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
  - LED+ 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.

- **Major Motion**
- **Minor Motion**
- **Fine Motion**
- **No False-On**

<table>
<thead>
<tr>
<th>Motion Type</th>
<th>Examples</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Person walking 3 feet</td>
<td>Movements like extending your arm</td>
<td>Lights stay off when room is unoccupied</td>
</tr>
<tr>
<td>Small movements like flipping pages of a book</td>
<td>Lights stay off when room is unoccupied</td>
<td></td>
</tr>
<tr>
<td>Minimal movements like typing on a keyboard</td>
<td>Lights stay off when room is unoccupied</td>
<td></td>
</tr>
</tbody>
</table>

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

For testing methods see lutron.com/sensortest638

**Very fine motion**

XCT technology now available for dual-technology sensors.

Dual-technology sensors use PIR and ultrasonic technologies together for maximum sensitivity.

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
- 120V Fan
- LED+ dimmer model can dim these loads
- 0-10V dimmer model can dim these loads

**LED+ dimmer sensor**

- Combines a Maestro LED+ 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
120 V & 120 V - 277 V

Any phase
Phase A, B, or C

Dual-circuit

Circuit 1
Any voltage
120 V - 277 V

Any phase
Phase A, B, or C

Circuit 2
Any voltage
120 V - 277 V

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 Powr 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

Pico wireless remote
PJ2-3BRL-GXX-L01

Wallplate adapter
PICO-WBX-ADPT

Wallplate
CW-1-XX

Tabletop pedestal
L-PEDX-XX

Radio Powr Savr
daylight sensor
LRF2-OCR8B-WH

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

Vive wireless hub
HUS-0-FM

Vive Vue software

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Vive Vue software
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<thead>
<tr>
<th>Key applications</th>
<th>Technology</th>
<th>Coverage (sq ft)</th>
<th>Timeout</th>
<th>Voltage</th>
<th>Amperage/wattage</th>
<th>Single pole, 3-way, multi-location</th>
<th>Ambient light detection</th>
<th>Tamper-resistant lens</th>
<th>Energy code met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small space</td>
<td>XCT PIR</td>
<td>900 (major)</td>
<td>1, 5, 15, or 30 minutes</td>
<td>120V</td>
<td>2A lighting (2A model)</td>
<td>Single pole/3-way/ multi-location</td>
<td>Smart</td>
<td>✅</td>
<td>Automatic shutoff</td>
</tr>
<tr>
<td>Breakroom</td>
<td>XCT PIR</td>
<td>400 (minor)</td>
<td>1, 5, 15, or 30 minutes</td>
<td>120-277V</td>
<td>5A lighting (5A model)</td>
<td>Single pole/3-way/ multi-location</td>
<td>Smart</td>
<td>✅</td>
<td>Automatic shutoff</td>
</tr>
<tr>
<td>Bathroom</td>
<td>XCT PIR</td>
<td>900 (major)</td>
<td>1, 5, 15, or 30 minutes</td>
<td>120V/277V</td>
<td>6A lighting 4.4A fan (120V)</td>
<td>Single pole 3-way/ multi-location</td>
<td>Smart</td>
<td>✅</td>
<td>Automatic shutoff</td>
</tr>
<tr>
<td>Training room</td>
<td>XCT PIR</td>
<td>900 (major)</td>
<td>1, 5, 15, or 30 minutes</td>
<td>120-277V</td>
<td>8A lighting (150W LED/CFL)</td>
<td>Single pole/3-way/ multi-location</td>
<td>Smart or fixed</td>
<td>✅</td>
<td>Multi-level lighting**</td>
</tr>
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**XX denotes color suffix
** Meets this requirement when bi-level control is allowed

Sensor model information and key applications

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<tr>
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<tr>
<td>MS-OPS2-XX*</td>
<td>Small space</td>
<td>XCT PIR</td>
<td>900 (major)</td>
<td>1, 5, 15, or 30 minutes</td>
<td>120V</td>
<td>2A lighting (2A model)</td>
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<td>Smart</td>
<td>✅</td>
<td>Automatic shutoff</td>
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<tr>
<td>MS-OPS6M2-DV-XX*</td>
<td>Breakroom</td>
<td>XCT PIR</td>
<td>400 (minor)</td>
<td>1, 5, 15, or 30 minutes</td>
<td>120-277V</td>
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<tr>
<td>MRF2S-8SS-XX*</td>
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** Meets this requirement when bi-level control is allowed

Multi-location dimmers/work 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 0-10V 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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