
Dual Technology Ceiling Mounted Occupancy Sensor - 360° or 180°

Schneider Electric Ceiling Mounted Occupancy Sensors provide dependable occupancy detection for energy-saving lighting control solutions. The low voltage Dual Technology Ceiling Mounted Occupancy Sensor is central to a wide range of code-compliant applications. It can be used with Schneider Electric's Power Pack, Occupancy Controller, additional sensors, and dimming devices as needed to create the ideal lighting control solution. Additionally, it has an isolated relay contact for interfacing with HVAC, security, or building automation systems.

The dual technology sensor combines the benefits of passive infrared (PIR) and ultrasonic technologies. PIR sensing provides line-of-sight detection while an ultrasonic signal picks up movement behind or around obstructions.

Energy-saving features include a built-in light level sensor that keeps lights from turning on when ambient light already exceeds a set threshold. Motion sensitivity and minimum time out delay can be set to best serve user preferences and energy-management goals. The sensor comes factory preset at the optimal time out value for energy efficiency and lamp life.

A flexible design makes the sensor easy to install. It can be mounted directly to a ceiling tile or an electrical box. An adapter plate for electrical boxes is included.

> Applications

The Dual Technology Ceiling Mounted Occupancy Sensor is available in four models:

- SLSCDS501: 360° Coverage for rooms up to 500 sq. ft. (46.45 sq. m). Ideal for conference rooms.
- SLSCDS1001: 360° Coverage for rooms up to 1,000 sq. ft. (92.90 sq. m). Ideal for training rooms.
- SLSCDS2001: 360° Coverage for rooms up to 2,000 sq. ft. (185.80 sq. m). Ideal for open office areas.
- SLSCDS801: 180° Coverage for rooms up to 800 sq. ft. (74.32 sq. m). Ideal for large private offices.

> Features

- Adjustable PIR and ultrasonic sensitivity dials
- Bypass On mode
- Adjustable time out delay setting
- Automatic adaptive timeout for convenience and energy savings
- Ambient light level sensor
- Dual LED motion indicators
- Test mode for easy setup
- Isolated Class 2 relay



*Dual Technology
Ceiling Mounted Sensor-360°*



*Dual Technology
Ceiling Mounted Sensor-180°*

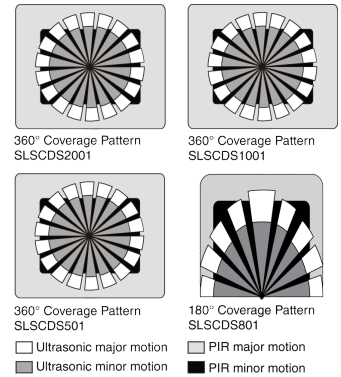
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Coverage Patterns

	SLSCDS2001		SLSCDS1001		SLSCDS501		SLSCDS801	
	PIR	US	PIR	US	PIR	US	PIR	US
Major motion	32 ft. dia. (975.4cm dia.)	48 x 42 ft. (1643 x 1280cm)	32 ft. dia. (975.4cm dia.)	36 x 30 ft. (1097 x 1914cm)	24 ft. dia. (731.5cm dia.)	24 x 21 ft. (731.52 x 640.1cm)	32 x 28 ft. (975.4 x 853.4cm)	32 x 32 ft. (975.4 x 975.4cm)
Minor motion	25 ft. dia. (762.0cm dia.)	30 x 24 ft. (1914 x 731.5cm)	25 ft. dia. (762.0cm dia.)	24 x 20 ft. (731.5 x 609.6cm)	(17 ft. dia.) (609.6cm dia.)	16 x 15 ft. (487.7 x 396.24cm)	25 x 22 ft. (762.0cm x 670.6cm)	25 x 25 ft. (762 x 762cm)



PIR = Passive Infrared; US = Ultrasonic Dimensions = W x H

Specifications and Features


360° Sensor

Description	SLSCDS2001	SLSCDS1001	SLSCDS501
Coverage area	2000 sq. ft.	1000 sq. ft.	500 sq. ft.
Field of view	360°		
Ambient light level sensing	0.5-250 foot candles		
Adjustable time delay	15 sec.-30 min.		
Adjustable sensitivity	200-2000 sq. ft. (10-100% of max. coverage)	100-1000 sq. ft. (10-100% of max. coverage)	50-500 sq. ft. (10-100% of max. coverage)
Isolated relay	Form C contacts for Class 2 signaling		
LED motion indicators	PIR (red) Ultrasonic (green)		

180° Sensor

Description	SLSCDS801
Coverage area	1000 sq. ft.
Field of view	180°
Ambient light level sensing	0.5-250 foot candles
Adjustable time delay	15 sec.-30 min.
Adjustable sensitivity	600-1000 sq. ft. (10-100% of max. coverage)
Isolated relay	Form C contacts for Class 2 signaling
LED motion indicators	PIR (red) Ultrasonic (green)

Standards and Electrical Specifications

Standards	SLSCDS2001 and SLSCDS1001	SLSCDS501 and SLSCDS801
	UL and cUL Listed / FCC Part 15, Home and Office Use (Class B) / California Title 24 Certified	
Specifications		
Current Consumption @ 24VDC*	Active: 22mA	Active: 22mA
Isolated relay	Contact rating: 1A @24Vdc Resistive	
Operating Temperature	32 to 122°F (0 to 50°C)	
Humidity	0 to 90% RH non-condensing	
*Control power must be provided by the Power Pack ~SLSP1277 or an approved equivalent.		

Warranty: All Schneider Electric lighting control devices are backed by a five-year warranty and expert support by factory-trained lighting control specialists.

Ordering Information

Catalog Number	Description
SLSCDS2001	Ceiling Mounted Occupancy Sensor, Dual Technology, 360°, 2000 sq ft. coverage area
SLSCDS1001	Ceiling Mounted Occupancy Sensor, Dual Technology, 360°, 1000 sq ft. coverage area
SLSCDS501	Ceiling Mounted Occupancy Sensor, Dual Technology, 360°, 500 sq ft. coverage area
SLSCDS801	Ceiling Mounted Occupancy Sensor, Dual Technology, 180°, 800 sq ft. coverage area