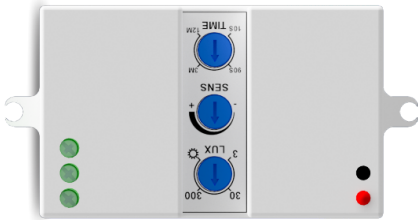


Microwave Motion Sensor

Model No.: - SNIND-MWV1



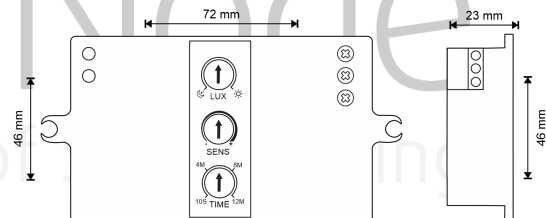
Technical Specification:-

Input voltage	220-240V
Supply frequency	50/60Hz
Rated load	300W (Inductive), 1200W (Resistive)
Detection area	Wall 2-12m, Ceiling 1-6m (radius), adjustable
Material	ABS (UV proof)
Dimension	72mm*46mm*23mm
Time delay	10s, 4 min12 min
Microwave frequency	3.2 GHz Continuous wave
Transmitting power	<2mW
Operating temperature	0°C - 50°C
Environment temperature range	Operation: -10 °C - 55°C Storage: -30 °C - 60°C Transportation: -30°C - 60°C
Detection range	0° - 360° degree
Warranty	2 years

General guidance for installation: -

1. The detection range and daylight sensor levels meet standard specifications; however, it is imperative to evaluate their appropriateness for sensitive applications.
2. The installation of the motion sensor must exclusively be executed by a qualified electrician. Prior to the installation or maintenance of the product, it is essential to ensure that the electricity supply has been disconnected.
3. Any form of modification to the sensor is strictly prohibited. Engaging in such alterations will promptly render any issued warranties null and void.
4. The company shall not bear responsibility for any consequences arising from unauthorized modifications to the product.
5. It is advised to connect the sensor to a stable power supply of 220-240Vac 50Hz.
6. To maintain optimal sensor performance, refrain from sitting it in proximity to metals and glass, as these materials may interfere with its functionality. Installing the sensor within a glass or plastic enclosure will result in reduced sensitivity.
7. For safety reasons, refrain from attempting to open the casing should any issues arise post-installation.
8. To safeguard the product from potential damage, it is recommended to install a protective device with a minimum current rating of 6A alongside the microwave sensor during installation. Examples of such protective devices include fuses and safety tubes.

Dimensions:-



Installation: -

1. Turn off the power.
2. Attach the base to the chosen location using the provided screws through the holes on the side of the sensor.
3. Connect the power and the load to the sensor following the wiring diagram.
4. Turn on the power and test the sensor.

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Settings: -

The knob has the capability to fine-tune the sensor's sensitivity, on-time, and daylight settings. By default, the switches are in the off position. When you decrease the sensitivity, the sensor's detection area will correspondingly decrease. For optimal performance, it is recommended to allow the sensor to warm up initially before use.

1. **SENSITIVITY:** This pertains to the sensor's ability to detect motion, which is evaluated with respect to an individual of approximately 1.6m/1.7m in height, moving at a speed of 0.1-1 m/sec. Nevertheless, it's important to note that the detection range might vary for individuals of different heights or speeds of movement.
2. **ON TIME:** The "lamp timeout" signifies the duration for which the lamp remains illuminated once no movement is detected. Following the light turning off, there is a brief interval of approximately 2 seconds before the sensor is capable of detecting motion once again. Additionally, the Live-Out terminal requires approximately 1.2 seconds to become operational after the sensor is powered up. Upon initial activation of the sensor, it requires roughly 10 seconds to stabilize before functioning normally. In the event that you modify the on-time setting while the sensor is already active, the updated configuration will take effect after the sensor deactivates. To bypass this delay, simply deactivate and then reactivate the power supply.

I: 10 seconds

II: 4 Minutes

III: 8 Minutes

IV: 12 Minutes

3. **LIGHT SENSOR (lux):** It is possible to configure the sensor to activate the lamp exclusively when the ambient brightness descends below a particular level. The preset default configuration is as follows:

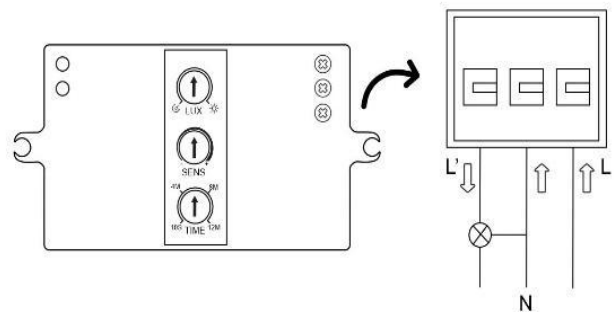
I: Day

II: Night

Test: -

1. Rotate the LUX knob in a clockwise direction until it reaches its maximum position (sun icon). Turn the SENS knob clockwise until it reaches its maximum position (+ symbol). Adjust the TIME knob counterclockwise until it reaches the minimum setting (10 seconds).
2. Upon powering on, the light will promptly illuminate. Roughly 10 seconds thereafter, with a variance of approximately 3 seconds, the light will automatically turn off. However, if the sensor detects another signal during this interval, it will resume its normal operation.
3. When the sensor receives the second induction signal within the first induction, it will restart to time from the moment.
4. Rotate the LUX knob Anticlockwise until it reaches its minimum value (3). When the ambient light measures less than 3 LUX (indicating very dark conditions), the inductor load will operate upon receiving a detection signal.

Connection diagram: -



Wiring diagram