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# Ultrasonic 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 Ultrasonic Ceiling Mounted Occupancy Sensor is central to a wide range of code-compliant applications. It can be paired 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.

Using ultrasonic technology, this device can detect movement behind or around obstructions. It is highly resistant to false off events.

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 Ceiling Mounted Ultrasonic Occupancy Sensor is available in four models:

- SLSCUS501: 360° Coverage for rooms up to 500 sq. ft. (46.45 sq. m). Ideal for multi-stall restrooms.
- SLSCUS1001: 360° Coverage for rooms up to 1,000 sq. ft. (92.90 sq. m). Ideal for laboratories.
- SLSCUS2001: 360° Coverage for rooms up to 2,000 sq. ft. (185.80 sq. m). Ideal for large hallways.
- SLSCUS801: 180° Coverage for rooms up to 800 sq. ft. (74.32 sq. m). Ideal for snack rooms and storage rooms.

## > Features

- Adjustable ultrasonic sensitivity dial
- Bypass On mode
- Adjustable timeout delay setting
- Automatic adaptive timeout for convenience and energy savings
- Ambient light level sensor
- LED motion indicator
- Test mode for easy setup
- Isolated Class 2 relay



*Ultrasonic Ceiling Mounted  
Occupancy Sensor - 360°*



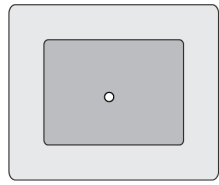
*Ultrasonic Ceiling mounted  
Occupancy Sensor - 180°*

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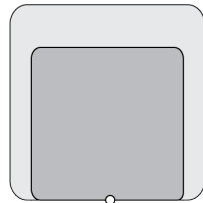
Make the most of your energy <sup>SM</sup>

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## > Orientation and Coverage Patterns



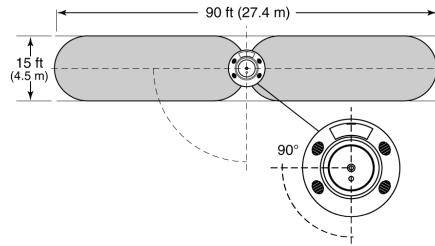
360° Ultrasonic - SLSCUS2001, SLSCUS1001, SLSCUS501



180° Ultrasonic - SLSCUS801

□ Ultrasonic major motion    ■ Ultrasonic minor motion

### Hallway Application - SLSCUS2001



(Dimensions = W x H)

	SLSCUS2001	SLSCUS1001	SLSCUS501	SLSCUS801
Major motion	48 x 42 ft. (1643 x 1280cm)	36 x 30 ft (1097 x 1914cm)	24 x 21 ft. (731.5 x 640.1cm)	32 x 32 ft. (975.4 x 975.4cm)
Minor motion	30 x 24 ft (1914 x 731.52cm)	24 x 20 ft. (731.5 x 609.6cm)	16 x 15 ft. (487.7 x 396.24cm)	25 x 25 ft. (762 x 762cm)

## > Specifications and Features


### 360° Sensor

Description	SLSCUS2001	SLSCUS1001	SLSCUS501
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	1 (red)	1 (red)	1 (red)

### 180° Sensor

Description	SLSCUS801
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	1 (red)

### Standards and Electrical Specifications

Standards	SLSCUS2001 and SLSCUS1001	SLSCUS501 and SLSCUS801
	UL and cUL Listed FCC Part 15, Home and Office Use (Class B) California Title 24 Certified	
Specifications		
Current Consumption @ 24VDC*	Active: 20mA	Active: 20mA
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.		

### Ordering Information

Catalog Number	Description
SLSCUS2001	Ceiling Mounted Occupancy Sensor, Ultrasonic, 360°, 2,000 sq. ft. coverage area
SLSCUS1001	Ceiling Mounted Occupancy Sensor, Ultrasonic, 360°, 1,000 sq. ft. coverage area
SLSCUS501	Ceiling Mounted Occupancy Sensor, Ultrasonic, 360°, 500 sq. ft. coverage area
SLSCUS801	Ceiling Mounted Occupancy Sensor, Ultrasonic, 180°, 800 sq. ft. coverage area

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