

# Product profile

# Argus Occupancy Sensor



## Names

### Schneider Electric Name

Single-Load 360° Dual-technology Occupancy Sensor

Product Code: SAE\_UE\_MS\_CU\_WE

Range Name: Argus

## About this Product

SAE\_UE\_MS\_CU\_WE integrates advanced PIR and ultrasonic (US) technologies in one unit. It is suitable for indoor application which is ideal for using in home, open-plan office, multi-stall public restroom, conference room, underground parking lots, classroom, library, etc. With its knobs and IR remote controller, the time, ultrasonic sensitivity, Lux, ACC (Air Current Compensation) function and PIR/US triggering method can be adjusted as user desired to match different application requirements and energy saving for switching light on and off.



SAE\_UE\_MS\_CU\_WE

Single-Load 360° Dual Technology  
Occupancy Sensor

## Technical Characteristics

> Sensing Technology: Dual Technology	> Suitable for the following light load:
> Angle of Detection: 360 °	> Incandescent lamp: Max. 2000W
> Type of Installation: Ceiling(Surface/Flush)	> AC halogen lamp: Max. 1000W
> Rated Voltage: 230VAC+/-10%, 50/60Hz	> LV halogen lamp: Max. 1000VA
> Detection Range:8M (diameter) at 2.5M height	> Fluorescent lamp: Max. 900VA/100µF
> Weather Protection: IP20	> Energy saving lamp: Max. 80VA
	> Color: White

## Key Users

> Electrician/Contractors	> Architects/Designers
> End Users	

## Typical Applications

> Large commercial spaces	> Senior officers cabins
> conference rooms, lobbies	> Libraries, Parking areas,
> Datacenters	> Open warehouses
> Residential Stairwell	



SAE\_UE\_MS\_IR10T  
IR Remote Controller for  
Dual-Tech Sensor  
Sold Separately

## Key Features - Benefits - Advantages

Feature	Advantage	Benefit
Multiple mounting styles	Ceiling flush or surface mounting	Good for new building and retrofitting
Dual technology	Combination of PIR and Ultrasonic technologies to benefit from the strengths of both while at the same time eliminating their weaknesses	Ensure maximum sensitivity and coverage in tough applications for optimal reliability and energy savings
Multiple trigger method	PIR, US, PIR+US or PIR/US can be selected depending on the size of movement, application or area of detection	Suits specific application requirement
ACC function	Protect the sensor from the interference of the airflow and wind	Suits specific application requirement
Lux level sensing	Detection can be set to specific level of ambience Lux level (between 10-1000 lux), triggering takes place once ambient falls below the set level	Make energy saving more efficient
Time delay adjustable	Adjustable from 5 sec to 30 min	Gives user more options
Aesthetically Pleasing	Can position the sensor in almost any location	Suits most decors.

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Feature	Advantage	Benefit
LED indication	Led illuminates when the sensor is activated	Excellent fault finding tool. If the sensor is not operating you can see at a glance.
Blanking detection shroud	Enables the detection field to be optimized.	Reduces unwanted activations
Warranty	12 month standard warranty Refer to terms and conditions on <a href="http://www.schneider-electric.com/nz">www.schneider-electric.com/nz</a>	Peace of mind for installer and householders

## FAQ

Questions	Answer
What is the detection range?	PIR: 360° circular, adjustable up to $\Phi$ 8m US: 360°, adjustable up to 10m x 16m, it's an oval shape, at the height of 2.5 m
How does the sensitivity adjustment work?	Sensitivity can be adjust for different requirement by adjust the knob setting or use remote control to set Lux value (10Lux to 1000Lux), time (5sec to 30min), US sensitivity (Min. approx. an oval shape of 2x4m; Max. approx. an oval shape of 10x16m), ACC function, and PIR/US trigger method selection
Can I stop triggering my sensor when I walk past my room in the hallway?	Yes. We provide a blank shroud that can be cut to suit most installations.
What IP rating does the sensor have?	IP20 rating, suitable for indoor installation only
Can I put the sensor anywhere?	No. You should take care to avoid aiming the sensor toward any heat sources, such as air conditioning, electric fans, heaters or any highly reflective surfaces. Make sure there are no swaying objects within the detection coverage.
Why does the lighting device sometimes not turn on?	If there is no malfunctioned loads connected, could be the ambient light level is too high. Set Lux value above the ambient light level then trigger the detector and check the load is switching.
Can I wire the sensors in parallel?	Yes. To a maximum of 4 units.

## To Specify / Order you need to ask the following...

- > Where will it be used: Indoor/Outdoor? Open area / Area with obstructions?
- > Mounting styles: Ceiling/Wall mounting? Surface/Flush mounting?
- > Single/Dual load?

## Potential Add On

- > SAE\_UE\_MS\_CU\_WE can be programmed by IR remote Controller (It is for optional purchase).
- > Surge Protection
- > Control Switch ie. Saturn, Modena, Strato, Slimline

## Terminology

PIR – Passive Infrared Technology	Detecting the difference between heat emitted from the human body in motion and the background space
US – Ultrasonic Technology	Works by transmitting ultrasonic sound waves throughout an area and measuring the speed at which they return
Dual Technology	Passive Infrared technology + Ultrasonic Technology. Combination of PIR and Ultrasonic technologies to benefit from the strengths of both while at the same time eliminating their weaknesses
Lux	The unit of illuminance and luminous emittance measuring luminous power per area.
HVAC	Heating, ventilation, and Air Conditioning, refers to technology of indoor or automotive environmental comfort
ACC	Air Current Compensation