OPTONICA

USER MANUAL

2in1 PRESENCE SENSOR

SKU: 7326

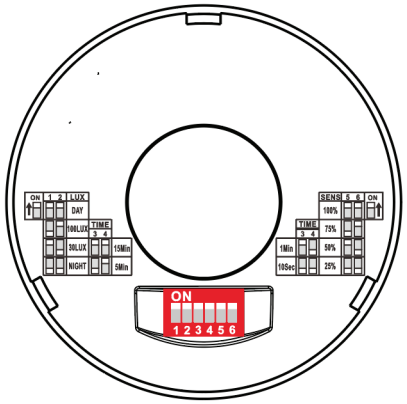
INTRODUCTION:

This sensor is used 24GHz Millimeter Wave Radar technology, Real Presence Sensor can detect large movement and small movement, such as hand movement, shake head and fluctuate when breath, there is a relay to control on and off when there is movement.

SPECIFICATION:

Power Sourcing: 220-240V/AC **Power Frequency:** 50/60Hz
Ambient Light: 10LUX/30LUX/100LUX/ DAY 24h (Adjustable)
Time Delay: 10sec/1min/5min/15min (Adjustable)
Rated Load: 2000W / 1000W LED
Detection Range: Ceiling - 360° / Wall - 180°
Detection Distance: Max.6m - hand moving and shake head. Max.4m - breath signal.
Detection Motion Speed: 0.6-1.5m/s **Working Humidity:** <93%RH
Working Temperature: -20°C~+40°C **Power Consumption:** approx 0.90W
Installing Height: 2.2-4m

SETTING:



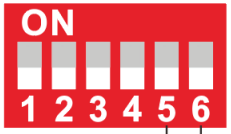
1 Daylight Sensor

	1	2	range	Ambient loght
I	ON	ON	<10Lux	very dark
II	OFF	ON	30Lux	dark
III	ON	OFF	100Lux	slight light
IV	OFF	OFF	DAY	whole day

2 Hold Time

	3	4	delya time
I	ON	ON	15Min
II	OFF	ON	5Min
III	ON	OFF	1Min
IV	OFF	OFF	10Sec

3 Detection Area



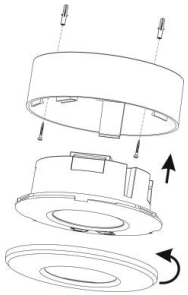
	5	6	sensitivity	detect breathe area
I	ON	ON	100%	25m² (5x5m room)
II	OFF	ON	75%	16m² (4x4m room)
III	ON	OFF	50%	4m² (2x2m room)
IV	OFF	OFF	25%	1m² (1x1m room)

CONNECTION:

WARNING

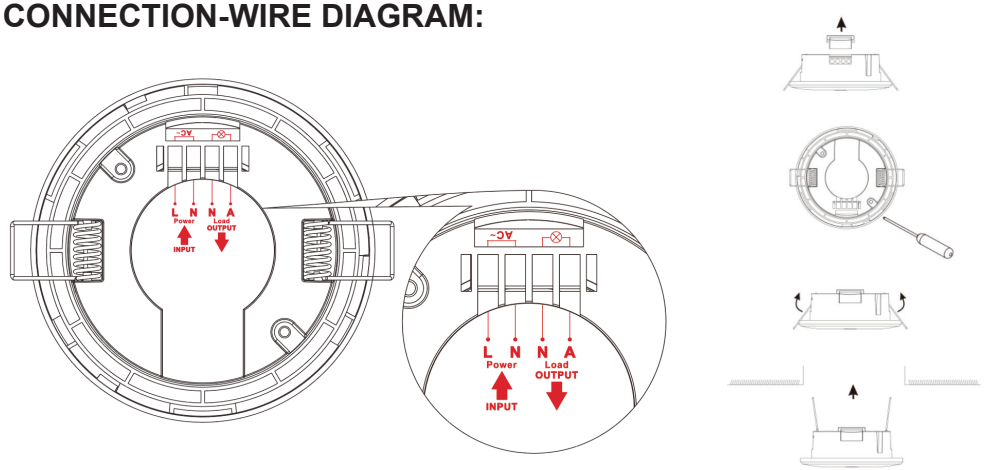
WARNING. DANGER OF DEATH THROUGH ELECTRIC SHOCK!

- Must be installed by professional electrician.
- Disconnect power source.
- Cover or shied any adjacent live components.
- Ensure device cannot be switched on.
- Check power supply is disconnected.

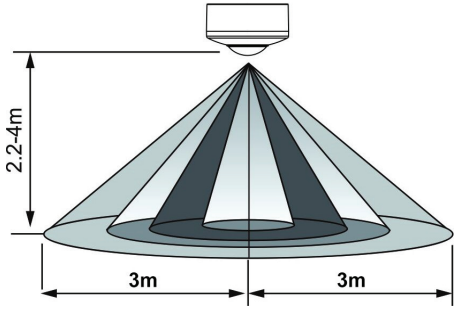


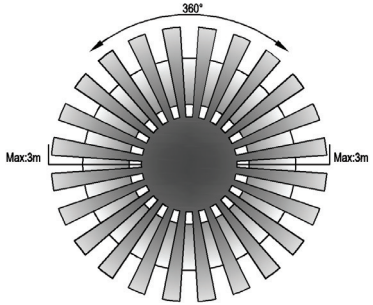
- Please move the upper cover with anti-clockwise Swirl as per the diagram on the right.
- Connect the power and the load according to the connection-wire diagram.
- Fix the bottom on the selected position with the inflated screw.
- Install back the upper cover on the sensor, then you could switch on the power and test it.

CONNECTION-WIRE DIAGRAM:



SENSOR INFORMATION:





Height of installation: 2.2 - 4m

Detection Dsitance: Max.6m

NOTE:

The detection sensitivity is closely related to the height of the person under test, the moving speed, the installation position of the sensor, whether there is a barrier,and the reflection of metal or glass. Select the sensitivity based on the onsite installation environment.

SOME PROBLEMS AND SOLVED WAY

Malfunction Phenomenon	Reason	Solution
Sensor spurious triggering or cannot turn off	Sensor can be tested through the glass or wood or nonmetallic substance.	Turn down the sensitivity.
	Sensor install close to wireless devices.	Stay more than 2 meters away from the wireless equipment.
	Vibration or buffeting signals in the installation environment.	Make sure there are no other movement signals in the space such as vibrating devices, fans shaking their heads, curtains swinging.
The sensors can't detect anyone	Installation location beyond the respiratory signal coverage area.	Adjust installation position.
	The installation position is behind or on the side of the user.	Adjust the installation position Install in front of the person.
	The microwave signal was blocked by obstacles.	Adjust installation position away from obstacles.
	Ambient light illumination more then the set LUX of sensor.	1. Check the environment for other luminous objects or lamps. 2. Adjust the lux or disable the test function of night and dark.
The sensor cannot work	The input-output connection is reversed,causing damage.	Change a new sensor.
	The load exceeds the sensor rated power or load surge current limit.	Change a new sensor.

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