legrand®

Pass & Seymour

Commercial Occupancy Sensors
Ceiling Mount & Wall or Ceiling Mount
Passive Infrared, Ultrasonic & Dual Technology

CS500, CS1200, HS1001, WA1001, CSU600, CSU1100, CSU2200, CSD1000

Make energy savings automatic, and extend lamp life

Leaving lights on in unoccupied spaces wastes energy and money. Our ceiling mount sensors monitor room occupancy and control the lights, and are an ideal fit for commercial applications where mounting can be difficult. All models offer manually selected time intervals from as little as 15 seconds to as much as 30 minutes — so it's easy to optimize operation to minimize electrical consumption. Used with the required power packs, these quality sensors can handle up to 20 Amps of fluorescent lighting or up to 13 Amps of incandescent lighting — enough to manage the lighting needs of large rooms and hallways.



FEATURES & BENEFITS



Attractive, contemporary design is a great fit in any décor.

PIR, ultrasonic or dual-technology design choose the technology that works best for your application.

Quality construction ensures dependability and a long service life.

LED detection indication.

Versatile control combine sensors to cover large areas and use multiple power packs for multiple circuits.

Adjustable sensitivity enables fine-tuning for optimum response.

Adjustable time delay to help maximize energy savings and convenience, from 15 seconds to 30 minutes.

CSD1000

FIELD USES/VERTICAL MARKETS

- Industrial
- Institutional
- Health Care
- Retail/Office
- Education
- Hospitality/Lodging

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ORDERING INFORMATION

Catalog Number	Description	Rating	Coverage	Override & Output Disable	Color
Wall or Ceiling Mount Passive Infrared (PIR) Sensors					
HS1001	PIR Long Range Hallway Occupancy Sensor	24VDC Input, Requires Power Pack, 8mA	90 Linear Ft.	No	White
WA1001	PIR Wide Angle Occupancy Sensor	24VDC Input, Requires Power Pack, 8mA	1,200 Sq. Ft.	Yes	White
Low-Profile Ceiling Mount Passive Infrared (PIR) Sensors					
CS500	PIR Occupancy Sensor	24VDC Input, Requires Power Pack, 11mA	360°, 500 Sq. Ft.	No	White
CS1200	PIR Occupancy Sensor	24VDC Input, Requires Power Pack, 11mA	360°, 1,200 Sq. Ft.	No	White
Ultrasonic Ceiling Mount Sensors					
CSU600	Ultrasonic Occupancy Sensor	24VDC Input, Requires Power Pack, 27mA	360°, 600 Sq. Ft. One-Sided	Yes	White
CSU1100	Ultrasonic Occupancy Sensor	24VDC Input, Requires Power Pack, 30mA	360°, 1,100 Sq. Ft. Two-Sided	Yes	White
CSU2200	Ultrasonic Occupancy Sensor	24VDC Input, Requires Power Pack, 30mA	360°, 2,200 Sq. Ft. Two-Sided	Yes	White
Dual Technology Low-Profile Ceiling Mount Sensors					
CSD1000	Dual Technology Occupancy Sensor	24VDC Input, Requires Power Pack, 35mA	360°, 1,000 Sq. Ft. Two-Sided	Yes	White

Catalog Number	Description	Input Voltage	Load Ratings (Amps) Ballast	Incan.	Motor	Output
Power Packs & Add-A-Relay						
PWP2120	**Power Pack**	120	20	13	1HP	24VDC 150mA
PWP2277	**Power Pack**	277	20	—	1HP	24VDC 150mA
AR120/277	**Add-A-Relay**	120/277	20	13	1HP	*0

* Add-A-Relay has a current consumption of 36mA.

For Technical Specifications for Power Packs and Add-A-Relay, and for additional diagrams and warranties, please refer to our Catalog or visit our website.

For more information on these and other P&S products refer to our Catalog or visit our web site.

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TECHNICAL SPECIFICATIONS

3rd Party Compliance

cULus Listed, UL508 and C22.2 No. 14. Conforms to NEMA WD-1 and WD-6, California Title 24 Compliant.

Performance

Electrical	
Supply Voltage	+24VDC Typical
Minimum Supply Voltage CSU2200: +20VDC	HS1001, WA1001, CS500, CS1200, CSU600, CSU1100,
Maximum Supply Voltage CSU2200: +30VDC	HS1001, WA1001, CS500, CS1200, CSU600, CSU1100,
Sensor Output	HS1001, WA1001, CS500, CS1200, CSU600, CSU1100, CSU2200: +24VDC for external relay DC coil drive, Maximum Output Current: 100mA DC; CSD1000: +24VDC for external relay DC coil drive, Current Consumption: 35mA
Sensor	
Technology	HS1001, WA1001, CS500, CS1200: Passive Infrared CSU600, CSU1100, CSU2200: Ultrasonic CSD1000: Ultrasonic & Passive Infrared
Time Delay	Adjustable 15 sec. to 30 min.
Light Level Adjustment	No
Sensitivity Adjustment	HS1001, WA1001, CS500, CS1200, CSU600, CSU1100, CSU2200: 14% to 100%; CSD1000: Ultrasonic Min. to Max. (trim pot), Passive Infrared: 30% to 100% (dip switches)
Spectral Response	HS1001, WA1001, CS500, CS1200: 6 to 14 Þm
Field of View	HS1001: 13°; WA1001: 88°; CS500, CS1200: 110° Vertical, 360° Horizontal
Frequency	CSU600, CSU1100, CSU2200: 32 kHz +/- 4 Hz CSD1000: 40 kHz
Coverage	HS1001: 90 linear feet typical; WA1001: Up to 1200 sq. ft.; CS500, CS1200: Up to 900 sq. ft.; CSU600, CSU1100, CSU2200: Up to 600/1100/2200 sq. ft.; CSD1000: Ultrasonic 1076 sq. ft. (100 sq. m.), Passive Infrared 1290 sq. ft. (120 sq. m.)
Indicator Light(s)	HS1001, WA1001, CS500, CS1200, CSU600, CSU1100, CSU2200: Red LED flashes when motion is detected CSD1000: Red & Green LEDs
Lens Type	HS1001: Two horizontal layers WA1001: Four horizontal layers CS500, CS1200: Multi-zone fresnel type
Sensor Type	CSU600, CSU1100, CSU2200: Multi-directional transmitter/receiver with quartz oscillator
Environment	
Temperature Range	HS1001, WA1001, CS500, CS1200, CSU600, CSU1100, CSU2200: 0°C to 35°C CSD1000: 32°F to 131°F (0°C to 55°C)
Non-condensing Relative Humidity	20 to 90%
Mechanical	
Enclosure Material	Thermoplastic, UV-resistant plastic
Mounting CSD1000	Mounting hardware for acoustic ceiling tile and keyhole mounting template included

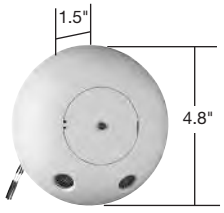
TITLE 24 ENERGY SAVER



WA1001, HS1001



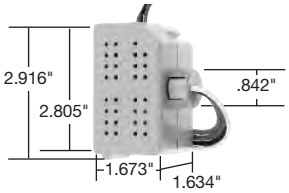
CS500, CS1200



CSU600, CSU1100, CSU2200

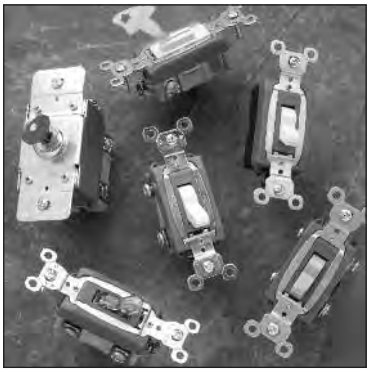


CSD1000

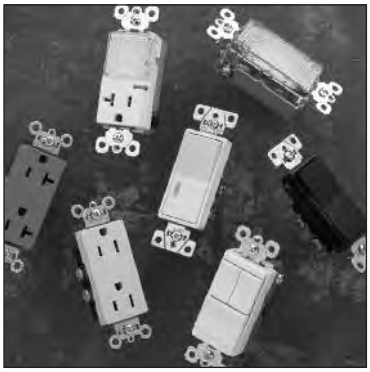


PWP2120, PWP2277, AR120/277

COMPLEMENTARY DEVICES & ACCESSORIES



SWITCHES
- Extra Heavy-Duty
- Extra Heavy-Duty Lighted
- Extra Heavy-Duty Security
- Extra Heavy-Duty Locking
- Hard Use
- Commercial Grade



DECORATOR DEVICES
- Construction Grade Switches
- Specification Grade Combo Switches
- Construction Grade Receptacles
- Commercial Grade Receptacles
- Specification Grade Hallway Lights



STRAIGHT BLADE RECEPTACLES
- Extra Heavy-Duty
- Heavy-Duty
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- Construction Grade
- Construction Grade Leaded
- Commercial Grade



WALL PLATES
- TradeMaster® Thermoplastic Nylon
- Screwless Polycarbonate
- Stainless Steel
- Brass
- Aluminum
- Dustproof Stainless Steel Covers

ALSO AVAILABLE...

- Hospital Grade Devices
- PlugTail™ Devices
- TVSS & Isolated Ground Devices
- Ground Continuity Monitoring (GCM)
- Straight Blade Plugs & Connectors
- Turnlok® Locking Devices
- Weatherproof Boxes & Covers
- IEC 309 Industrial Products
- Flexcor® Wire Mesh Grips

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SF3501R1 — Updated March 2010 — For latest specs visit www.legrand.us/passandseymour

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Ultrasonic Ceiling Mount Sensors					
CSU600	Ultrasonic Occupancy Sensor	24VDC Input, Requires Power Pack, 27mA	360°, 600 Sq. Ft. One-Sided	Yes	White
CSU1100	Ultrasonic Occupancy Sensor	24VDC Input, Requires Power Pack, 30mA	360°, 1,100 Sq. Ft. Two-Sided	Yes	White
CSU2200	Ultrasonic Occupancy Sensor	24VDC Input, Requires Power Pack, 30mA	360°, 2,200 Sq. Ft. Two-Sided	Yes	White
Dual Technology Low-Profile Ceiling Mount Sensors					
CSD1000	Dual Technology Occupancy Sensor	24VDC Input, Requires Power Pack, 35mA	360°, 1,000 Sq. Ft. Two-Sided	Yes	White

Catalog Number	Description	Input Voltage	Load Ratings (Amps) Ballast	Incan.	Motor	Output
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Performance

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Supply Voltage	+24VDC Typical
Minimum Supply Voltage CSU2200: +20VDC	HS1001, WA1001, CS500, CS1200, CSU600, CSU1100,
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Sensor Output	HS1001, WA1001, CS500, CS1200, CSU600, CSU1100, CSU2200: +24VDC for external relay DC coil drive, Maximum Output Current: 100mA DC; CSD1000: +24VDC for external relay DC coil drive, Current Consumption: 35mA
Sensor	
Technology	HS1001, WA1001, CS500, CS1200: Passive Infrared CSU600, CSU1100, CSU2200: Ultrasonic CSD1000: Ultrasonic & Passive Infrared
Time Delay	Adjustable 15 sec. to 30 min.
Light Level Adjustment	No
Sensitivity Adjustment	HS1001, WA1001, CS500, CS1200, CSU600, CSU1100, CSU2200: 14% to 100%; CSD1000: Ultrasonic Min. to Max. (trim pot), Passive Infrared: 30% to 100% (dip switches)
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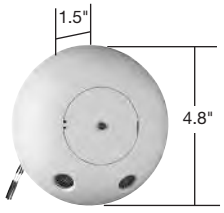
TITLE 24 ENERGY SAVER



WA1001, HS1001



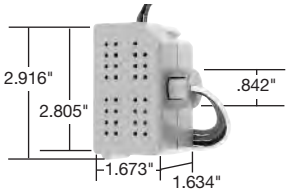
CS500, CS1200



CSU600, CSU1100, CSU2200

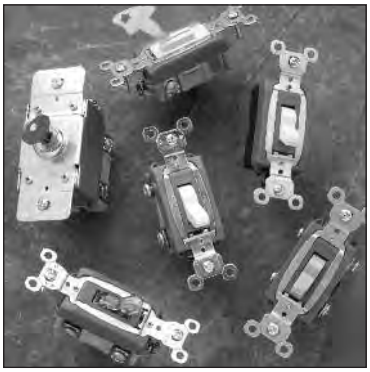


CSD1000

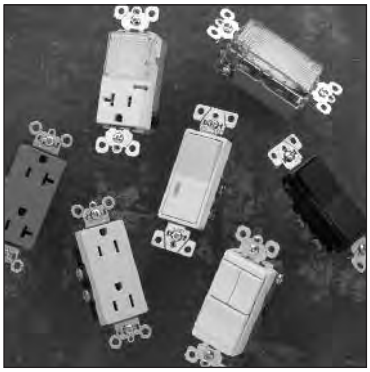


PWP2120, PWP2277, AR120/277

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