

MOTION SENSORS

“Seamless Sensing, Effortless Motion: Empowering Tomorrow’s World”



Energy Savings

Our sensors can participate in a new kind of digital ecosystem, in which they can be managed intelligently to save energy within a building or even within a city.

OUR MISSION



Mission

Our mission is to aspire to create a future where motion sensing technology becomes an indispensable part of everyday life, transforming the way we move, interact, and experience the world around us to effortlessly save electricity.



Values

- **Quality:** We set high quality standards in our inhouse production and testing measures.
- **Trust:** Procurement to your warehouse transparency in all we do.
- **Relationship:** Our family values extends to our partners and employees.
- **Innovation:** Innovative solutions tailored to each partner.

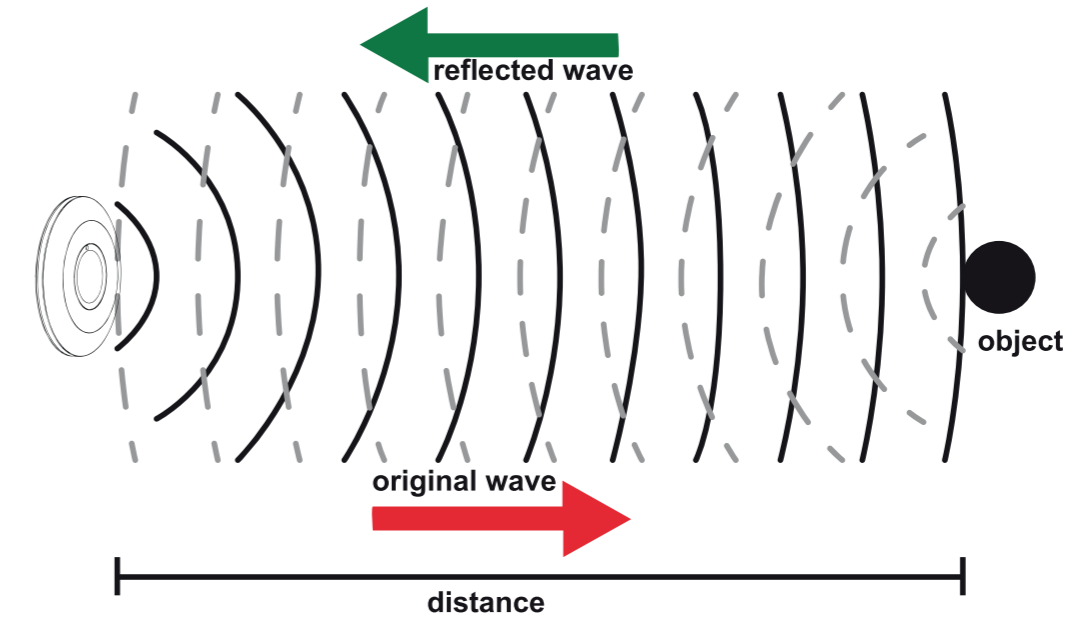


Vision

Our vision is to create a future where we empower individuals and organizations to create smart and sustainable spaces.

Microwave Sensors

How Does a Microwave Motion Sensor Work?



A Microwave Motion Sensor emits waves in the detection area. These waves get reflected back to the receiver when they bounce off a surface. The receiver constantly analyzes the waves that are bounced back. If there is an object/individual moving in the room, these waves are going to be altered and so when the sensor identifies this motion, it automatically sends the signal for initiating the programmed command like opening doors, switching on lights or to sound an alarm.



TS-TECH4T

Wall / Ceiling Mounted - 360°

The TS-Tech4T sensor is a energy-saving switch that adopts a microwave sensor with high-frequency electromagnetic waves and an integrated circuit. This Microwave motion sensor offer reliable and efficient human or animal movement detection, making them ideal for security systems, lighting control, and home automation. This sensor use microwave technology to detect movement, offering high sensitivity and accuracy.



TECHNICAL SPECIFICATION

POWER SOURCE	:	220-240V AC
POWER FREQUENCY	:	50Hz
RATE LOAD	:	1200W (Incandescent), 300W (LED LOAD)
TIME DELAY	:	Min. 10 sec +/- 3 sec, Max. 12 Min +/- 1 min
DETECTION RANGE	:	360°
DETECTION DISTANCE	:	Ceiling 1-8m (radius), Wall: 5-15m Adjustable
AMBIENT LIGHT	:	<3-2000LUX
INSTALL HEIGHT	:	2-6m
DETECTION MOTION SPEED	:	0.6-1.5m/s
IP RATING	:	IP20
WORKING TEMPERATURE	:	-20°C to +40°C
HF SYSTEM:	:	5.8 GHz CW RADAR, ISM BAND
TRANSMISSION POWER	:	0.2 mW



ENERGY
SAVING



WALL: 15M
CEILING: 8M



10SEC - 12MIN



LUX
3-2000LUX



IP20



TS-MW700C

Wall / Ceiling Mounted - 180° / 360°

The TS-MW700C motion sensor offers low power consumption, ensuring efficient energy usage and cost savings. It has Adjustable Detection Distance, Ambient Light, and Time Delay. Customize the settings according to your preferences. You can adjust the detection distance, ambient light sensitivity, and time delay to meet your specific requirements.



TECHNICAL SPECIFICATION

POWER SOURCE	:	220-240V AC
POWER FREQUENCY	:	50Hz
RATE LOAD	:	2000W (Incandescent), 1000W (LED LOAD)
TIME DELAY	:	Min. 10 sec +/- 3 sec, Max. 12 Min +/- 1 min
DETECTION RANGE	:	360°
DETECTION DISTANCE	:	1-8m (radius), Adjustable
AMBIENT LIGHT	:	<3-2000LUX
INSTALL HEIGHT	:	1.5 - 3.5m
DETECTION MOTION SPEED	:	0.6-1.5m/s
IP RATING	:	IP20
WORKING TEMPERATURE	:	-20°C to +50°C
HF SYSTEM:	:	5.8 GHz CW RADAR, ISM BAND
TRANSMISSION POWER	:	0.2 mW
POWER CONSUMPTION	:	Approx. 0.9W
NO. OF WIRES	:	4





TS-MWFL753

Flush Mounted - 360° Detection

The TS-MWFL753 is a new saving-energy switch; it adopts a microwave sensor mould with a high-frequency electromagnetic wave (5.8GHz), integrated circuit. It gathers automatism, convenience, safety, saving energy, and practicality functions. The wide detection field consists of detectors. It works by receiving human motion. When one enters the detection field, it can start the load at once and identify automatically day and night. Its installation is very convenient and its using is very wide. Detection is possible through doors, panes of glass, or thin walls.



TECHNICAL SPECIFICATION

POWER SOURCE	:	220-240V AC
POWER FREQUENCY	:	50Hz
RATE LOAD	:	1200W (Incandescent), 300W (LED LOAD)
TIME DELAY	:	Min. 10 sec +/- 3 sec, Max. 12 Min +/- 1 min
DETECTION RANGE	:	360°
DETECTION DISTANCE	:	1-8m (radius), Adjustable
AMBIENT LIGHT	:	<3-2000LUX
INSTALL HEIGHT	:	1.5 - 3.5m
DETECTION MOTION SPEED	:	0.6-1.5m/s
IP RATING	:	IP20
WORKING TEMPERATURE	:	-20°C to +50°C
HF SYSTEM:	:	5.8 GHz CW RADAR, ISM BAND
TRANSMISSION POWER	:	0.2 mW
POWER CONSUMPTION	:	Approx. 0.9W
NO. OF WIRES	:	3



TS-MW765

Wall Mounted - 180° IP65

The TS- MW765 Microwave sensor that can cut a substantial amount of energy wastage by turning off lights automatically when the area is unoccupied. It is Activated by minimum motion & speed and gives stable performance at temperatures as low as -20°C and as high as 55°C. Motion can be detected through plastic, glass, false ceilings & thin non-metal materials.



TECHNICAL SPECIFICATION

POWER SOURCE	:	220-240V AC
POWER FREQUENCY	:	50Hz
RATE LOAD	:	1200W (Incandescent), 300W (LED LOAD)
TIME DELAY	:	Min. 10 sec +/- 3 sec, Max. 15 Min +/- 2 min
DETECTION RANGE	:	180°
DETECTION DISTANCE	:	5-12m (radius), Adjustable
AMBIENT LIGHT	:	<3-2000LUX
INSTALL HEIGHT	:	1.5 - 3.5m
DETECTION MOTION SPEED	:	0.6-1.5m/s
IP RATING	:	IP65
WORKING TEMPERATURE	:	-20°C to +50°C
HF SYSTEM:	:	5.8 GHz CW RADAR, ISM BAND
TRANSMISSION POWER	:	0.2 mW
POWER CONSUMPTION	:	Approx. 0.9W
NO. OF WIRES	:	3





TS-MWHB759D

Highbay Sensor - 360° with 1-10v Dimming

The TS-MWHB759D product is a new saving-energy switch it adopts a microwave sensor mold with high-frequency electromagnetic waves (5.8GHz) and an integrated circuit. It gathers automatism, convenience, safety, saving energy, and practicality functions. The wide detection field depends on detectors. It works by receiving human motion. When one enters the detection field, it can start the load at once and identify automatically day and night. Its installation is very convenient and its using is very wide. Detection is possible through doors, panes of glass, or thin walls.



TECHNICAL SPECIFICATION

POWER SOURCE	: 220-277V AC
POWER FREQUENCY	: 50 Hz
RATE LOAD	: 2000W (Incandescent), 500W (LED LOAD)
HOLD TIME	: 5sec, 30sec, 90 sec, 3min, 5min, 10min, 20min, 30min
STANDBY TIME	: 10sec, 1min, 5min, 10min, 30min, 60min, ∞, (Choice)
DIMMING LEVEL	: 10%, 20%, 30%, 50%
AMBIENT LIGHT	: 2000, 50, 10, 2 LUX
DETECTION RANGE	: 360°
DETECTION DISTANCE	: 4-10m (radius), Adjustable
INSTALL HEIGHT	: 4-15 meters
DETECTION MOTION SPEED	: 0.6-1.5m/s
WORKING TEMPERATURE	: -20°C to +50°C
IP RATING	: IP65
HF SYSTEM:	: 5.8 GHz CW RADAR, ISM BAND
TRANSMISSION POWER	: 0.2 mW
POWER CONSUMPTION	: Approx. 0.9W
NO. OF WIRES	: 5



ENERGY
SAVING



10M



5SEC - 30MIN



LUX
3-2000LUX



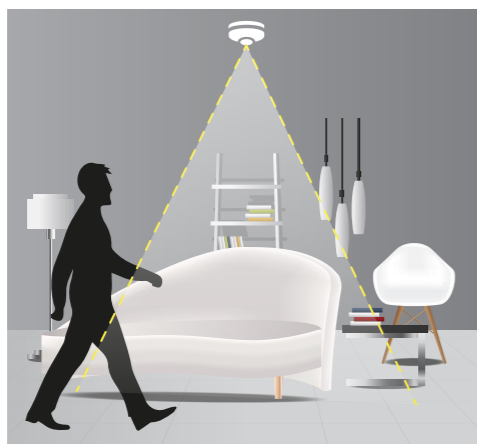
IP65

Passive Infrared Sensor

How does a PIR Motion Sensor Work?



Light off
(No occupants detected)



Light on
(Occupant entering range)



Light on
(Occupant in full range)



Light off
(Occupant exiting range)

Adopt a good sensitivity detector and an integrated circuit. This sensor gathers automatism, convenience, safety, energy-saving, and practical functions. It utilizes the infrared energy from the human body as a control signal source, and it can start the load at once when one enters the detection field. It can automatically identify day and night and is easy to install and a widely used product.



TS-PIRS8

The TS-PIRS8 is a new energy-saving device, it adopts a good sensitivity detector, and integrated circuit. It gathers automatism, convenience, safety, saving energy & and physical functions. It works by receiving human motion infrared rays.

Now Switch ON/OFF your Lights, Bulb, CFL, etc..



TECHNICAL SPECIFICATION

POWER SOURCE	:	220-240V AC
POWER FREQUENCY	:	50Hz
RATE LOAD	:	400W (Incandescent), 100W (LED LOAD)
TIME DELAY	:	Min. 10 sec +/- 3 sec, Max. 7 Min +/- 2 min
DETECTION RANGE	:	360°
DETECTION DISTANCE	:	8m max (<24°C)
AMBIENT LIGHT	:	<3-2000LUX
INSTALL HEIGHT	:	2.2-4m
DETECTION MOTION SPEED	:	0.6-1.5m/s
IP RATING	:	IP20
WORKING TEMPERATURE	:	-20°C to +40°C
WORKING HUMIDITY	:	<93%RH
POWER CONSUMPTION	:	Approx. 0.9W
NO. OF WIRES	:	4





TS-PIRS12

360° Ceiling Mount

TS-PIRS12, PIR Sensor adopts three good sensitivity detectors in an integrated circuit. This sensor gathers automatism, convenience, safety, energy-saving, and practical functions. It utilizes the infrared energy from the human body as a control signal source and it can start the load at once when one enters the detection field. It can automatically identify day and night, is easy to install, and is a widely used product.



TECHNICAL SPECIFICATION

POWER SOURCE	:	220-240V AC
POWER FREQUENCY	:	50Hz
RATE LOAD	:	1200W (Incandescent), 300W (LED LOAD)
TIME DELAY	:	Min. 10 sec +/- 3 sec, Max. 15 Min +/- 2 min
DETECTION RANGE	:	360°
DETECTION DISTANCE	:	12m max (<24°C)
AMBIENT LIGHT	:	<3-2000LUX
INSTALL HEIGHT	:	2.2-4m
DETECTION MOTION SPEED	:	0.6-1.5m/s
IP RATING	:	IP20
WORKING TEMPERATURE	:	-20°C to +40°C
WORKING HUMIDITY	:	<93%RH
POWER CONSUMPTION	:	Approx. 0.9W
NO. OF WIRES	:	3





TS-PIRS20

Occupancy Sensor - 360° Ceiling Mount

The TS-PIRS20 is a new energy-saving switch that adopts a good sensitivity detector and an integrated circuit. This sensor gathers automatism, convenience, safety, energy-saving, and practical functions. It utilizes the infrared energy from the human body as a control signal source, and it can start the load at once when one enters the detection field. It can automatically identify day and night, is easy to install, and is a widely used product.



TECHNICAL SPECIFICATION

POWER SOURCE	:	220-240V AC
POWER FREQUENCY	:	50Hz
RATE LOAD	:	2000W (Incandescent), 500W (LED LOAD)
TIME DELAY	:	Min. 10 Sec + 3 Sec, Max. 30 Min + 2 Min
DETECTION RANGE	:	360°
DETECTION DISTANCE	:	20m max (<24°C)
AMBIENT LIGHT	:	<3-2000LUX
INSTALL HEIGHT	:	2-6m
DETECTION MOTION SPEED	:	0.6-1.5m/s
IP RATING	:	IP20
WORKING TEMPERATURE	:	-20°C to +40°C
WORKING HUMIDITY	:	<93%RH
POWER CONSUMPTION	:	Approx. 0.9W
NO. OF WIRES	:	4



TS-PIR05E

**Occupancy Sensor - 360° Ceiling Mount
(1-10V Dimming & Remote)**

The TS-PIR05E product adopts good sensitivity detector and integrated circuit. It gathers automatism, convenience, safety, saving-energy and practical functions. It utilizes the infrared energy from human as control-signal source and it can start the load at once when one enters detection field. It can identify day and night automatically. It is easy to install and used widely.



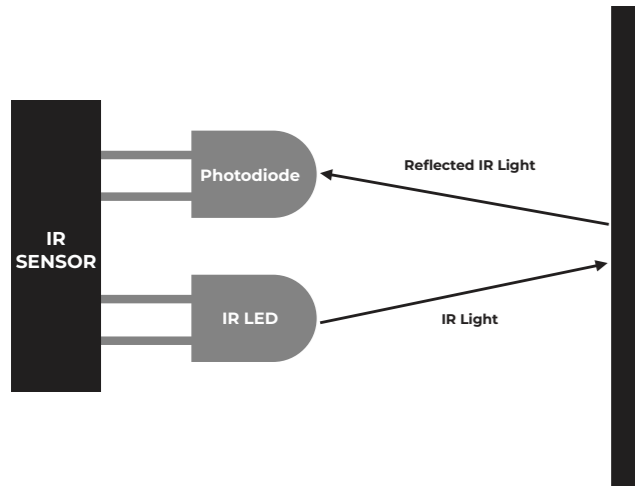
TECHNICAL SPECIFICATION

POWER SOURCE	:	220-240V AC
POWER FREQUENCY	:	50Hz
RATE LOAD	:	2000W (Incandescent), 1000W (LED LOAD)
HOLD TIME	:	Min. 10 Sec ± 3 Sec, Max. 30 Min ± 2 Min
DETECTION RANGE	:	360°
DETECTION DISTANCE	:	8m max (<24°C)
AMBIENT LIGHT	:	<3-2000LUX
INSTALL HEIGHT	:	2.2-4m
DETECTION MOTION SPEED	:	0.6-1.5m/s
IP RATING	:	IP20
WORKING TEMPERATURE	:	-20°C to +40°C
WORKING HUMIDITY	:	<93%RH
POWER CONSUMPTION	:	Approx. 0.5W
STAND-BY DIMMING LEVEL	:	Off, 10%, 20%, 30% (Choice)
STAND-BY PERIOD	:	5min, 10min, 15min, 30min, 60min, + ∞, (Choice)



Wardrobe/Cabinet/Closet Sensors

How does a Wardrobe/Cabinet/Closet Sensors Sensor Work?



The operation is simple, each sensor acts as a contactless switch allowing for automatic turn on/off of any connected LED tape light or 12V/24V LED accessory. When movement is detected by opening or closing a left/right door of a cabinet or wardrobe the sensor will illuminate (on) or power down (off).





TS-IR06

Single Door - DC12V

TS-IR06 IR Wardrobe/Cabinet sensors can contribute to energy efficiency by controlling the operation of lighting or cooling systems within the cabinet. By detecting the presence or absence of personnel or the opening/closing of doors, the sensor can automatically turn on or off lights or adjust cooling systems to optimize energy consumption.



TECHNICAL SPECIFICATION

Power Supply	:	DC 12V
Max switching capacity	:	60W
Cable length	:	1200mm
IP Rating	:	IP20
Sensor distance	:	5-10cm



TS-IR123

Single Door - 230V AC

TS-IR123 IR Wardrobe/Cabinet sensors can detect the opening and closing of cabinet doors or access panels using infrared beams. They monitor the presence or absence of an object, such as a door, in its path. This enables the sensor to monitor the status of the cabinet door and trigger actions based on door opening or closing events. Our IR cabinet sensors can contribute to energy efficiency by controlling the operation of lighting or cooling systems within the cabinet. By detecting the presence or absence of personnel or the opening/closing of doors, the sensor can automatically turn on or off lights or adjust cooling systems to optimize energy consumption.



TECHNICAL SPECIFICATION

POWER SOURCE	:	220-240V AC
RATED LOAD	:	50Hz
RATE LOAD-CURRENT	:	5A (LED Strip lights)
RECOMMENDED- LOAD	:	STRIP LIGHTS, PROFILE LIGHTS
SENSING DISTANCE	:	5-6 cm
INSTALLATION	:	SURFACE MOUNT
DIMENSIONS	:	15mm * 13 mm
IP RATING	:	IP20

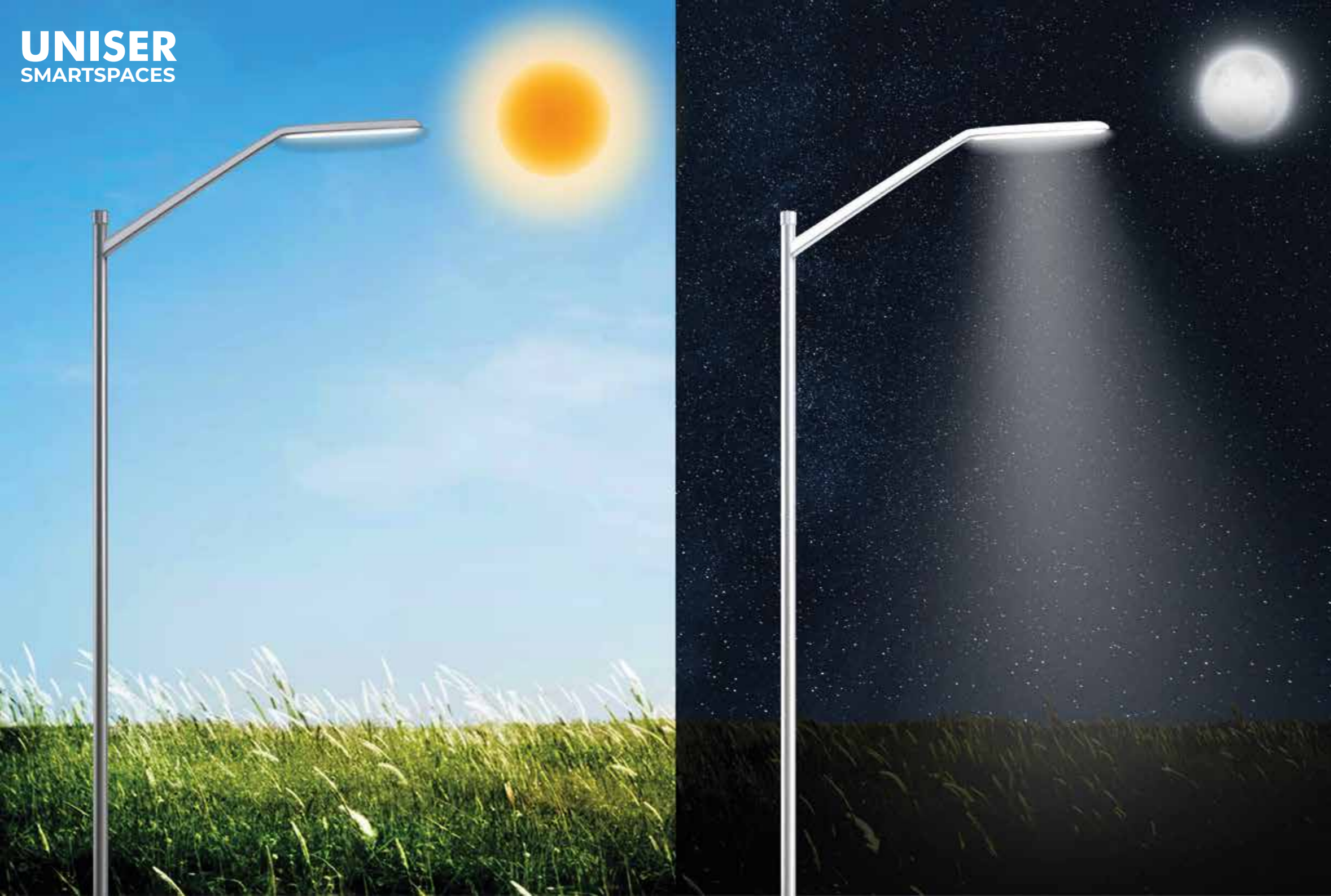
Light Control Sensor

How does a Light Control Sensor Work?



Light sensors work by the photoelectric effect. Light can behave as a particle, referred to as a photon. When a photon hits the metal surface of the light sensor, the energy of the light is absorbed by the electrons, increasing their kinetic energy and allowing them to be emitted from the material.





TS-PC302

Light Control

TS-PC302 is an automatic photocell switch for lamps, Street lights, Outdoor Lights. The light will turn on when the ambient light darkens to the LUX that you set in advance. The light will turn off when the ambient light is more than the setting LUX. It is equipped with the functions of LUX adjustable.



TECHNICAL SPECIFICATION


















POWER SOURCE	:	220-240V AC
POWER FREQUENCY	:	50Hz
RATE LOAD-CURRENT	:	10 A
AMBIENT LIGHT	:	<2-50LUX
WORKING TEMPERATURE	:	-20°C to +50°C
IP RATING	:	IP44
NO. OF WIRES	:	3

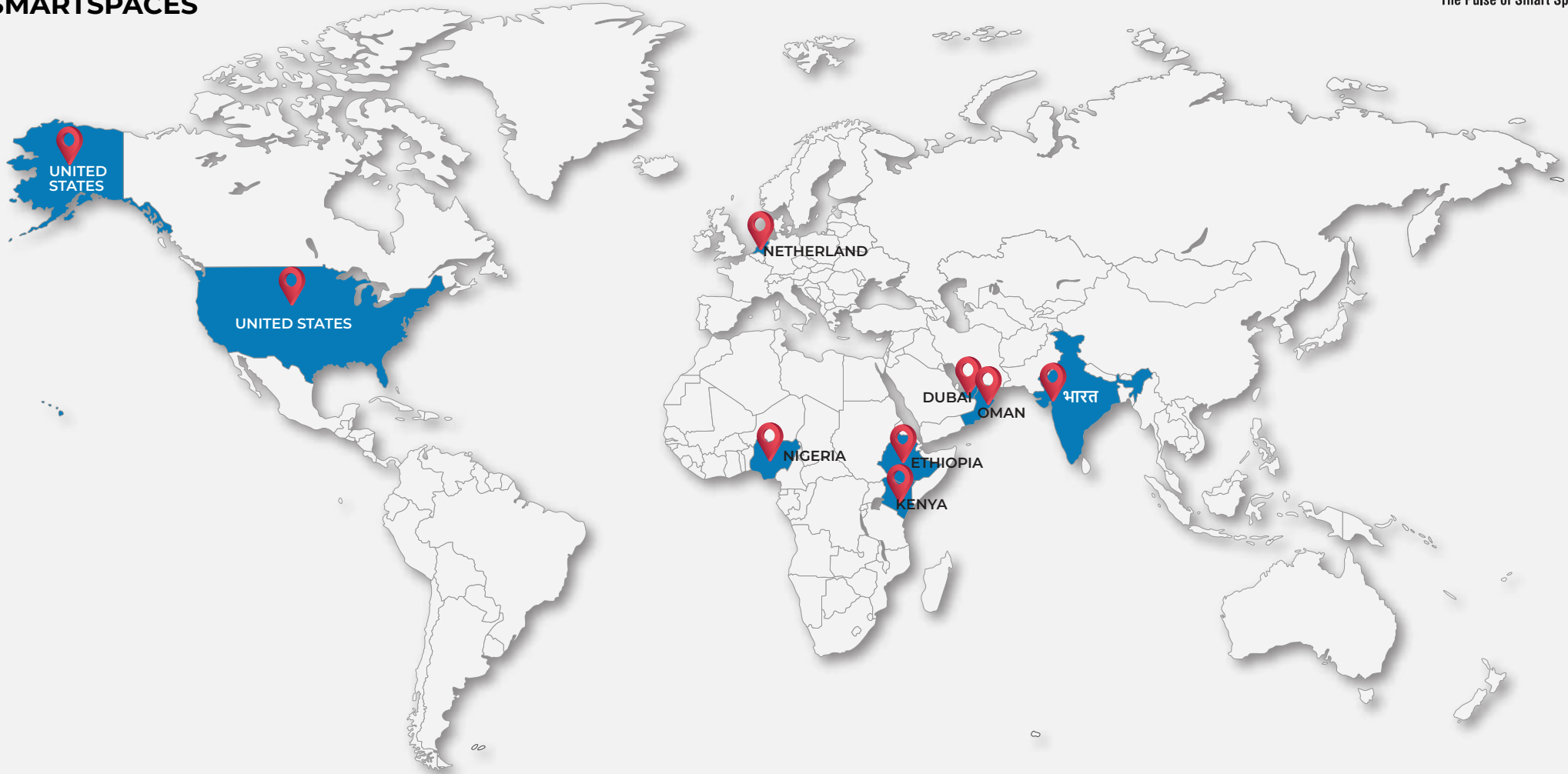


SAVE ELECTRICITY WITH MOTION SENSORS



APPLICATIONS

- | | | | | | |
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Bank | 
Hospital | 
Institute | 
School/College | 
Hotel | 
Shopping Mall |
| 
Bus Station | 
Railway Station | 
Airport | 
Parking Area | 
Home | 
Restaurant |
| 
Passageways | 
Stair | 
Park/Garden | 
Manufacturing Unit | 
Township | 
Warehouse |



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