T-LED 068282 Real Presence Sensor Instruction Manual

Contents

T-LED 068282 Real Presence Sensor

Product Information

Specifications

- **Product Name:** Real Presence Sensor 068282 MS9-DP-W 230V
- **Voltage:** 110-240V/AC
- **Power Frequency:** 50/60Hz
- **Ambient Light:** (Specification information missing)

Product Usage Instructions

1. **Placement:** Install the Real Presence Sensor in a suitable location where it can detect human presence effectively.
2. **Power Connection:** Connect the sensor to a power source within the specified voltage range (110-240V/AC).
3. **Functionality:** The sensor operates using microwave technology (24GHz) to detect human breath. When people are present, connected lights will remain on; when people leave, the lights will automatically turn off.
4. **Features:** The sensor provides automation, convenience, safety, energy-saving, and practical functions for efficient lighting control.

Frequently Asked Questions (FAQ)

Q: How do I know if the sensor is working correctly?
A: You can test the sensor by moving within its detection range.
If the connected lights respond accordingly (stay on when you are present and turn off when you leave), the sensor is functioning correctly.

Instruction

Welcome to the MS9 Microwave Real Presence Sensor! The product adopts microwave sensor mold with high - frequency electromagnetic wave (24GHz) and an integrated circuit. It detects human breath, as long as people are present, the lights will remain on. When people leave, the lights will go out. It gathers automatism, convenience, safety, saving energy and practical functions.

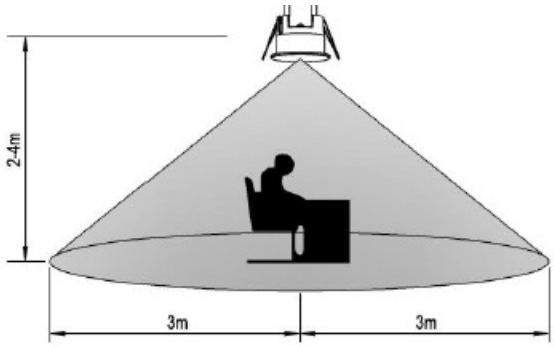
SPECIFICATION:

- Voltage 110-240V/AC
- Power Frequency: 50/60Hz
- Detection Distance: 3m(radius)
- Installing Height: 2-4m
- Rated Load: 1200W(220-240V/AC)
  - 800W(110-130V/AC)
  - 600W(220-240V/AC)
  - 300W(110-130V/AC)
- Detection Range: 361T
- Ambient Light: <3-2000LlJX (Adjustable)
- HF System: 24GHz CW radar, ISM band
- Transmission Power: < 10mW
- Time Delay: Min. 10sec±3sec
- Max- 12min±1 min
- Detection Motion Speed: 0.6-1.5m/s
- IP Class: IP514

FUNCTION

- Can identify day and night: It can work in the daytime and at night when it is adjusted on the “sun” position (max). It can work in the ambient light less than 3LUX when it is adjusted on the “3” position (min). As for the adjustment pattern, please refer to the testing pattern.
- It detects human breathing and keeps lamp on continuously When you stand in the place less than 3m to the sensor.
- When you walk to the place 3-4.5m to the sensor, it detects human motion and turn on the lamp and then turn off after the set time if there is no movement during the lighting time.
- Time-Delay is added continually: When it receives the second induction signal within the first induction, it will restart to time from the moment.
- Time–Delay is adjustable. It can be set according to the consumer’s desire. The minimum time is 10sec±3sec. The maximum is 12min±1min.

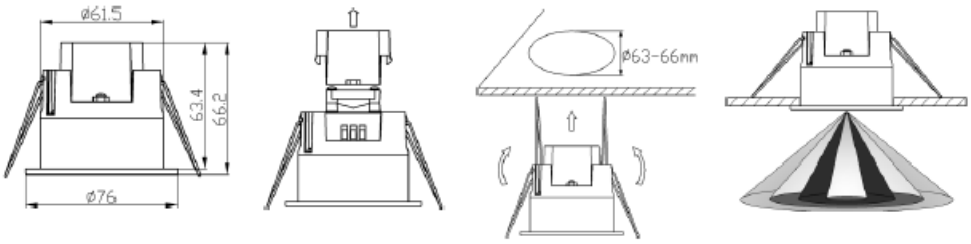
SENSOR INFORMATION



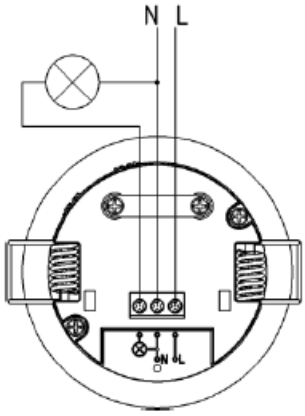
INSTALLATION

(see the diagram)

- Switch off the power and unload the transparent cover.
- Connect the power to connection terminal of a sensor according to connection-wire diagram.
- Install the transparent cover back in the original location.
- Fold the metal spring of the sensor upwards and then put the sensor into the suitable hole or installation box. Releasing the spring, the sensor will be set in this installation position.
- After installing it, turn on the power and then test it.



CONNECTION-WIRE DIAGRAM



TEST

- Turn the LUX knob clockwise on the maximum (sun). Turn the TIME knob anti-clockwise on the minimum (10s).
- When you switch on the power, the light will be on at once. And 10sec±3sec later the light will be off automatically. Then if the sensor receives an induction signal again, it can work normally.
- When you walk to the place less than 3m to the sensor, it detects human breathing and keeps lamp on. When

you walk to the place more than 3m and then the lamp will be off after the setted time if there is no another movement.

- When you walk to the place 3-4.5m to the sensor, it detects human motion and turn on the lamp as the setted time.
- When the sensor receives the second induction signals within the first induction, it will restart to time from the moment.
- Turn LUX knob anti-clockwise on the minimum (3). If the ambient light is less than 3LUX (darkness), the inductor load could work when it receives an induction signal.

Note: When testing in daylight, please turn LUX knob to ☼ (SUN) position, otherwise the sensor could not work!

NOTES

- Electrician or experienced human can install it
- Can not be installed on the uneven and shaky surface
- In front of the sensor, there shouldn’t be obstructive object affecting detection.
- Avoid installing it near the metal and glass which may affect the sensor.
- For your safety , please don’t open the case if you find hitch after installation.

SOME PROBLEM AND SOLVED WAY

- The load don’t work
- Check the power and the load
- Whether the indicator light is turned on after sensing? If yes please check the load
- If the indicator light does not turn on after sensing, please check if the working light corresponds to the ambient light.
- Please check if the working voltage corresponds to the power source.
- **The sensitivity is poor**
  - Please check the ambient temperature
  - Please check if the signals source is in the detection fields
  - Please check the installation height
  - The sensor can’t shut automatically the load:
  - If there are continual signals in the detection fields
  - If the time delay is set to the longest
  - If the power corresponds to the instruction.

Documents / Resources

	**T-LED 068282 Real Presence Sensor** [pdf] Instruction Manual 068282, 068282 Real Presence Sensor, Real Presence Sensor, Presence Sensor, Sensor

References

- **User Manual**