytime and at night when you select the “sun” position (max) via knob. It can work in the environment that the luminance is less than 10LUX when it is adjusted to the “moon” position (min). As for the adjustment pattern, please refer to the testing pattern.
- 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  $10\text{sec}\pm 3\text{sec}$ . The maximum delay period is  $15\text{min}\pm 3\text{min}$ .



Good Sensitivity



Sensitivity



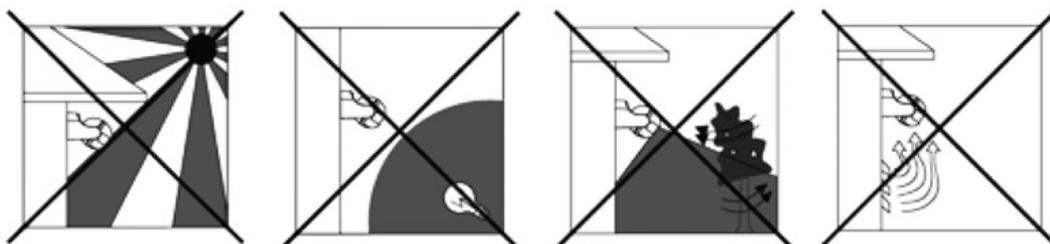
Poor Sensitivity

## Installation Guide and product diagram

### INSTALLATION ADVICE:

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

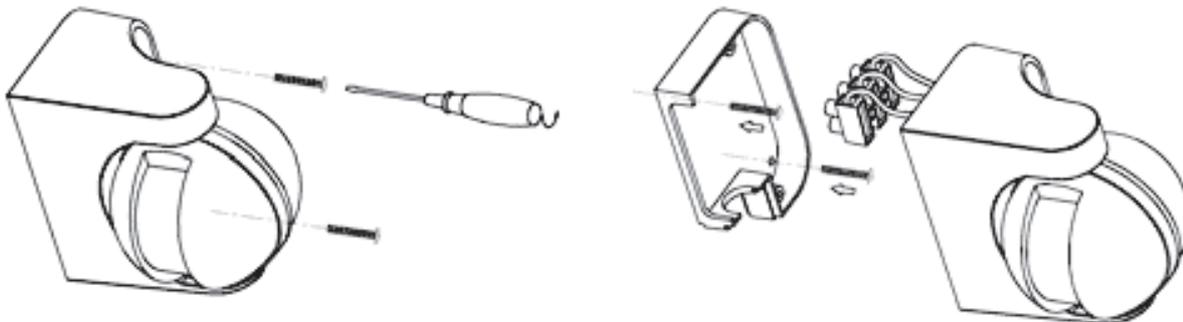
- Avoid directing the detector towards objects with highly reflective surfaces, such as mirrors etc.
- Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.
- Avoid directing the detector towards objects that may move in the wind, such as curtains, tall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



# LEDVANCE LMS Sensor Value Infrared

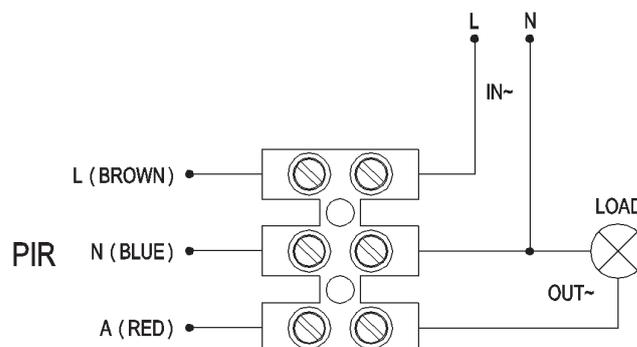
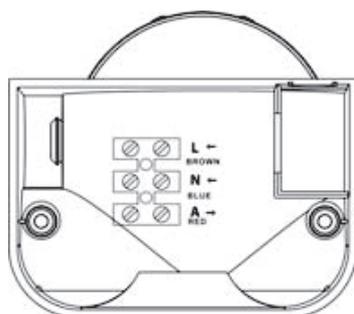
## How to Install:

- Switch off the power.
- Loosen the screw in the back and unload the bottom (refer to figure 1).
- Find the wire hole in the bottom and pass the power wire through hole. Connect the power wire into connection-wire column according to the connection-wire diagram.
- Fix the bottom with inflated screw on the selected position. (refer to figure 2)
- Install back the sensor on the bottom, tighten the screw and then test it.
- After finishing installing, turn on the power and then test it.



## Wire Connection diagram:

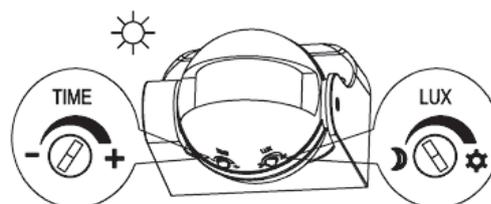
(See the right figure)



## Testing Before Using:

- Turn the TIME knob anti-clockwise to the minimum (-). Turn the LUX knob clockwise to the maximum (sun).
- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After warm-up 30sec, the sensor can start work. If the sensor receives the induction signal, the lamp will turn on. When no induction signal is received within  $10\text{sec} \pm 3\text{sec}$ , the load should stop working and the lamp would turn off.
- Turn LUX knob anti-clockwise on the minimum (moon). If luminance level is more than 10LUX, the sensor would not work, and the lamps stop working. If the ambient light is less than 10LUX (darkness), the sensor would work. Under no induction signal condition, the sensor should stop working within  $10\text{sec} \pm 3\text{sec}$ .

Note: When testing in daylight, please turn LUX knob to ☀ (SUN) position, otherwise the sensor lamp could not work! If the load is  $>60\text{W}$ , the distance between lamp and sensor should be longer than 60cm.



## 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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