

H-MOSS® Occupancy Sensors

Adaptive Technology Wall Switches

Passive Infrared

Hubbell wall switch occupancy sensors utilize passive infrared technology to determine occupancy. These sensors require line of sight to detect body heat in motion. Wall switch occupancy sensors are best suited for small enclosed spaces such as offices, conference rooms, storage closets, small lunch rooms, and copy rooms. Hubbell's complete offering of wall switch sensors enables you to choose the right product for these various applications.

Hubbell AT series wall switches incorporate Adaptive Technology for performance critical applications such as enclosed offices and conference rooms. Adaptive Technology sensors automatically adjust the time delay setting to fit the application. This prevents false-offs that result when a sensor's time delay is too short for the activity level of the occupant. Product features and benefits are provided on page D-3.



AT120I, AT120W, AT277I, AT277W

Description	Catalog Numbers
Adaptive Technology, passive infrared, wall switch, ivory, 120V AC, 25 to 1500 watts, 1200 sq. ft. coverage, with photocell.	AT120I
Same as above except white.	AT120W
Adaptive Technology, passive infrared, wall switch, ivory, 277V AC, 25 to 1500 watts, 1200 sq. ft. coverage, with photocell.	AT277I
Same as above except white.	AT277W

ATP1277I, ATP1277W
ATP1277GY

Hubbell ATP series Adaptive Technology wall switch sensors are dual voltage rated for use on 120V or 277V AC applications. These sensors feature a pushbutton ambient light level control that allows for quick, accurate setting of the ambient light level threshold.

Description	Catalog Numbers
Adaptive Technology, passive infrared, wall switch, ivory, 120/277V AC, 800 watts at 120V AC, 1200 watts at 277V AC, 1200 sq. ft. coverage, with photocell.	ATP1277I
Same as above except white.	ATP1277W
Same as above except gray.	ATP1277GY

Notes: Nylon wall plate supplied with each sensor.

AT and ATP series wall switch sensors are gangable.

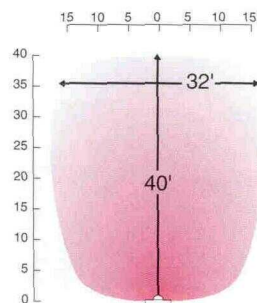
See section K for additional wall plates.

See pages D-14 for technical data and wiring schematics.

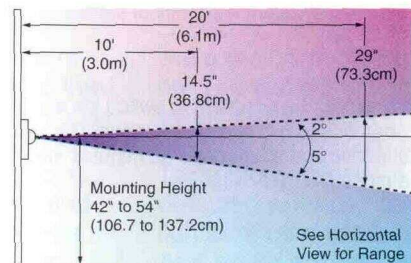
Coverage Patterns



Passive Infrared



Horizontal Coverage



Vertical Coverage

H-MOSS® Occupancy Sensors

Specifications and Wiring Schematics

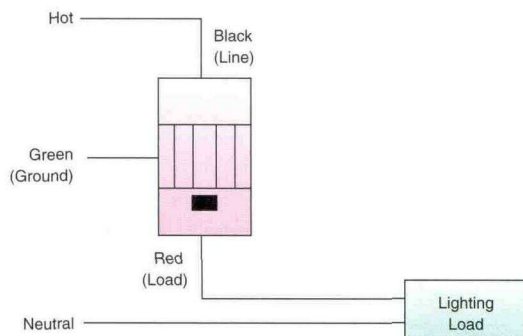
Passive Infrared Wall Switches

Adaptive Technology PIR Wall Switch AT Series Wall Switches

Electrical	AT120I, AT120W	AT277I, AT277W
Power Supply	120V AC, 60 Hz.	277V AC, 60 Hz.
Load Capacity		
Incandescent	25 to 1500 watts.	N/A
Ballast	25 to 1500 watts.	25 to 1500 watts.
Agency Approvals	UL Listed.	UL Listed.
Physical	AT120I, AT120W, AT277I, AT277W	
Housing	Flame retardant UL 94 V-0 ABS	
Lens	Polyethylene	
Dimensions	Face 2.61"H x 1.29"W, 0.73"D (from wall out).	
Mounting Height	42 to 54 inches above floor.	
Environmental		
Operating	32° F to 122° F (0° C to 50° C) with rate of change not exceeding 20° F (11° C) per hour; 20% to 90% non-condensing relative humidity.	
Storage	-40° F to 150° F (-40° C to 65° C); 20% to 90% noncondensing relative humidity.	
Controls		
Time Delay	Digital, test (15 seconds), adaptive 2 to 30 minutes.	
Ambient Light	Digital, pushbutton, 30 to 300 foot candles.	
Front Press Switch	Auto/Momentary Off (30 minutes after last motion, switch returns to automatic mode).	
Service Switch	Auto/Off.	
Sensing Indicator		
Passive Infrared	3-color LED.	

Wiring Schematic AT Series Wall Switches and ATP1277 and WS1277 Series Wall Switches

Normal Wiring

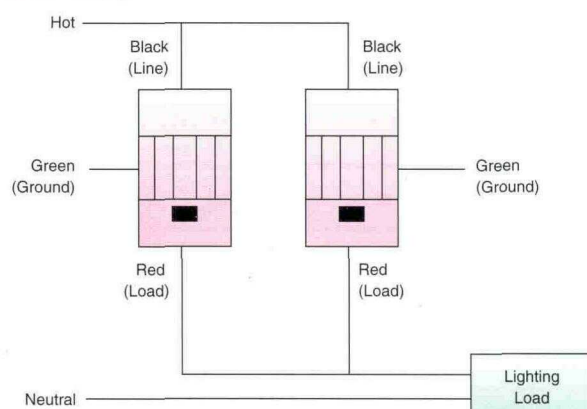


Adaptive Technology PIR Wall Switch ATP1277 and WS1277 Series Wall Switches

Electrical	ATP1277 Series, WS1277 Series
Power Supply	120/277V AC, 60 Hz.
Load Capacity	
Incandescent	0 to 800 watts.
120V Ballast	0 to 800 watts.
277V Ballast	0 to 1200 watts.
Agency Approvals	UL Listed, CUL Certified.
Physical	
Housing	Flame retardant UL 94 V-0 ABS
Lens	Polyethylene
Dimensions	Face 2.61"H x 1.29"W, 0.73"D (from wall out).
Mounting Height	42 to 54 inches above floor.
Environmental	
Operating	32° F to 122° F (0° C to 50° C) with rate of change not exceeding 20° F (11° C) per hour; 20% to 90% non-condensing relative humidity.
Storage	-40° F to 150° F (-40° C to 65° C); 20% to 90% noncondensing relative humidity.
Controls	
Time Delay	ATP1277 Series Digital, test (20 seconds), adaptive 5 to 30 minutes. WS1277 Series Test (20 seconds), manual 3 to 30 minutes.
Ambient Light	Digital, pushbutton, 30 to 300 foot candles.
Front Press Switch	Auto/Momentary Off (30 minutes after last motion, switch returns to automatic mode)
Service Switch	Auto/Off.
Sensing Indicator	
Passive Infrared	Red LED.

Wiring Schematic ATP1277 and WS1277 Series Wall Switches

Parallel Wiring



*Note: Above parallel wiring schematic does not apply to AT120 or AT277 series wall switches.