Maestro In-Wall Sensors
Lutron quality and performance, now in a sensor.

• **XCT technology with cross-correlation – no callbacks**
  - Lutron sensors won’t leave you in the dark
  - Superior sensitivity recognizes the difference between fine human motion and background noise
  - Provides superior prevention of false-ons and false-offs

• **Durable design with clean aesthetic**
  - Tamper-resistant lens
  - Extended relay lifetime

• **Models for any application and all lighting loads**
  - Single- and dual-circuit switches; neutral and no neutral required
  - Passive infrared (PIR) and dual-technology sensing
  - 0-10V dimmer for 0-10V fluorescent and LED fixtures
  - C-L dimmer for dimmable LEDs and CFLs

• **NEW Wireless models**
  - Delivers the simplicity of an in-wall sensor with the added benefits of Vive
  - Combines occupancy sensing, manual control, and system connectivity in one piece of hardware

For more information:
lutron.com/
OccVacSensors

Order now:
Contact your local electrical distributor
Lutron sensors minimize callbacks

XCT technology with cross-correlation—won’t leave you in the dark

Lutron sensors detect fine motion, like reading a book, better than other PIR sensors.
Breakthrough sensing technology ensures lights stay on when a room is occupied and off when it’s not.

<table>
<thead>
<tr>
<th>Major Motion</th>
<th>Minor Motion</th>
<th>Fine Motion</th>
<th>No False-On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Person walking 3 feet</td>
<td>Movements like extending your arm</td>
<td>Small movements like flipping pages of a book</td>
<td>Lights stay off when room is unoccupied</td>
</tr>
</tbody>
</table>

Breakthrough sensing technology... 2-3 times better than most sensors

<table>
<thead>
<tr>
<th>Fine motion detected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company 1</td>
</tr>
<tr>
<td>16%</td>
</tr>
</tbody>
</table>

Commonly available residential sensors

Very fine motion

XCT technology now available for dual-technology sensors.
Dual-technology sensors use PIR and ultrasonic technologies together for maximum sensitivity.

Minimal movements like typing on a keyboard

For testing methods see lutron.com/sensortest638

Product information

Durable design with modern, clean aesthetic

Lutron sensors are engineered with robust components, combined with award-winning design.

Extended relay lifetime (250,000 on/off switch cycles)
Tamper-resistant lens

Any voltage, any phase (120V-only sensors also available)
Ambient light detection (set to learnable or fixed)
Available in 25 colors

Controls all lighting and fan loads

- LED
- CFL
- Incandescent/halogen
- Magnetic low voltage
- Electronic low voltage
- Low voltage LED
- Fluorescent/LED
- 0-10V dimmer model can dim these loads
- 120V Fan
- C-L dimmer model can dim these loads

C-L dimmer sensor

- Combines a Maestro C-L dimmer with an occupancy or vacancy sensor
- Controls up to 150W dimmable LED/CFL or 600W incandescent/halogen

0-10V dimmer sensor

- Optimized for ideal sensitivity
- Settings are simple to adjust—no dip switches or dials
Easy installation

Simplified Wiring

Mistake-proof wiring—no polarity for line- or load-side wiring

Single-circuit (including dimming)

- Any voltage
  - 120V - 277V

- Any phase
  - Phase A, B, or C

Dual-circuit

- Circuit 1
  - Any voltage
    - 120V - 277V
  - Any phase
    - Phase A, B, or C

- Circuit 2
  - Any voltage
    - 120V - 277V
  - Any phase
    - Phase A, B, or C

Easily reassign

Change circuit with button press; no rewiring

* Dual-technology no neutral models available, require line- and load-specific wiring

Easy set up

No dip switches or dials

- Simple button-press changes settings
  - Timeout
  - Sensitivity
  - Mode
  - Occupancy
  - Ambient light detection
  - Vacancy

- 0-10V dimmers and dual-tech models feature easy-to-see LEDs to indicate settings

- Dual-circuit models feature independent settings per circuit

Wireless In-Wall Sensors

Wireless sensors communicate to other wireless devices using Lutron’s Clear Connect RF technology

Extend Coverage

- Add a Radio Power Savr occupancy/vacancy sensor for additional coverage in a space

Maestro Wireless models

0-10V dimmer sensor and 8A sensor switch

Enhance control

- Mount a Pico wireless remote to a wall or place it on a tabletop stand for flexible control from anywhere in the room

- Add a daylight sensor to dim lights when natural light is available

Easy-to-see LEDs and a settings button

Sensor mode settings

Make your system smarter

- Add a Vive wireless hub for centralized control and integration

- Use Vive Vue software to deliver advanced intelligence necessary for today’s smart buildings and the IoT
## Sensor model information and key applications

<table>
<thead>
<tr>
<th>Model number</th>
<th>2A and 5A PIR</th>
<th>6A PIR</th>
<th>RF PIR</th>
<th>PIR dual-circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS-OPS2-XX*</td>
<td>MS-OPS6M2-DV-XX*</td>
<td>MRF2S-8SS-XX*</td>
<td>MS-OPS6-ODV-XX*</td>
<td></td>
</tr>
<tr>
<td>no neutral required (2A model)</td>
<td>no neutral required</td>
<td>neutral required</td>
<td>no neutral required</td>
<td></td>
</tr>
<tr>
<td>MS-OPS5M-XX*</td>
<td>MS-OPS6M2-DV-XX*</td>
<td>MRF2S-8SD010V-XX*</td>
<td>MS-A102-XX*</td>
<td></td>
</tr>
<tr>
<td>no neutral required (5A model)</td>
<td>no neutral required</td>
<td>neutral required</td>
<td>no neutral required</td>
<td></td>
</tr>
<tr>
<td>MS-OPS6M2-DV-XX*</td>
<td>MS-OPS6M2U-DV-XX*</td>
<td>MRF2S-8SD010V-XX*</td>
<td>MS-B102-XX*</td>
<td></td>
</tr>
<tr>
<td>neutral optional</td>
<td>neutral optional</td>
<td>neutral required</td>
<td>neutral required</td>
<td></td>
</tr>
<tr>
<td>MS-OPS6-DDV-XX*</td>
<td>MS-OPS6-DDV-XX*</td>
<td>MRF2S-8SD010V-XX*</td>
<td>MS-A202-XX*</td>
<td></td>
</tr>
<tr>
<td>no neutral required</td>
<td>no neutral required</td>
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</tbody>
</table>

### Key applications

- Small space
- Kitchen
- Breakroom
- Office
- Bathroom
- Private office
- Training room
- Conference room
- Kid’s room
- Private office
- Conference room
- Conference room
- Private office
- Bathroom
- Conference room
- Training room

### Technology

- XCT PIR
- XCT PIR
- XCT PIR
- XCT PIR
- XCT PIR
- XCT PIR
- XCT PIR
- XCT PIR
- XCT PIR
- XCT PIR

### Coverage (sq ft)

- 900 (major) 400 (minor)
- 900 (major) 400 (minor)
- 900 (major) 400 (minor)
- 900 (major) 400 (minor)
- 900 (major) 400 (minor)
- 900 (major) 400 (minor)
- 900 (major) 400 (minor)
- 900 (major) 400 (minor)
- 900 (major) 400 (minor)
- 900 (major) 400 (minor)

### Timeout

- 1, 5, 15, or 30 minutes
- 1, 5, 15, or 30 minutes
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- 1, 5, 15, or 30 minutes

### Voltage

- 120V
- 120V
- 277V
- 120V
- 277V
- 120V
- 277V
- 120V
- 277V
- 120V
- 277V
- 120V
- 277V
- 120V
- 277V
- 120V
- 277V
- 120V
- 277V
- 120V
- 277V

### Amperage/wattage

- 6A lighting (2A model)
- 6A lighting (2A model)
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- 6A lighting (2A model)

### Single pole, 3-way, multi-location

- Single pole/3-way/multi-location
- Single pole/3-way/multi-location
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- Single pole/3-way/multi-location

### Ambient light detection

- Smart
- Smart
- Smart or fixed
- Smart
- Smart
- Smart or fixed
- Smart or fixed
- Smart or fixed
- Smart or fixed
- Smart or fixed

### Tamper-resistant lens

- ✓
- ✓
- ✓
- ✓
- ✓
- ✓
- ✓

### Energy code met

- Automatic shutoff Multi-level lighting**
- Automatic shutoff Multi-level lighting**
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**XX denotes color suffix
** Meets this requirement when bi-level control is allowed

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*Multi-location dimmers/switches work with up to nine companion dimmers/switches, unless RF models, which work with Pico remote controls.

3-way dimmers work with mechanical 3-way switches, unless RF models, which work with Pico remote controls.

Vacancy-only models available. Replace the “O” in the model number with a “V”, or for dual-tech or 0-10 V vacancy models, add “-V-” before color code (XX)

For dual-tech sensors, only neutral optional models allow for 3-way or multi-location applications.
Additional product information

Coverage patterns

**PIR beam diagram**
(for reference only)

**Ultrasonic coverage**
(for reference only)

Code information

**Lutron.com/energycodes**  
- Automatic shutoff  
- Multi-level light controls (dimmers and dual-circuit)  
- CA Title 20/24 2013  
- ASHRAE 90.1 2010  
- IECC 2012

Largest line of colors available

**Sensors are available in 25 colors; 7 gloss and 18 Satin Colors.**  
- Gloss colors ship in 2 days  
- Satin colors ship in 2-10 days

All Lutron products backed by world-class support

**Lutron.com/support**  
- 24/7 live technical support: 1.800.523.9466  
- Customer service/quotes; 1.888.588.7661

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