TECHNICAL DATA SHEET

sensinova® motion on

NANO PRO-F

(True Presence Sensor)

Minor Motion Detection

Breathing Detection

Day/Night Threshold

ON/OFF Function

Welcome to use Nano Pro-F True Presence Sensor! The product adopts microwave sensor mould with high-frequency electro magnetic wave and 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

TECHNICAL SPECIFICATION

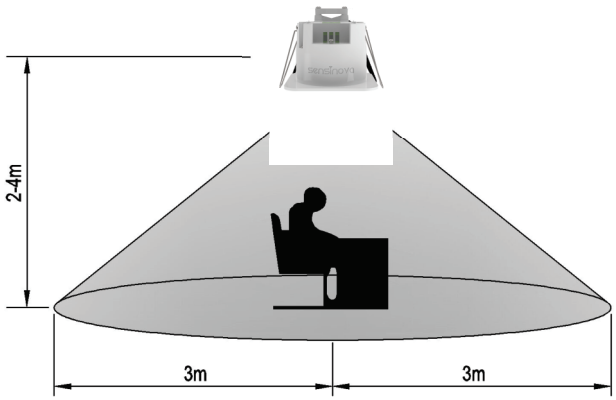
Power Source:	10-240V/AC
Power Frequency:	50/60Hz
Transmission Power:	<10mW
Time Delay:	Min. 10Sec±3Sec, Max. 12Min±1Min
Rated Load:	1200W (Incandescent), 300W (LED Load)
Detection Range:	360°
Detection Distance:	3m(radius)
Ambient Light:	<3-2000LUX
IP Rate	Ip54
Install Height:	2-4m
Power Consumption:	Approx 0.9W
Detection Motion Speed:	0.6-1.5m/s

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 even the slightest motion, like human breathing, and keeps the load continuously on when you are within 3 meters of 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 setted time if there is no movement during the lighting time.

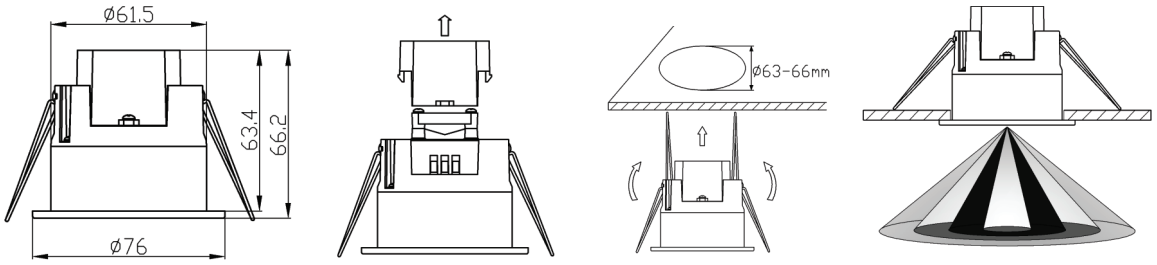
Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.

- 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.

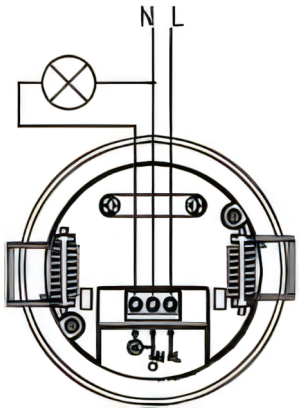


INSTALLATION

- Switch off the power and unload the transparent cover.
- Connect the power to connection terminal of sensor according to connection-wire diagram.
- Install back the transparent cover into 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 finishing installing, turn on the power and then test it.

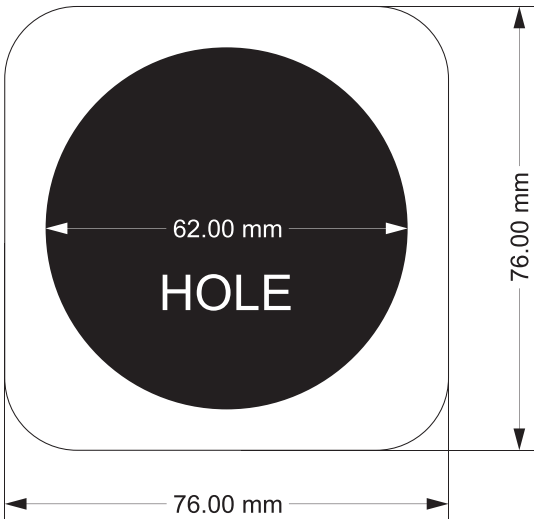


CONNECTION-WIRE DIAGRAM



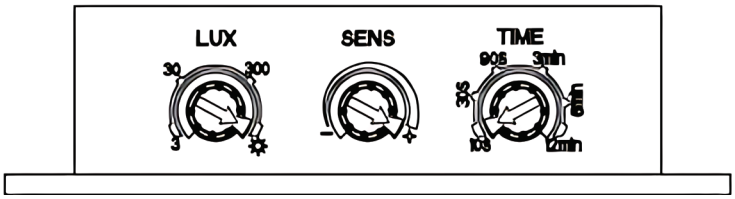
Note: When testing in daylight, please turn LUX knob to (SUN) position, otherwise the sensor could not work!

PRODUCT CUT-OUT



CONNECTION-WIRE DIAGRAM

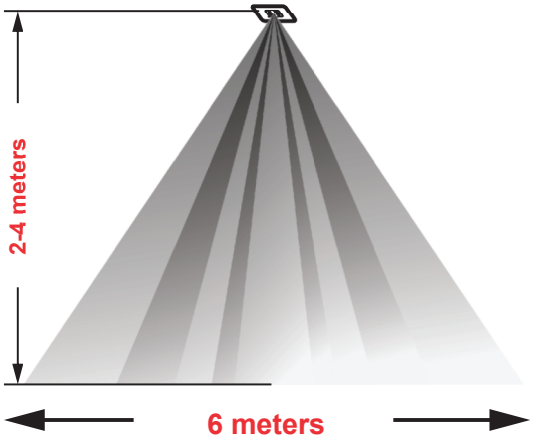
- Turn the LUX knob clockwise on the maximum (sun). Turn the TIME knob anti-clockwise on the minimum (10s).
- When you switch on the power, the light will be on at once. And 10sec±3sec later the light will be off automatically. Then if the sensor receives induction signal again, it can work normally.
- 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 induction signal.

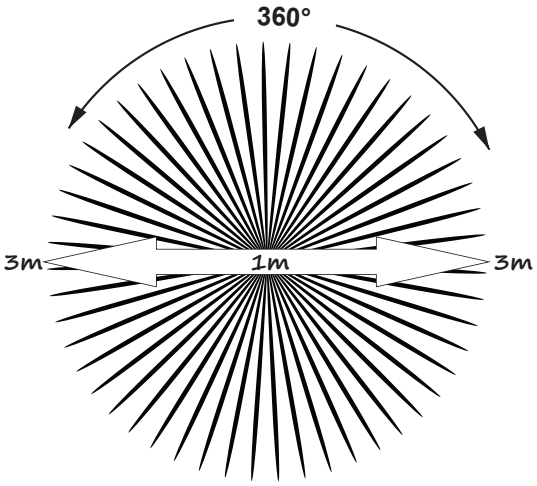


Note: When testing in daylight, please turn LUX knob to (SUN) position, otherwise the sensor could not work!

NOTE

- Installer: Only by an electrician or experienced individual.
- Surface: No installation on uneven or shaky surfaces.
- Clearance: Ensure no obstructions in front of the sensor.
- Location: Avoid near metal and glass to prevent interference.
- Safety: Do not open the case post-installation if issues arise.





TROUBLESHOOTING

Malfunction	Cause	Remedy
The load will not work	Wrong light control selected Load faulty Mains is switched OFF	Adjust Setting Change Load Switch ON
The load is always on	Continuous movement in detection zone	Check zone setting
The load is ON without any identifiable movement	The sensor not mounted for detecting movement reliably Movement occurred, but not identified by the sensor(movement behind wall, movement of a small object in immediate lamp vicinity etc)	Securely mount enclosure Check zone setting
The load will not work despite movement	Rapid movements are being suppressed to minimize malfunctioning or the detection zone you have set is too small	Check zone setting.

C K Patel Estate, Survey Number 372, Opp Tata Motors Service Centre, Near Rama Kaka Deri, Chhani, Vadodara – 391740

+91 9586884885 +91 9979764665

info@sensinova.in www.sensinova.in