

Occupancy Sensors and Lighting Controls

Specifications



Electrical	MSD, MSU, MSP Series Ceiling and Wall Mount Sensors	
Power requirements	24V DC nominal, 33mA from Bryant MSCU series control unit	
Isolated relay (sensors with RP suffix)	Normally open and normally closed, Terminals available	
Agency approvals	UL Listed	
Physical	Ceiling Sensors	Wall Mount Sensors
Housing	Flame retardant UL 94 V-0 ABS	Flame retardant UL 94 V-0 ABS
Lens	Polyethylene	Polyethylene
Dimensions	1.5"H x 4.5"D	6"H x 2"W x 1.5"D
Color	Office white	Office white
Mounting height	8 to 12 feet	8 to 12 feet, 8 to 30 feet (ATP120HB series)
Environmental		
Operating	32°F to 104°F (0°C to 40°C) with rate of change not exceeding 20°F (11°C) per hour, 0% to 95% non-condensing relative humidity	
Storage	-20°F to 150°F (-29°C to 65°C), 0% to 95% non-condensing relative humidity	
Controls		
Time delay	Test (8 seconds), adaptive 8 to 40 minutes	
Ambient light	1 to 1000 foot candles	
Sensitivity	Adaptive 0 to 100%	
Sensing Indicators		
Ultrasonic (MSD and MSU series)	Green LED	
Passive infrared (MSD and MSP series)	Red LED	



Electrical	MSCU(M)	MSCUHD	MSAR
Power supply	120-277V AC, 50/60Hz	100-277V AC, 50/60Hz	N/A
Power output	24V DC, 150mA	24V DC, 250mA	N/A
Power input	N/A	N/A	24V DC nominal, 33mA from Bryant MSCU series control unit
Load capacity			
Incandescent, LED & CFL	0 to 1800 watts	20A, 100-277V AC, 1HP @ 120V AC,	0 to 1800 watts
120V ballast	0 to 2400 watts	2HP @ 240/277V AC	0 to 2400 watts
230V ballast	N/A	Motor Loads:	0 to 3680 watts
277V ballast	0 to 5540 watts	1HP @ 120V	0 to 5540 watts
347V ballast	N/A	2HP @ 240/277V	0 to 5205 watts
AT sensor/AAR capacity	1 to 4 combined	1 to 6 combined	N/A
Agency approvals	UL Listed, cULus Certified	UL Listed, cULus Certified	UL Listed
Physical			
Housing	Flame retardant UL 94-5VA thermoplastic	Flame retardant UL 94-5VA thermoplastic	Flame retardant UL 94-5VA thermoplastic
Dimensions	3.69"L x 2.33"W x 1.36"H	4.00"L x 3.4"W x 1.73"H	3.69"L x 2.33"W x 1.36"H
Color	Black	Black	Black
Environmental			
Operating	32°F to 104°F (0°C to 40°C), 0% to 90% non-condensing relative humidity	-40°F to 149°F (-40°C to 65°C), below 32°F (0°C) must use suitably rated non-metallic enclosure, 0% to 90% humidity, non-condensing	32°F to 104°F (0°C to 40°C), 0% to 90% non-condensing relative humidity
Storage	-20°F to 150°F (-29°C to 65°C), 0% to 90% non-condensing relative humidity		-20°F to 150°F (-29°C to 65°C), 0% to 90% non-condensing relative humidity