

## ABOUT

**sensinova™**

"Sensinova - Sensing innovations beyond imagination" is a well-known and trust worthy brand based in India that has been involved in designing of sensors used in residential, commercial and industrial applications. The concept of our company is "Be smart, Live Better", which mainly focuses on research and development of contemporary household automation products...

Sensinova has obtained its name as one of the famous and trustworthy brand in sensing innovation products across India. The company and its professionals have obtained expertise in designing of sensors available in wide varieties. In this way, whether you have the requirement of any Microwave sensors or PIR sensors, you will be able to get right solutions by approaching our experts.

## ADDRESS

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Hands Free Switching

Sensing Innovations beyond Imaginations



Microwave Sensor

Infrared Motion Sensor

Sensor Alarm

Sensor Dimmer & Driver

Sensor Smart Light

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## APPLICATION

- CONFERENCE ROOMS
- MEETING HALLS
- BASEMENTS
- CORRIDORS
- OFFICES
- CORRIDOR
- PARKING AREA
- HOSPITALS
- MULTI-APARTMENT COMPLEXES
- STAIRWAYS
- COLLEGES
- SCHOOLS
- INSTITUTES

## Microwave Sensor



### SN-MW701D

#### HF MICROWAVE SENSOR

- Detection Range : 360°
- Power Source : 220-240V/AC
- HF System : 5.8GHz CW radar,ISM band
- Rated Load : Max.1200W
- Detection Distance : 1-8m (radius),adjustable
- Time Delay : 10sec±3sec to 12min±1min(adjustable)
- Ambient Light : <3-2000LUX (adjustable)

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### SN-MW701E

#### HF MICROWAVE SENSOR

- Detection Range : 360°
- Power Source : 220-240V/AC
- HF System : 5.8GHz CW radar,ISM band
- Rated Load : Max.1200W
- Detection Distance : 1-8m (radius),adjustable
- Time Delay : 10sec±3sec to 12min±1min(adjustable)
- Ambient Light : <3-2000LUX (adjustable) ,



SLIM Design easy to fit in any light fixture / POP

### SN-MW700

#### HF MICROWAVE SENSOR - CEILING MOUNT

- Detection Range : 360°
- Power Source : 110-130V/AC 220-240V/AC
- HF System : 5.8GHz CW radar,ISM band
- Rated Load : Max. 800W (110-130V/AC), 1200W (220-240V/AC)
- Detection Distance : 1-8m (radius),adjustable
- Time Delay : 10sec±3sec to 12min±1min(adjustable)
- Ambient Light : <3-2000LUX (adjustable)

Installation Height : 1.5 - 3.5 mtr.



### SN-MW700C

#### HF MICROWAVE SENSOR - CEILING MOUNT

- Detection Range : 360°
- Power Source : 220-240V/AC
- HF System : 5.8GHz CW radar,ISM band
- Rated Load : Max. 1200W (220-240V/AC)
- Detection Distance : 1-8m (radius),adjustable
- Time Delay : 10sec±3sec to 12min±1min(adjustable)
- Ambient Light : <3-2000LUX (adjustable)

Installation Height 2 - 6 mtr. SLIM & SLEEK Beautiful in looks and asthetics



### SN-MW753

#### 360° FLUSH MOUNT CEILING MOUNT OCCUPANCY DETECTOR

- Detection Range : 360°
- Power Source : 220-240V/AC
- HF System : 5.8GHz CW radar,ISM band
- Rated Load : Max.1200W (220-240V/AC)
- Detection Distance : 1-8m (radius),adjustable
- Time Delay : 10sec±3sec to 12min±1min(adjustable)
- Ambient Light : <3-2000LUX (adjustable)



Ceiling Mount in POP.  
Offices, Conference rooms, Malls etc..

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## SN-MW757

### HF MICROWAVE SENSOR -

Detection Range : 180°  
 Power Source: : 220-240V/AC  
 HF System : 5.8GHz CW radar,ISM band  
 Rated Load : 1200W (220-240V/AC)  
 Detection Distance : 7.5m/15m (choice),adjustable  
 Detection Range : 50%,100% (choice),  
 Time Delay : 5s, 90s, 3min. 20min ( choice ).

Ambient Light 25 Lux / 2000 Lux (choice), Installing Height : 1.5 - 3.5 mtr  
 IP65



## SN-MW752

### HF MICROWAVE SENSOR - WALL MOUNT

Detection Range : 180°  
 Power Source : 110-130V/AC 220-240V/AC  
 HF System : 5.8GHz CW radar,ISM band  
 Rated Load : Max.800W (110-130V/AC), 1200W (220-240V/AC)  
 Detection Distance : 5-15m(adjustable)  
 Time Delay : 10sec±3sec to 12min±1min(adjustable)  
 Ambient Light : <3-2000LUX (adjustable)

IP44



## SN-MW754

### HF MICROWAVE SENSOR - WALL MOUNT

Detection Range : 180°  
 Power Source : 220-240V/AC  
 HF System : 5.8GHz CW radar,ISM band  
 Rated Load : Max.1200W  
 Detection Distance : 5-15m,adjustable  
 Time Delay : 10sec±3sec to 12min±1min(adjustable)  
 Ambient Light : <3-2000LUX (adjustable)



## Sensor Alarm

APPLICATION : SHOW ROOMS, OFFICES, RESIDENCE, DOCTORS CLINIC

## SN-PR96

### PIR SENSOR ALARM

Detection Range : 60°  
 Power Source : 9V/DC  
 Detection Distance : 8m (max.)  
 Static Consumption : < 40uA  
 Working Consumption : < 100mA  
 Alarm Sound : ≥70DB  
 Switch Function : Alarm/Off/Chime



## Microwave Sensors with Built in Dimmer & Drivers

APPLICATIONS : LAMPS, ELECTRICAL FIXTURES, STREET LIGHTS

## SN730A

### MICROWAVE SENSOR & DIMMER & DRIVER

Power Source : 220 -240V/AC  
 Wattage capacity : Upto 12 watts  
 Output Voltage : 21-33 V/DC  
 Output Detection Range: 10%, 50%, 75%, 100%  
 Daylight Sensor : 5lux, 15lux, 50lux, 2000lux  
 Output Current : 300mA, Detection angle:180° /360°  
 Detection Distance : 2-8m (radius), adjustable,  
 Installing Height : 2-4 mtr ceiling Standard Dimming Level - 20 %,  
 Stand by Period : 0s, 30s, 10min, infinite



## SN730B

### MICROWAVE SENSOR & DIMMER & DRIVER

Power Source : 220 -240V/AC  
 Wattage capacity : Upto 16 watts  
 Output Voltage : 30-51 V/DC  
 Output Detection Range: 10%, 50%, 75%, 100%  
 Daylight Sensor : 5lux, 15lux, 50lux, 2000lux  
 Output Current : 300mA, Detection angle:180° /360°  
 Detection Distance : 2-8m (radius), adjustable,  
 Installing Height : 2-4 mtr ceiling Standard Dimming Level - 20 %,  
 Stand by Period : 0s, 30s, 10min, infinite



## SN-MW736B

### MICROWAVE SENSOR & DIMMER & DRIVER

Power Source : : 220 -240V/AC  
 Power Frequency: : 50/60Hz  
 Wattage capacity: : up to 18 watts  
 Output Voltage : M : 35-60 V/DC  
 Output Detection: Range : 10%, 50%, 75%, 100%  
 Daylight Sensor : : 5lux, 15lux, 50lux, 2000lux.  
 Output Current : : 300mA  
 Detection Distance : : 2-8m (radius),Standard Dimming Level - 20 %,



## SN-MW731B / C

### MICROWAVE SENSOR & DRIVER

Wattage capacity : up to 15/18 watts  
 Output Voltage : : 30-51 / 24-33 V/DC  
 Daylight Sensor : : 5lux, 15lux, 50lux,2000lux  
 Output Current : : 300 / 600 mA  
 Detection angle : : 180° /360°  
 Detection Distance : 2-8m (radius), adjustable





## APPLICATION

MEETING ROOMS  
 OFFICE CABINS  
 STAIRCASE & MAIN ENTRANCE  
 TOILETS / LOBBY  
 CORRIDOR & PANTRY  
 COVERED PARKING AREA  
 STAIRWAYS  
 ENTRANCE & CORRIDORS  
 WALK THROUGH PASSAGES  
 GARAGES  
 GARDEN AREA  
 MAIN ENTRANCE  
 TERRACE  
 PARKING LOTS & BALCONY

CAN BE USED TO CONNECT ANY  
 ELECTRIC EQUIPMENT,  
 LIKE NIGHT LAMPS ETC..

## Infrared Motion Sensor



### SN-PR46B

#### CEILING MOUNT HIGH SENSITIVITY OCCUPANCY SENSOR

Detection Range : 360°  
 Power Source : 220-240V/AC  
 Rated Load : 2000W (220-240V/AC)  
 Detection Distance : Max.20m (<24°C)  
 Time Delay : 10sec±3sec to 30min±2min(adjustable)  
 Ambient Light : <3-2000LUX (adjustable)

Installation Height:2.2m-6m , IP54



### SN-PR07

#### 360° CEILING MOUNT STAND ALONE LIGHT CONTROL PIR SENSOR

Detection Range : 360°  
 Power Source : 110-130V/AC 220-240V/AC  
 Rated Load : Max. 800W (110-130V/AC), 1200W (220-240V/AC)  
 Detection Distance : Max.6m (<24°C)  
 Time Delay : 10sec±3sec to 7min±2min(adjustable)  
 Ambient Light : <3-2000LUX (adjustable)

Low Cost Ceiling Mount,

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### SN-PR05E

#### LIGHT CONTROL PIR SENSOR (REMOTE WITH DIMMING)

Detection Range : 360°  
 Power Source : 220-240V/AC  
 Detection Distance : max.6m (<24°C)  
 Hold Time : 10sec±3sec to 30min±2min(adjustable)  
 Ambient Light : <3-2000LUX  
 Rated Load : Max.2000W, 1000W  
 Stand by Dimming Level : OFF, 10% , 20%, 30%, OFF,

All the settings can be done with Remote



### SN-PR05B

#### 360° CEILING MOUNT STAND ALONE LIGHT CONTROL PIR SENSOR

Detection Range : 360°  
 Power Source : 220-240V/AC  
 Rated Load : 1200W (220-240V/AC)  
 Detection Distance : Max.12m (<24°C)  
 Time Delay : 10sec±3sec to 15min±2min(adjustable)  
 Ambient Light : <3-2000LUX

3Xdetector



### SN-PR15

#### PIR MOTION SENSOR, WEATHERPROOF FOR OUTDOOR USE

Detection Range : 180°  
 Power Source : 220-240V/AC  
 Rated Load : 1200W (220-240V/AC)  
 Detection Distance : Max.15m (<24°C)  
 Time Delay : 10sec ±3sec to 15min±2min(adjustable)  
 Ambient Light : <3-2000LUX (adjustable)

IP65



### SN-PR11A

#### PASSIVE INFRARED PLUG

Detection Range : 120°  
 Power Source : 220-240V/AC  
 Rated Load : Max.1200W  
 Detection Distance : 2-9m (<24°C)(adjustable)  
 Time Delay : 10sec±3sec to 7min±2min(adjustable)  
 Ambient Light : <3-2000LUX (adjustable)



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# Light - Control Sensor (Photocell)

APPLICATION : STREET LIGHTS, GARDEN LIGHTS, SOCIETY LIGHTS, ETC.



## SN-PC302

### TWILIGHT SENSOR

Power Source : 220-240V/AC  
 Power Frequency : 50/60Hz  
 Rated Current : 10A  
 Ambient Light : <5-50LUX(adjustable)  
 IP44



## SN-PC308

### TWILIGHT SENSOR (PHOTO CELL)

Power Source : 220-240V/AC  
 Power Frequency : 50Hz  
 Rated Current : 20A  
 Ambient Light : <2-100LUX(adjustable)  
 IP65



## SN-PC300

### LIGHT CONTROL SWITCH WITH TIMER

Power Source : 220V-240V/AC  
 Power Frequency : 50/60Hz  
 Rated Current : <10A  
 Ambient Light : <2-200LUX(adjustable)  
 Built-in Timer : 1,2,4,6,8,9 hours

# Sensor Switch

APPLICATION : CABINETS, LOCKERS, SAFE, WARDROBES ETC..

## SN-WIRS011

### WAVING IR SENSOR SWITCH

Dimension : 30.8\*8.7\*38MM ,  
 Input Voltage : DC12V/DC24V  
 Input current : 3A  
 Input power : 36W at DC12V input 72W at DC 24V  
 Cable Length : input cable 100mm,output cable 200mm  
 Sensor Type : Waving IR Sensor,  
 Sensor Distance : Within 15cm



## SN-IRS011

### IR SENSOR SWITCH

Dimension : 30.8\*8.7\*38MM ,  
 Input Voltage : DC12V/DC24V  
 Input current : 3A  
 Input power : 36W at DC12V input 72W at DC 24V  
 Cable Length : input cable 100mm,output cable 200mm  
 Sensor Type : IR Sensor,  
 Sensor Distance : Within 25cm



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# Microwave Sensor - Smart Light

APPLICATION : LIVING ROOMS, BALACONY, STAIRCASE, CORRIDORS, LIFTS

## SN-LP704A / B

### MICROWAVE LED SENSOR LAMP WITH DIMMER

Detection Angle : 360°  
 Power Source : 220-240V/AC  
 Rated Load : 10/16W(800/1200LM)  
 Daylight Sensor : 5lux, 15lux, 50lux, 2000 lux (choice )  
 Detection Distance : 2-8m (radius), adjustable  
 Hold Time : 10s, 90s, 3min, 10min (choice)  
 Stand-by Period : 0s,30s, 10min, +? (Choice)  
 Detection Range : 10%, 50%, 75%, 100% (choice),  
 Installing Height : 2-4m IP54,IK10



## SN-LP731B / C

### LED LAMP WITH MICROWAVE SENSOR 18W

Power Source : 220 -240V/AC  
 Power Frequency : 50/60Hz  
 Wattage capacity : up to 15/18 watts  
 Output Voltage : 30-51/ 24-33DC  
 Daylight Sensor : 5lux, 15lux, 50lux, 2000lux  
 Output Current : 300 / 600mA  
 Detection angle : 360°  
 Detection Distance : 2-8m (radius),



## SN-SL1001

### MICROWAVE LED SENSOR STREET LIGHT WITH DIMMER

Detection Angle : 360°  
 Power Source : 220-240V/AC  
 Rated Load : 16W(1200LM) WITH OSRAM LED  
 Daylight Sensor : 5lux, 15lux, 50lux, 2000 lux (choice)  
 Detection Distance: wall: 5-15m (adjustable),  
 Hold Time : 10s, 90s, 3min, 10min (choice)  
 Stand-by Period : 0s,30s, 10min, +? (Choice)  
 Detection Range : 10%, 50%, 75%, 100% (choice),  
 Installing Height : wall: 1.5-3.5m, IP65 , WEIGHT 1.2 KG



BUILT IN SURGE PROTECTION UP TO 5KVA

## SN-SL1002

### MICROWAVE LED SENSOR STREET LIGHT WITH DIMMER

Detection Angle : 360°  
 Power Source : 220-240V/AC  
 Rated Load : 16W(1200LM) WITH OSRAM LED  
 Daylight Sensor : 5lux, 15lux, 50lux, 2000 lux (choice)  
 Detection Distance: wall: 5-15m (adjustable),  
 Hold Time : 10s, 90s, 3min, 10min (choice)  
 Stand-by Period : 0s,30s, 10min, +? (Choice)  
 Detection Range : 10%, 50%, 75%, 100% (choice),  
 Installing Height : wall: 1.5-3.5m, IP65 , WEIGHT 1.2 KG



BUILT IN SURGE PROTECTION UP TO 5KVA

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## Touch Switch

Sensinova is one of the best touch switch manufacturer in this digital era and in India. Our multi Skilled persons designed awesome touch screen switch for the imperial people to make their life more royal. We produce high quality switches under the experienced experts for customer satisfaction. That's why Sensinova is top touch switch supplier in India and will be.



## PIR Sensor - Camera & Memory



### Technical Specification:

- Light Source : External up to 500 watt CFL / 25 watts LED
- PIR detection angle 180 Deg and detection range up to 15M
- Auto light sensor
- LUX control: 5Lux
- Time delay control: 5 sec ~ 7 min

### Camera Spec:

- Built in SD card slot for SD memory card
- Records 20 seconds image recording for image stream;G15fp at 1280\*720
- SD card slot for additional storage, max memory size up to 64G
- SD card spec.: FAT32

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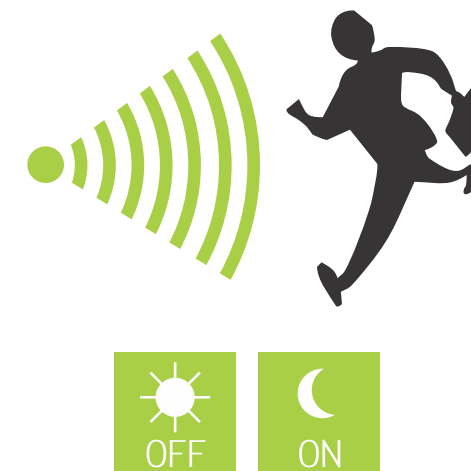
## PIR MOTION SENSORS

### PRINCIPLE

All human body has stable temperature, generally 37°C. Therefore they can send out infrared rays with specific wavelength about 10 micrometers.

The PR sensors are tuned to detect these IR wave length which only emanates when a human being arrives in their proximity. i.e. it senses the motion of human body by the change in surrounding ambient temperature.

The term "PYROELECTRICITY" means heat that generates electricity (here, an electric signal of small amplitude). Since these sensors do not have an infrared source of their own, they are also termed as "Passive".



## MICROWAVE MOTION SENSORS

### PRINCIPLE

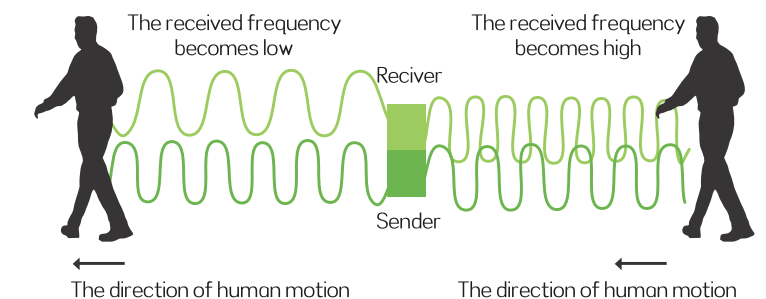
Microwave is still the most advanced method used to detect motion objects. The high - tech sensor works on the principle of the "Doppler effect". If a movement in the detection zone changes the echo pattern, the sensor responds and switches light on.

Microwave is composed of frequency & amplitude. Once radio wave in the travel process encounters an object, it will be reflected, & frequency & amplitude of its reflected wave will change in accordance with the moving state of object. If the object is immobile, the frequency of the reflected wave will not change.

However, if the object moves towards the direction of radio wave, the reflected wave will be compressed, & therefore the frequency of the very wave will increase. Conversely, if the object moves to the opposite direction of a radio wave the frequency of the reflected wave will decrease.

Currently, license - free ISM band used for motion detection are as following:-

- C-band: -5.8GHz ± 75MHz
- X-band: - 10.525GHz ± 25MHz
- K-band: - 24.125GHz ± 200MHz



## MICROWAVE MOTION SENSOR

### MICROWAVE MOTION SENSOR

Activated by motion & speed. Always functioning regardless of the background temp. Dust proof & smoke proof.

Motion can be detected through plastic, glass & thin non-metal materials.

Long life span, 50,000 hours.

## VS PASSIVE INFRARED SENSOR

### Passive Infrared motion sensor

Activated by infrared, heat & light.

Sensitivity is lower when background temp. reaches 37°C. Vulnerable to dust & smoke.

Cannot pass through plastic, glass cover.

Sensor-head must be mounted on the outside of luminaries.

Lens gets aging & short service time, 20,000 hours.

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