




## Movement Sensor Switch

Thank you for purchasing the Movement Sensor Switch. With this step towards energy efficiency you have joined the increasing number people who prefer green and smart living.

### Sensor coverage area

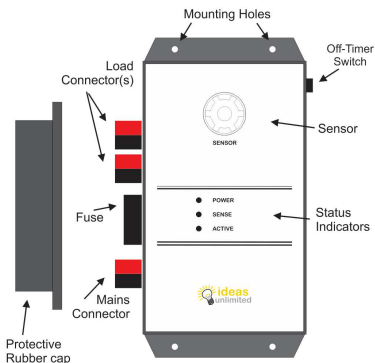
The sensor used is a passive sensor (Does not emit any light or any form of energy). It focuses Infra-red emitted by surroundings on to a IR sensitive photo cell. Based on the model of your unit, the range is specified below.

Sensor	Coverage Area	Illustration	Models
Wide	Wide area (20'X20' approx.) - basement, parking lots etc.		MS101-W2
Medium	Typical room (14'X14' approx.)		MS101-M2
Narrow	Zone within a typical room. (8'X8' approx.)		MS101-N2

### Package Contents:

1. Movement Sensor Switch unit - 1 No.
2. Protective rubber cap - 1 No.
3. Mounting Screws - 4 Nos.
4. Nylon wall plugs - 4 Nos.
5. Instruction Manual - 1 No.

## Product description

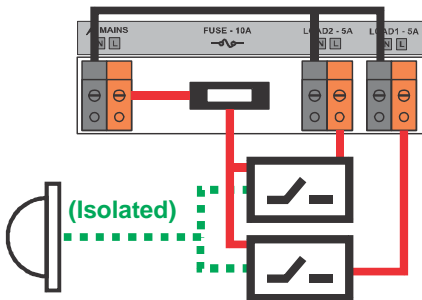


Load connectors: 1 or 2 based on the load capacity of unit

Status Indicators:

- Power: Indicates availability of power to unit
- Sense: Blinks every time activity is sensed
- Active: On whenever loads (outputs) are switched on

## Internal Wiring Reference



## Product Specification

Parameter	Value
Sensor Range:	MS101-W2: 20'X20' maximum MS101-M2: 14'X14' maximum MS101-N2: 08'X08' maximum
Operating Voltage	230V AC, 50Hz
Load Capacity:	1000 Watts Maximum
Unit Dimensions:	185 x 112 x 52 mm
Off Timer Options:	2 Minutes for areas with high activity 6 Minutes for areas with low activity
Power Consumption	Standby mode: 50-100 milli-watts Active mode: 350-450 milli-watts
Safety Features:	1) 10A Glass Fuse (user-replaceable) present to prevent short-circuit/overloading 2) Higher rating connectors and contacts for safety and reliability. 3) Safety rubber cap to cover connectors for both safety and aesthetics. 4) Shock proof (end user useable) connectors 5) Complete electrical isolation between Sensing and switching circuit

## Simple Installation

Diagrams below illustrate how to install movement sensor switch.

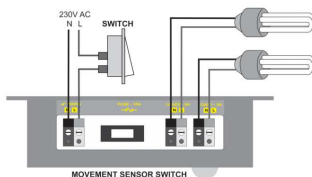


Figure 1: Schematic to install W2, M2, N2 models - Simple Installation

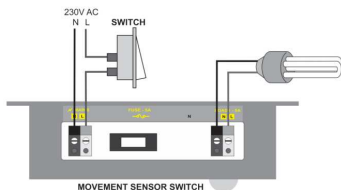


Figure 2: Schematic to install M1, N1 models - Simple Installation

## Installing while retaining existing switches

The unit is also designed to seamlessly integrate into your existing electrical wiring and control selected electrical appliances in a typical room. The Schematic below shows how to install the unit in a room with existing wiring and switches.

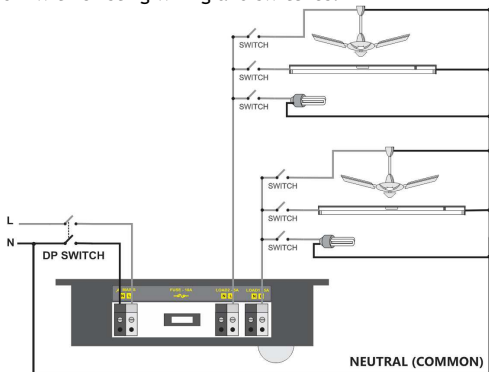
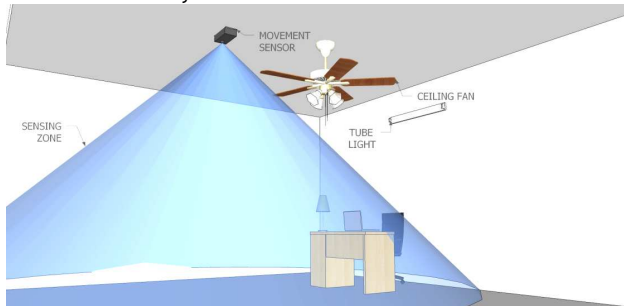


Figure 3: Installation retaining the switches on all appliances

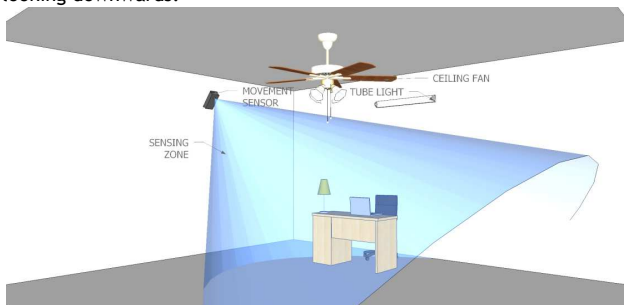
## Recommended Location of Sensor in a room

We recommend installing the sensor on the roof so that sensor gets a clear and unobstructed view of the room. You may have to draw 3 or 4 wires (depending on model/load) from the Sensor to the switch board in your room.



**Figure 4: Roof Installation: Recommended installation in a room**

In case due to various reasons, sensor cannot be mounted on roof, we recommend installing on the wall with a 30 degree incline, looking downwards.



**Figure 5: When mounting on the wall, mount inclined looking downwards, but as close to ceiling as possible for clear view**

**Note:** Avoid mounting the sensor on the wall. If mounting on the wall is inevitable, mount is close to the roof so that sensor has a clear and unobstructed view of the room.

## Timer Selection

Setting	Capacity
2 Mins.	Corridors, low usage spaces, or places used by many people.
6 Mins.	Work areas, Office cubicles, very few people presence in the sensor zone

## Device Power Consumption

**Standby mode:** 50 mili-watts

**Active mode:** 350-450 mili-watts

## Application Ideas

### Energy Saving:

1. Corridors of large buildings with less usage
2. Cubicle Areas, Cabins of offices
3. Conference rooms in office buildings, public buildings
4. Parking lots of Apartment complexes
5. Common Areas of Apartment complexes
6. Rest rooms and Washrooms in hotels, public buildings, office buildings
7. Basement areas of Apartments and basements
8. Basements and narrow corridors of Shopping centers
9. Lab Area, any kind of activity areas in large buildings, factories.

### Security:

1. Outdoor lighting in compounds of houses
2. Outdoor lighting in hotels, public buildings
3. In front of Basement door
4. Basements and narrow corridors of Shopping centers

### Elder Care/Child Care:

1. Switch on narrow corridor lights as soon as someone enters the zone
2. Switch on bathroom lights automatically on entry, conserve energy when not in use
3. Switch on lights outside the house as someone walks by within the compound
4. Switch on lights in bedroom when someone gets out of bed

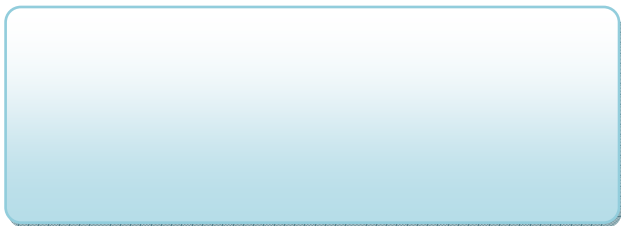
## Our Commitment

**Green:** Technologies that are environment friendly

**Economical:** Reduce cost of usage

**Smart Living:** Enhanced living experience

## Authorized Distributor/Dealer



Designed, Manufactured in India by:



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