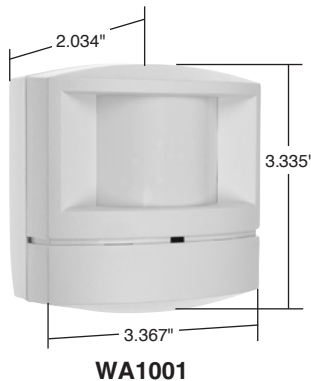


# Technical Specifications PIR Wide Angle Sensor – WA1001



### Typical Specifications

Wide angle motion sensors shall be cULus Listed, and California Title 24 Compliant as provided by Pass & Seymour/Legrand. Sensors shall be ceiling or wall mount type, capable of detecting infrared emissions from personnel movement, and switching lighting and HVAC systems on and off based on occupancy. Wide angle motion sensor switch shall make use of optics that operate within an 88° field of view, offering a typical coverage of up to 1200 sq ft. Mounting shall be wall or ceiling. Motion sensor switch must be used in conjunction with the PWP120 (120VAC supply) or PWP277 (277VAC supply) switching modules, and capable of handling additional loads with the support of an Add-A-Relay AR120/277. Also, the sensor shall offer a time delay adjustment from 15 seconds to 30 minutes, as well as an override. Conforms to NEMA WD-1 and WD-6.

Catalog Number	Description
WA1001	Passive Infrared Wall/Ceiling Sensor

### Performance

<b>Electrical</b>	
Supply Voltage	+ 24VDC Typical
Minimum Supply Voltage	+ 20VDC
Maximum Supply Voltage	+ 30VDC
Sensor Output	+ 24VDC for external relay DC coil drive Maximum Output Current: 100mA DC
<b>Sensor</b>	
Technology	Passive Infrared
Time Delay	Adjustable 15 sec. to 30 min.
Light Level Adjustment	No
Sensitivity Adjustment	14% to 100%
Spectral Response	6 to 14 μm
Field of View	88°
Coverage	Up to 1200 sq. ft.
Indicator Light	Red LED flashes when motion is detected
Lens Type	Four horizontal layers
<b>Environment</b>	
Temperature Range	0°C to 35°C
Non-condensing Relative Humidity	20 to 90%
<b>Mechanical</b>	
Enclosure Material	Thermoplastic, UV-resistant plastic
Color	White
<b>Third Party Compliance</b>	
	cULus Listed – UL508 and C22.2 No. 14 California Title 24 Compliant

Wiring Diagrams on Page M-11.

Project
Location/Type



# Technical Specifications PIR Hallway Sensor – HS1001

Pass & Seymour



**Typical Specifications**  
Hallway motion sensors shall be cULus Listed, and California Title 24 Compliant as provided by Pass & Seymour/Legrand. Sensors shall be ceiling or wall mount type, capable of detecting infrared emissions from personnel movement, and switching lighting and HVAC systems on and off based on occupancy. Hallway motion sensor switches shall make use of optics that operate within field of view 90 feet long by 20 feet wide. Mounting shall be wall or ceiling. Motion sensor switch must be used in conjunction with the PWP120 (120VAC supply) or PWP277 (277VAC supply) switching modules, and capable of handling additional loads by including the support of an Add-A-Relay AR120/277. Also, the sensor shall offer a time delay adjustment from 15 seconds to 30 minutes, as well as an override. Conforms to NEMA WD-1 and WD-6.

Catalog Number	Description
□ HS1001	Passive Infrared Wall/Ceiling Sensor for hallway applications



Performance	
<b>Electrical</b>	
Supply Voltage	+ 24VDC Typical
Minimum Supply Voltage	+ 20VDC
Maximum Supply Voltage	+ 30VDC
Sensor Output	+ 24VDC for external relay DC coil drive Maximum Output Current: 100mA DC
<b>Sensor</b>	
Technology	Passive Infrared
Time Delay	Adjustable 15 sec. to 30 min.
Light Level Adjustment	No
Sensitivity Adjustment	14% to 100%
Spectral Response	6 to 14 $\mu\text{m}$
Field of View	13°
Coverage	90 linear feet typical
Indicator Light	Red LED flashes when motion is detected
Lens Type	Two horizontal layers
<b>Environment</b>	
Temperature Range	0°C to 35°C
Non-condensing Relative Humidity	20 to 90%
<b>Mechanical</b>	
Enclosure Material	Thermoplastic, UV-resistant plastic
Color	White
<b>Third Party Compliance</b>	
	cULus Listed – UL508 and C22.2 No. 14 California Title 24 Compliant

Wiring Diagrams on Page M-11.

Project
Location/Type

# Technical Specifications PIR Occupancy Ceiling Sensors – CS500, CS1200



### Typical Specifications

Motion sensor switches shall be cULus Listed, and California Title 24 Compliant as provided by Pass & Seymour/Legrand. Sensors shall be ceiling mount type, capable of detecting infrared emissions from personnel movement and switching incandescent and fluorescent lighting loads on and off. Motion sensor switches shall make use of optics that operate within a 110° field of view. Motion sensors may be mounted in a drop ceiling, solid ceiling, or wall. Motion sensor switch must be used in conjunction with the PWP120 (120VAC supply) or PWP277 (277VAC supply) switching modules, and capable of handling additional loads with the support of an Add-A-Relay AR120/277. Conforms to NEMA WD-1 and WD-6.

Catalog Number	Description
□ CS500	Ceiling Sensor , 500 sq. ft.
□ CS1200	Ceiling Sensor , 1200 sq. ft.

### Performance

#### Electrical

Supply Voltage	+ 24VDC Typical
Minimum Supply Voltage	+ 20VDC
Maximum Supply Voltage	+ 30VDC
Sensor Output	+ 24VDC for external relay DC coil drive Maximum Output Current: 100mA DC

#### Sensor

Technology	Passive Infrared
Time Delay	15 sec. to 30 min.
Light Level Adjustment	No
Sensitivity Adjustment	Yes
Spectral Response	6 to 14 μm
Field of View	110° Vertical, 360° Horizontal
Coverage	Up to 900 sq. ft.
Indicator Light	Red LED flashes when motion is detected
Lens Type	Multi-zone fresnel type

#### Environment

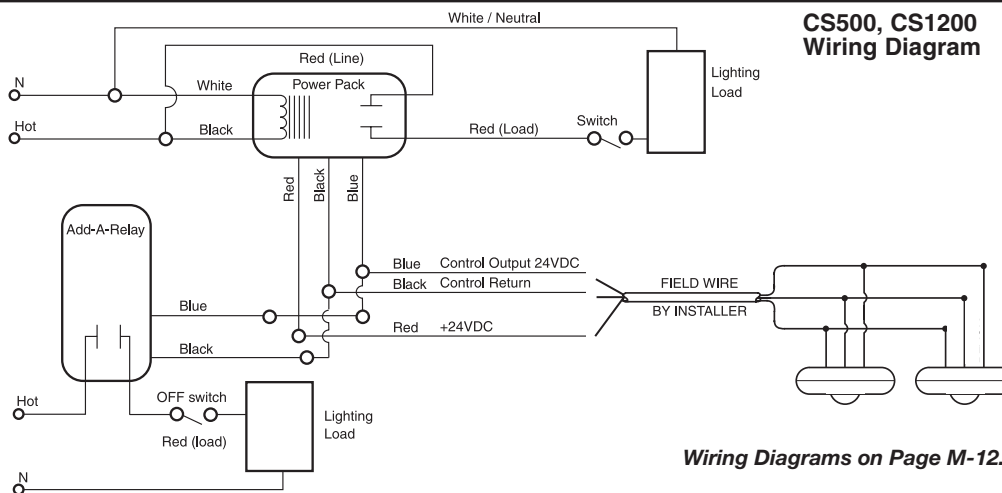
Temperature Range	0°C to 35°C
Non-condensing Relative Humidity	20 to 90%

#### Mechanical

Enclosure Material	Thermoplastic, UV-resistant plastic
Color	White

#### Third Party Compliance

cULus Listed – UL508 and C22.2 No. 14  
California Title 24 Compliant



CS500, CS1200  
Wiring Diagram

Wiring Diagrams on Page M-12.

Project
Location/Type