

## Maestro Occupancy Sensing Switch

The Lutron Maestro Occupancy sensing switch combines a Maestro switch with a passive infrared occupancy or vacancy sensor. The sensor detects the heat from occupants moving within an area to determine whether the space is occupied. Based on the feedback from the sensor, the occupancy sensing switch will adjust the load accordingly.

### Features

- Passive infrared sensors with exclusive Lutron XCT Technology for fine motion detection
- 180° sensor field-of-view
- Up to 30 ft x 30 ft (9 m x 9 m) [900 ft<sup>2</sup> (81 m<sup>2</sup>)] major motion coverage and 20 ft x 20 ft (6 m x 6 m) [400 ft<sup>2</sup> (36 m<sup>2</sup>)] minor motion coverage
- Occupancy version can be set to Auto-ON / Auto-OFF or Manual-ON / Auto-OFF
- Vacancy version available to meet CA Title 24 requirements
- Adjustable timeout (1, 5, 15, or 30 minutes) and high/low sensitivity adjustment
- Occupancy sensing switch loads: incandescent, halogen, ELV, MLV, CFL, LED, magnetic fluorescent, electronic fluorescent, and fan.

**Note:** "XX" in model number represents color/finish code.

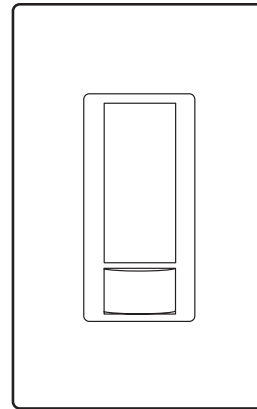
### Models available

- MS-OPS2-XX<sup>1</sup>
- MS-OPS2H-XX-C<sup>2</sup>
- MS-OPS5M-XX<sup>3</sup>
- MS-OPS5MH-XX-C<sup>2</sup>
- MS-OPS6M2-DV-XX
- MS-OPS6M2N-DV-XX
- UMS-OPS6M-DV-XX
- MS-VPS2-XX<sup>1</sup>
- MS-VPS5M-XX<sup>3</sup>
- MS-VPS6M2-DV-XX
- MS-VPS6M2N-DV-XX
- UMS-VPS6M-DV-XX

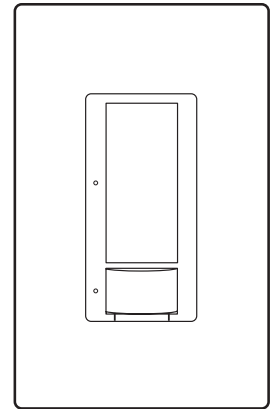
<sup>1</sup> For clamshell packaging, add an "H" after the "2". Available in AL, IV, LA, and WH.

<sup>2</sup> Clamshell packaged product for Canada. Available in AL, IV, LA, and WH.

<sup>3</sup> For clamshell packaging, add an "H" after the "M". Available in AL, IV, LA, and WH.



MS-OPS2  
MS-OPS2H-XX-C  
MS-OPS5M  
MS-OPS5MH-XX-C  
MS-OPS6M2-DV  
MS-OPS6M2N-DV  
MS-VPS2  
MS-VPS5M  
MS-VPS6M2-DV  
MS-VPS6M2N-DV



UMS-OPS6M-DV  
UMS-VPS6M-DV

<b>Job Name:</b>	<b>Model Numbers:</b>
<b>Job Number:</b>	

## Specifications

### Regulatory Approvals

- UL® Listed to U.S. and Canadian safety requirements.
- NOM Certification (MS- models only).

### Power

- 120 V~ 50/60 Hz<sup>1</sup>
- 120–277 V~ 50/60 Hz<sup>1</sup>

### Key Design Features

- All lighting loads
- Crush/tamper resistant lens
- Smart ambient light detection
- Adaptive switching algorithm for extended relay life
- XCT Technology for fine motion detection
- Lutron patented Softswitch

### Environment

- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0%–90% humidity, non-condensing. Indoor use only.

### Warranty

- 5-Year Limited Warranty. For additional Warranty information, please visit [www.lutron.com/TechnicalDocumentLibrary/Sensor\\_Warranty.pdf](http://www.lutron.com/TechnicalDocumentLibrary/Sensor_Warranty.pdf)

### Additional Information

- When using MS-OPS2, MS-OPS5M, MS-OPS6M2-DV, MS-VPS2, MS-VPS5M, or MS-VPS6M2-DV on GFI-controlled circuits, please see Lutron P/N 048440 on [www.lutron.com](http://www.lutron.com)
- For Maestro Occupancy sensing dimmer models, please see Lutron P/N 369270 on [www.lutron.com](http://www.lutron.com)
- For use with MA-AS, MSC-AS, MA-AS-277, or MSC-AS-277 to control the load from more than two locations, please see Lutron P/N 048435 on [www.lutron.com](http://www.lutron.com)
- For more information, please see [www.lutron.com/occvacensors](http://www.lutron.com/occvacensors)
- Lutron Customer Assistance: 1.844.LUTRON1

## Advanced Features

### Switching

- Standard zero cross—maximizes relay life by switching at the point of minimum energy on the AC power curve
- Adaptive zero cross—maximizes relay life by switching at the point of minimum energy on the AC power curve. Actively adapts to variations in relay timing
- Lutron Patented Softswitch circuit—eliminates arcing at mechanical contacts when loads are switched. Extends relay life to an average of 1,000,000 cycles (on/off) for resistive, capacitive, or inductive sources

### XCT Technology

Advanced sensing technology for fine motion detection ensures that the lights stay on while the room is occupied, and that the sensor does not turn on falsely when there is no occupancy in the room. For more information, see [www.lutron.com/TechnicalDocumentLibrary/white%20paper%20XCT%204-23-09%20B.pdf](http://www.lutron.com/TechnicalDocumentLibrary/white%20paper%20XCT%204-23-09%20B.pdf)

<sup>1</sup> Maximum current ratings for individual models are provided in the **Selection Matrix** on page 4.

<p>Job Name:</p>  <p>Job Number:</p>	<p>Model Numbers:</p>
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## Custom Settings

### Ambient Light Detection

Lights turn on only if natural light in room is low.

- Smart—Ambient light threshold adjusts precisely to the user’s preference.

Instructions: If switch turns on when there is enough natural light, or if switch does not turn on when there is not enough natural light, press the large button within 5 seconds of entering the room. Over time, this interaction will “teach” the switch your preferred setting.

- Presets—high, medium, low, and disabled.

### Sensor Operation

- Occupancy/Vacancy: Auto-ON / Auto-OFF or Manual-ON / Auto-OFF
- Vacancy only: Manual-ON / Auto-OFF only

### Timeout Options

(See **Additional Features** on page 5 for default settings)

- 1 Minute
- 5 Minutes
- 15 Minutes
- 30 Minutes

### Sensitivity Options

- High sensitivity (default)
- Low sensitivity

### Auto-ON Options

(MS-OPS and UMS-OPS only)

- Occupancy (default): Auto-ON / Auto-OFF
- Vacancy\*: Manual-ON / Auto-OFF
- Low Light: Lights turn on only if needed (if ambient light is below threshold)

\* There is a 15-second grace period that begins when the lights are automatically turned off, during which the lights will automatically turn back on in response to motion. This grace period is provided as a safety and convenience feature in the event that the lights turn off while the room is still occupied, so that the user does not need to manually turn the lights back on. After 15 seconds, the grace period expires and the lights must be manually turned on.

### Manual Off-While-Occupied Options

(MS-OPS and UMS-OPS only — see **Additional Features** on page 5 for default setting)

- Enabled
  - When the Occupancy sensing switch is manually turned off, the Occupancy sensing switch will not turn the lights back on automatically while the room is occupied.
  - Once the room is vacated, the Auto-ON feature returns to normal operation after the timeout period has expired.
  - This may be the preference in conference rooms or classrooms while viewing presentations. This feature requires motion to keep the lights off.
- Disabled
  - When the Occupancy sensing switch is manually turned off, the Auto-ON feature will return to normal operation after 25 seconds.
  - This may be the preference if the user always wants the lights to turn on upon entering and the lights to turn off when the room is vacant.

<b>Job Name:</b>	<b>Model Numbers:</b>
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