BRYANT® Occupancy and Vacancy Sensors

Wall Switches (Adaptive Technology)



MSD1000 Series

AT PIR US PC Manual and Auto-On 120V AC 800W (INC) /1000W (FL) 277V AC 1800W; 1000 Sq. Ft.

1 Button, 1 Circuit	MSD1000x1	1 Button, 1 C
2 Button, 2 Circuit	MSD1000x2	2 Button, 2 C
No Button, 1 Circuit	MSD1000x1N	No Button, 1
No Button, 2 Circuit	MSD1000x2N	No Button, 2
x=color: W (White), I (Ivory),	BK (Black), GY (Gray) or LA	(Light Almond)



AT PIR US PC Manual and Auto-On 120V AC 800W (INC) /1000W (FL) 277V AC 1800W; 400 Sq. Ft. 1 Button, 1 Circuit MSU400x1 2 Button, 2 Circuit MSU400x2 No Button, 1 Circuit MSU400x1N

MSU400x2N

No Button, 2 Circuit



AT PIR US PC Manual and Auto-On 120V AC 800W (INC) /1000W (FL) 277V AC 1800W (FL); 1200 Sq. Ft. 1 Button, 1 Circuit MS1200ATx x=color: **W** (White), **I** (Ivory) or **GY** (Gray)



1200 Sq. Ft. Auto-On

Ceiling Sensors (Adaptive Technology) 1112 1111 MANNA MANNA **MSP1500C** MSD2000C **MSU2000C** AT PIR US PC 24V DC, 33mA AT PIR US PC 24V DC, 33mA AT PIR US PC 24V DC, 33mA 2000 Sq. Ft. MSD2000C 2000 Sq. Ft. **MSU2000C** 1500 Sq. Ft. **MSP1500C** 1000 Sq. Ft. MSD1000C 1000 Sq. Ft. **MSU1000C** 600 Sq. Ft. **MSP600C**

500 Sq. Ft. **MSU500C**

Note: Must use a Control Unit with MSD, MSU and MSP ceiling sensors.

500 Sq. Ft. **MSD500C**

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Control Units and Add-a-Relay				High Bay	High Bay Fixture Mount Controls		
	Control UnitsAdd-A-RelayThe MSCU provides a 24V DC power supplyBryant MSAR Add-A-Relay contains			M AT PII Mounts Stand	SHB21U US PC up to 45 ft. high ard Series		
Control Units The MSCU provides a 24V DC p				1 Relay; 2 Relays	120-347V AC MSHB21U ; 120-347V AC MSHB22U		
for 1 to 4 sensors or sensor/an internal relay for control of anAdd-A-Relay combinations or 1 to 3 forexternal lighting load. For use withCU347A For use with MSD/MSU/MSPMSD/MSU/MSP series ceiling and		1					
series ceiling and wall mount se	nsors. w	wall mount sensors.					
120/277V AC, 50/60 Hz, 15A (INC) / 20A (FL)	MSCU 1:	20/277V AC, 50/60 5A (INC) / 20A (FL)	Hz, MSAR				
		Wal	Switch	Options			
Colors MSD/MSU Series			But	Buttons for MSD/MSU Series			
White Iv	ory Gray	Light Almond	Black	One Button	Two Button	No Button	
		0					

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Customer Service: (800) 323-2792 • Technical Support: btechserv@hubbell.com • Design and Support Tools available online at www.bryant-electric.com Bryant Electric • Hubbell Incorporated (Delaware) • 40 Waterview Drive, Shelton, CT 06484 • Phone (800) 323-2972 • FAX (800) 543-0538 • www.bryant-electric.com • Printed in U.S.A. Specifications subject to change without notice. Bryant[®] is a registered trademark of Hubbell Incorporated. BLCMHM001 8/11

Wall Switches (Passive Infrared)



MS1200 Series

AT* PIR US PC Manual or Auto-On 120V AC 800W (INC/FL); 277V AC 1200W (FL) MS1200x

x=color: W (White), or I (Ivory)



MS900 Series AT PIR US PC Manual 120V AC 800W (INC) /1000W (FL) 277V AC 1800W (FL); 900 Sq. Ft. MS900120x 120V AC, 1 Button 277V AC, 1 Button MS900277x x=color: W (White) or I (Ivory)

Wall Mount Sensors (AD Tech)

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Note: Must use a Control Unit

with MSD and MSP wall sensors.

1600 Sq. Ft.



AT PIR US PC Bi-Level Switching 120V AC 800W, 277V AC 1800W 1000 Sq. Ft. 2 Button, Double Pole MSP2C



RMS121/RMS120 Series AT **PIR** US **PC** with Dimming 120V AC 500W 800 Sq. Ft. Occupancy Sensor RMS121x Manual-on and Auto-On

Vacancy Sensor

(IIII))

MSD2000L120

AT **PIR US** PC Line Voltage

120V AC 2400W **MSD2000L120**

277V AC 5000W MSD2000L277

2000 Sq. Ft.

Auto-On and Auto-Off

x=color: W (White) or I (Ivory)

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RMS101/RMS100 Series

AT **PIR** US PC One Button 120V AC 500W 800 Sq. Ft. Occupancy Sensor RMS101x Manual-on and Auto-On RMS100x Vacancy Sensor Auto-On and Auto-Off x=color: W (White) or I (Ivory)

Ceiling Sensors (Non-Adaptive Technology)

RMS120x



MSU1500L120

AT	PIR	US	PC	Line Voltage		
2000 Sq. Ft.						
120V	AC 2	2400\	N N	ISU2000L120*		
277V	AC 5	5000\	N N	ISU2000L277*		
1500	Sq. I	₹t.				
120V	AC 2	2400	N N	ISU1500L120		
277V	AC 5	5000\	V N	ISU1500L277		
*Not Shown						

Sensing Technologies

of objects.

with stalls.

typing and filing.

• Minimizes false triggering.

Dual Technology (PIR and US)



nic (US)



Passive Infrared (PIR)



- Senses occupancy by detecting the movement of heat emitted from the human body against the background space.
- Ideal for detecting major motion (e.g. walking), and they work best in small, enclosed spaces with high levels of occupant movement.

	Digital Timer Switch Dip switch enabled preset intervals - 5,15 or 30 minutes - 1, 3, 6, 9 or 12 hours	
)		Ultrasor

DT12H

120V AC 800W; 277V AC 1200W



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MSD1600W

1600 Sq. Ft.

For High Bay Applications

120 Linear Sq. Ft. **MSP120HB**

Digital Timer

MSP1600W

MSD1600W MSP1600W/MSP120HB AT PIR US PC 24V 33mA AT PIR US PC 24V 33mA

US Ultrasonic

PC Photocell

Residential Wall Switches (Passive Infrared)





RMS141/RMS140 Series

AT PIR US PC Heavy Duty 120V AC 800W (INC) / 1000W (FL) 900 Sq. Ft. Occupancy Sensor RMS141x

Manual-on and Auto-On Vacancy Sensor RMS140x Auto-On and Auto-Off x=color: W (White) or I (Ivory)

MSP1500CL

AT PIR US PC Line Voltage 800W (INC); 1000W (FL) @ 120V AC 1800W (FL) @ 277V AC 2200W (FL) @ 347V AC 1500 Sq. Ft MSP1500CL

• Combines both passive infrared and ultrasonic technologies for maximum reliability.

• Continued detection by only one technology then keeps lighting on as necessary. Offers the best performance for most applications.

• Senses occupancy by bouncing sound waves off

Excellent at detecting even minor motion such as

• Does not require an unobstructed line-of-sight. Ideal for offices with cubicles or restrooms

• Requires an unobstructed line-of-sight for detection.

Scan for Available Rebates By State



BRYANT[®] Occupancy and Vacancy Sensors

Coverage Patterns and Wiring Schematics

Minor Motion: Ultrasonic PIR Major Motion: Ultrasonic PIR



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Patented Adaptive Logic Automatically Optimizes Timing and Sensitivity - No Adjustments Needed

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Scan for Available Rebates By State

