




Models of Sensors and Driving Units

MS501 Series (mMS) - Miniature Movement Sensors	
 1X2A, 220W (460VA)	MS501-W2A: Wide (20'x20') MS501-M2A: Medium (14'X14') (Special edition in White)
MS102 Series - Compact External Fit Type	
 1X6A, 600W (1380VA)	MS102-W6A: Wide (20'x20') MS102-M6A: Medium (14'X14') MS102-N6A: Narrow (8'X8')
MS201 Series - Compact Concealed Fit type	
 1X6A, 600W (1380VA)	MS201-W6A: Wide (20'x20') MS201-M6A: Medium (14'X14') MS201-N6A: Narrow (8'X8')
MS101 Series - Rugged, Industrial Use Devices	
 2X5A, 1000W (2300VA)	MS101-W6A: Wide (20'x20') MS101-M6A: Medium (14'X14') MS101-N6A: Narrow (8'X8')
Load Unit for Driving Air-conditioners	
(Picture not available) 1X30A, 4500kW (6500KVA)	MSLOAD-30A (for use with MS501 sensors)

Optional Accessories

MS501 Series (mMS) - Miniature Movement Sensors	
	MSBR-501: 2-Axis Swivel mounting bracket for MS-501 Series
MS102 Series - Compact External Fit Type	
	MSBR-102: 2-Axis Swivel mounting bracket for MS-102 Series

Security Systems

HAWKEYE - Industrial/Farm Security and Intrusion Detection System	
	Industrial/Farm Security and Intrusion Detection System (For Security applications)

Our Commitment

Green: Technologies that are environment friendly
Economical: Reduce cost of usage
Smart Living: Enhanced living experience



Turning Ideas into reality!

Miniature, Low-cost Movement Sensor Switch (mMS Series)

What is a movement sensor switch?

"A movement sensor switch, detects presence / non-presence of people in a room or an area. It switches off lights, fans and air conditioners when nobody is present in room and saves energy.

It also switches on lights, when it senses people in the area and keeps it on if continuously detected. It can be used for energy saving and security applications"



How does it work?



1. When people are using a room, all devices (fan, light, AC etc) left on remain ON as desired.



2. Room becomes empty...



3. A few minutes nobody is present in the room, sensor switches off all the devices that were left on!



4. A person walks in, all the devices that were switched off, instantly turn on (fan, light, AC etc)!

Authorized Distributors/Dealers

Designed, Manufactured in India by



111/0, Emerald Enclave, Behind Infosys
Opp. Sri Rama Mandira, Hebbal Industrial Area
Mysore - 571 606

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Our R&D Unit:
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How does it work?

Movement is detected when an infrared source with one temperature, such as humans passes in front of an infrared source with another temperature (say wall). The sensor itself is passive (PIR: Passive Infra Red). It does not emit any radiation by itself, and instead it relies on IR radiation emitted by all living beings.



A MS501-W2A Special Edition Movement Sensor (White)



A Standard MS501-W2A Sensor

Product Specification

Parameter	Specification
Sensor Range:	MS102-W2A: 20'X20' maximum MS102-M2A: 14'X14' maximum
Operating Voltage:	110-270V AC, 50-60Hz (Wide Voltage range)
Load Capacity:	220 Watts Maximum (460 VA)
Unit Dimensions:	80 X 68 X 32 mm approx.
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) 2A 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
Utility Features:	BYPASS FEATURE: The product has a unique bypass feature using which the sensor can be completely bypassed if required for any special situations.

Unique Sensor BYPASS Facility

Only our sensors come with a Bypass switch (Red switch) to disable the sensor and turn the circuit back into your original circuit in case of any special needs or in the event of service requirement. .

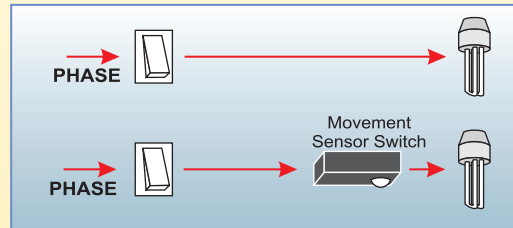
Sensor Range:

We have two types of sensors in MS501 series:

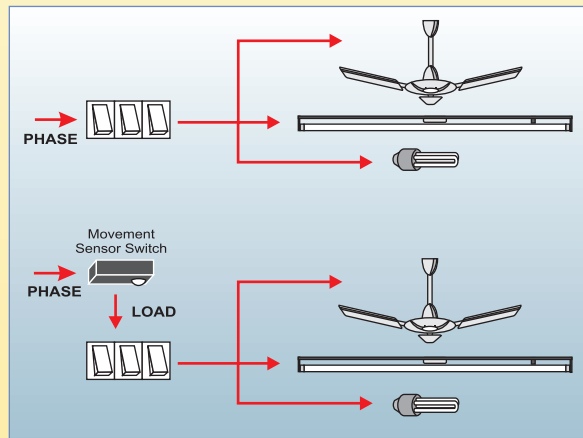
Sensor	Coverage Area	Illustration
Wide	Wide area (20'X20' approx.) For use in basements, parking lots	
Medium	Typical room (14'X14' approx.)	
Narrow	(Discontinued)	

Easy to Install

The product is designed for easy installation without requiring any major modifications to existing electrical wiring. With just three or four wires from the movement sensor to the switch board in a room it can be installed.



Schematic 1: Simple installation



Schematic 2: Integrates seamlessly into existing wiring.

Other Models for industrial/commercial use:

We have many other models available for Industrial and Commercial Applications:

- ⌘ MS-102: Compact external fit type
- ⌘ MS-201: Concealed fit type
- ⌘ MS-101: External Fit type, For Industrial use
- ⌘ Load Units: For driving Air conditioners from Ms501 series sensors.



Where to use?

Energy saving applications

- ⌘ Corridors of large buildings with less usage
- ⌘ Cubicle Areas, Cabins of offices
- ⌘ Conference rooms, office cabins, public buildings
- ⌘ Parking lots of Apartment complexes
- ⌘ Common Areas of Apartment complexes
- ⌘ Rest rooms and Washrooms in hotels, public buildings, office buildings
- ⌘ Basement areas of Apartments and basements
- ⌘ Basements and narrow corridors of Shopping centers
- ⌘ Lab Area, any kind of activity areas in large buildings, factories
- ⌘ Heavy load lighting in Warehouses, storage areas
- ⌘ Standalone/Split Air conditioners in office cabins (Not suitable for Centralized Air conditioning)

Security applications

- ⌘ Outdoor lighting in compounds of houses
- ⌘ Outdoor lighting in hotels, public buildings
- ⌘ In front of Basement door
- ⌘ Basements and narrow corridors of Shopping centers

Utility and Smart-Living (Elder care/Child care)

- ⌘ Switch on corridor/staircase lights on detection
- ⌘ Switch on bathroom lights on entry, conserve energy when not in use
- ⌘ Lights outside the house on detection of people



Optional Accessory

2-Axis Swivel mounting bracket for Miniature Movement Sensor Switch. Allows fine adjustment of sensing zone and orientation after installation.