

# Dual-technology Maestro® Sensors

Superior in-wall sensors featuring Lutron XCT™ sensing technology

**NEW**  
No neutral dual-tech



Sensor switch



Dual-circuit sensor switch

## Helps meet building codes

- Title 24 2013
- ASHRAE 90.1 2010
- IECC 2012

- **XCT sensing technology with cross-correlation**
  - Enhanced ultrasonic and passive infrared (PIR) technology in the Maestro sensor keeps lights on and reduces false ons
  - Best of both technologies – no callbacks
- **Durable design with modern, clean aesthetic**
  - Tamper-resistant lens
  - 30+ year switch lifetime
  - Available in 27 colors
- **Ideal for retrofit – no neutral required**

# Lutron dual-technology Maestro® sensors minimize callbacks

## XCT™ technology with cross-correlation — won't leave you in the dark

Lutron XCT technology can recognize the difference between fine human motion and background noise.

### ✓ Very Fine Motion



Minimal movements like typing on a keyboard

### ✓ Fine Motion



Small movements like flipping pages of a book

### ✓ Minor Motion



Movements like extending your arm

### ✓ Major Motion



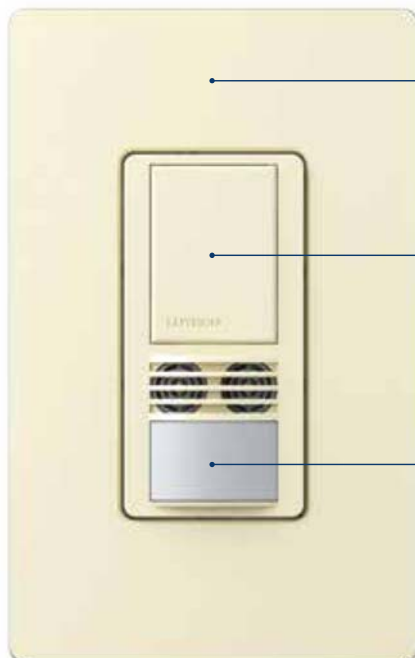
Person walking 3 feet

NEW!

**XCT technology now available for dual-technology sensors.**

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

## Lutron sensors are engineered with robust components, and combined with award-winning aesthetics



Available in  
**27 colors**

**30+ year  
switch lifetime**  
(250,000 on/off  
switch cycles)

**Tamper-resistant  
lens**

Gloss colors:

- |  |                                     |
|--|-------------------------------------|
| <input type="checkbox"/> White (WH)        | <input type="checkbox"/> Gray (GR)  |
| <input type="checkbox"/> Ivory (IV)        | <input type="checkbox"/> Brown (BR) |
| <input type="checkbox"/> Almond (AL)       | <input type="checkbox"/> Black (BL) |
| <input type="checkbox"/> Light Almond (LA) |                                     |

Satin Colors®:

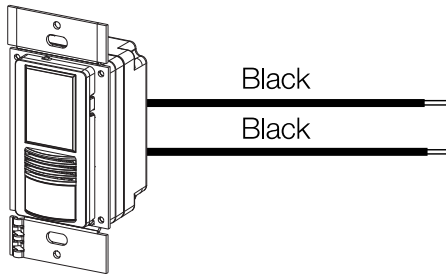
- |  |  |
|--|--|
| <input type="checkbox"/> Hot (HT)        | <input type="checkbox"/> Taupe (TP)        |
| <input type="checkbox"/> Merlot (MR)     | <input type="checkbox"/> Eggshell (ES)     |
| <input type="checkbox"/> Plum (PL)       | <input type="checkbox"/> Biscuit (BI)      |
| <input type="checkbox"/> Turquoise (TQ)  | <input type="checkbox"/> Snow (SW)         |
| <input type="checkbox"/> Sea Glass (SG)  | <input type="checkbox"/> Palladium (PD)    |
| <input type="checkbox"/> Midnight (MN)   | <input type="checkbox"/> Mocha Stone (MS)  |
| <input type="checkbox"/> Sienna (SI)     | <input type="checkbox"/> Goldstone (GS)    |
| <input type="checkbox"/> Terracotta (TC) | <input type="checkbox"/> Desert Stone (DS) |
| <input type="checkbox"/> Greenbriar (GB) | <input type="checkbox"/> Stone (ST)        |
| <input type="checkbox"/> Bluestone (BG)  | <input type="checkbox"/> Limestone (LS)    |

# Dual-technology Maestro® sensor product information

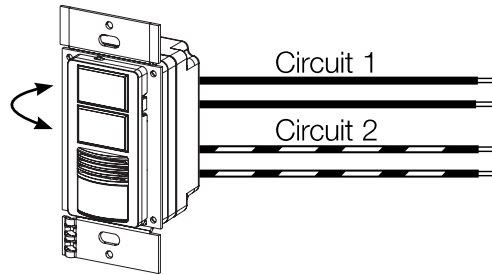
## Mistake-proof wiring

**NEW** No neutral required model

- Installs fast — versions with or without neutral wire
- No polarity for line or load wiring
- Any voltage — 120-277V, any phase or mixed phases — A, B, or C
- For 3-way control with an existing switch, use neutral-required model



Sensor switch



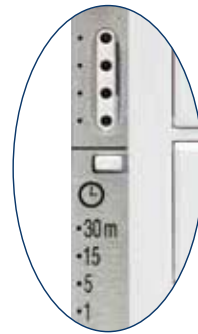
Dual-circuit sensor switch

### Easily reassign circuits

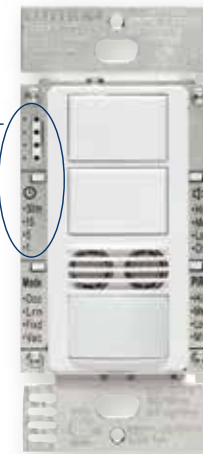
Change circuits with a simple button press—no rewiring required

## Easy set up

- Independent setting per circuit
- Easy to see LEDs indicate settings
- No dip switches or dials
- Simple button press to change settings
  - Timeout
  - Sensitivity (ultrasonic)
  - Sensitivity (PIR)
  - Mode
    - Occupancy
    - Ambient light detection (learning)
    - Ambient light detection (fixed)
    - Vacancy



LEDs and a settings button



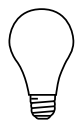
## Controls all lighting and fan loads



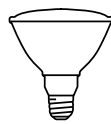
LED



CFL



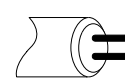
Incandescent/  
halogen



Magnetic low  
voltage



Electronic  
low voltage



Fluorescent



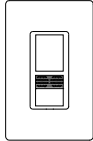
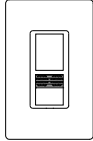
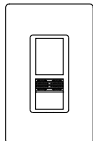
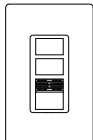
Fan

120V to 277V, 6A

4.4A  
(120V only)

# Ordering information

## Dual-technology Maestro® occupancy/vacancy sensors

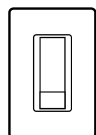
Models	Model number	Specifications	Voltage
<b>No neutral required (shipping 7/1/14)</b>			
	MS-A102-XX <sup>1,2</sup>	Single pole Single-circuit model 6 A lighting 4.4 A fan (120V only)	<b>120-277V~</b>
	MS-A202-XX <sup>1</sup>	Single pole Dual-circuit model 6 A lighting per circuit 4.4 A fan (120V only) per circuit	<b>120-277V~</b>
<b>Neutral required</b>			
	MS-B102-XX <sup>1,2</sup>	Single pole/multi-location <sup>3</sup> Single-circuit model 6 A lighting 4.4 A fan (120V only)	<b>120-277V~</b>
	MS-B202-XX <sup>1</sup>	Single pole/3-way Dual-circuit model 6 A lighting per circuit 4.4 A fan (120V only) per circuit	<b>120-277V~</b>

<sup>1</sup> XX denotes color suffix (above)

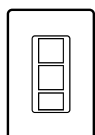
<sup>2</sup> Vacancy-only models available

<sup>3</sup> Multi-location switches work with up to nine companion switches

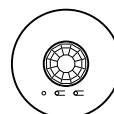
### Additional Lutron sensors



Maestro PIR  
single-circuit  
sensors



Maestro PIR  
dual-circuit  
sensors



Radio Powr Savr™  
wireless sensors

### Code information

Sensors help meet stringent code requirements

- ASHRAE 90.1-2010, Title 24 2013, and IECC 2012
  - Meets automatic shutoff
  - Meets multi-level lighting controls requirement (dual-circuit model)