

Occupancy Sensors and Lighting Controls



Adaptive Technology Ceiling and Wall Mount Sensors



- Dual technology sensing combines the individual advantages of passive infrared and ultrasonic detection
- Adaptive technology - "Install and forget" operation, analyzes environment and adjusts sensitivity and timer, eliminating the need for manual adjustment
- Digital, crystal controlled ultrasonic transmitter and receiver for coverage in each direction for superior sensing of motion
- Dual element passive infrared detector and lens sense heat in motion
- Red LED indicates passive infrared detection, green LED indicates ultrasonic detection



MSD2000C



MSD1000C,
MSD500C



MSU2000C



MSU1000C,
MSU500C



MSP1500C,
MSP600C



MSD1600W



MSP1600W,
MSP120HB

Type	Ceiling				Wall Mount*		
	Coverage	Field of View	Low Voltage	Line Voltage	Coverage	Description	Catalog Number
Dual (Ultrasonic and Passive Infrared)	2000 sq. ft.	360°	MSD2000C	MSD2000CL	1600 sq. ft.	Low Voltage 32kHz	MSD1600W
	1000 sq. ft.	180°	MSD1000C	MSD1000CL			
	500 sq. ft.	180°	MSD500C	—			
Ultrasonic	2000 sq. ft.	360°	MSU2000C	MSU2000CL	—	—	—
	1000 sq. ft.	180°	MSU1000C	MSU1000CL			
	500 sq. ft.	180°	MSU500C	—			
Passive Infrared	1500 sq. ft.	360°	MSP1500C	MSP1500CL	1600 sq. ft.	Wide angle coverage	MSP1600W
	450 sq. ft.	360°	MSP600C	MSP600CL			

Note: Ceiling and Wall Mount sensors must use a Control Unit.

*Swivel mounting bracket included for wall or ceiling mounting.

See page E-6 for ceiling sensors accessories.

See page E-16 for technical specifications and wiring schematics.

Control Units

Description	Automatic ON	Manual ON	Auto or Manual ON	Add-A-Relay
The MSCU series provides a 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed. 120/277V AC, 50/60 Hz for use with MSD, MSU and MSP series ceiling/wall mount sensors.	MSCU	MSCUM	MSCUHD	MSAR



Coverage Patterns

Minor Motion: ■ Ultrasonic ■ PIR

Major Motion: ■ Ultrasonic ■ PIR

