

Lutron PD-OSENS-WH

Lutron Caseta PD-OSENS-WH Smart Motion Sensor User Manual

Model: PD-OSENS-WH

Brand: Lutron

INTRODUCTION

The Lutron Caseta PD-OSENS-WH Smart Motion Sensor is designed to provide automated lighting control within your Caseta smart home system. This wireless sensor can be configured as an occupancy or vacancy sensor to automatically turn lights, dimmers, switches, and fans on or off based on detected motion. It offers a 180-degree field of view and a long battery life, providing flexible placement options without requiring wiring.

SAFETY INFORMATION

- Read and understand all instructions before installation and use.
- Do not use this device for purposes other than its intended use.
- Ensure the device is installed in a dry, indoor environment. It is not rated for outdoor or wet locations.
- Use only the specified CR123A 3V battery. Incorrect battery type may cause damage or fire.
- Keep batteries out of reach of children.

PACKAGE CONTENTS

- Lutron Caseta PD-OSENS-WH Smart Motion Sensor
- CR123A 3V Battery
- Mounting Bracket
- Mounting Screws and Anchors
- Adhesive Strips



The image above shows the Lutron Caseta PD-OSENS-WH Smart Motion Sensor along with its retail packaging, providing a visual overview of the product and its presentation.

SETUP

1. Battery Installation

1. Remove the battery cover from the back of the sensor.
2. Insert the provided CR123A 3V battery, ensuring correct polarity.
3. Replace the battery cover securely.

2. App Setup and Pairing

To set up and pair your motion sensor with your Lutron Caseta system, follow these steps:

1. Download and install the Lutron Caseta app on your smartphone or tablet.
2. Open the app and log in to your account.
3. Navigate to the settings menu (usually an icon in the upper left corner).
4. Select "Add Device".
5. Choose "Motion Sensor" from the list of device types.
6. Follow the on-screen prompts to press and hold the light bulb button on the top of the sensor for 10 seconds until the LED blinks quickly.
7. Select the room where the sensor is located and click "Next".
8. The sensor will be added to your system and linked to the lights in the selected room.

Your browser does not support the video tag.

This video demonstrates the step-by-step process of setting up the Lutron Caseta Motion Sensor, including battery installation and pairing with the Lutron Caseta app.

OPERATION

Manual Control

The sensor has a light bulb button on its top surface. Pressing this button will manually toggle the connected lights on or off, allowing for immediate control independent of motion detection.

App Control and Settings Adjustment

Within the Lutron Caseta app, you can further customize the sensor's behavior:

- **Lights & Fans to Include:** Select which Caseta devices in the room the sensor will control.
- **Active Hours:** Define specific times when the sensor should be active (e.g., all day, only at night, or custom times).
- **Auto-On Level:** For dimmers, set the desired light level when the sensor automatically turns lights on.

Physical Settings Adjustment

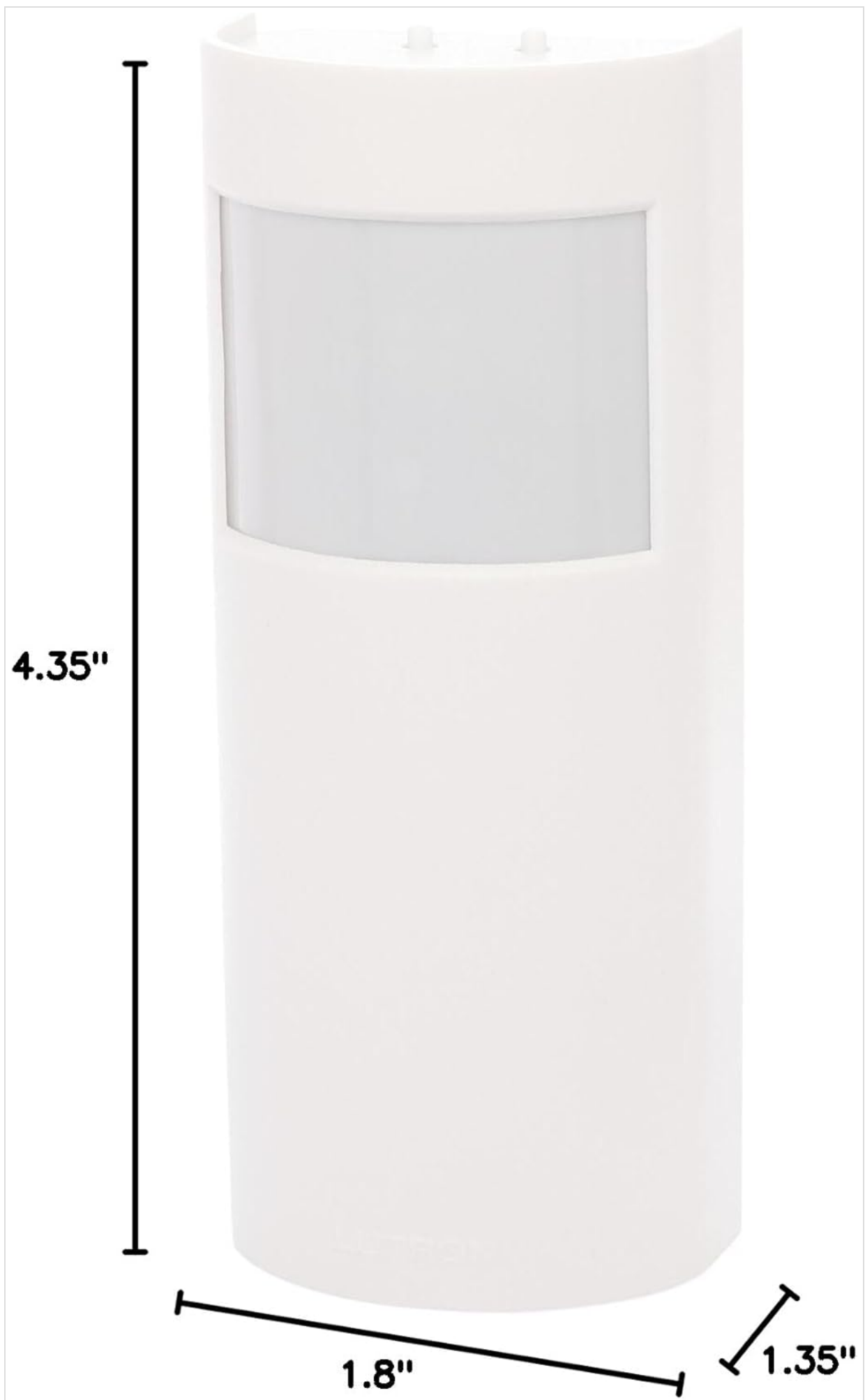
The back of the sensor features three buttons for adjusting physical settings:

- **Timeout:** Adjust the time delay before lights turn off after no motion is detected (5, 15, or 30 minutes).
- **Activity:** Set the motion sensing sensitivity (low, medium, or high).
- **Auto-On:** Enable or disable the automatic turn-on function.

To change these settings, hold down the corresponding button until the LED blinks, then press the button to cycle through options. Hold again to confirm the selection when the LED turns solid.

PLACEMENT GUIDELINES

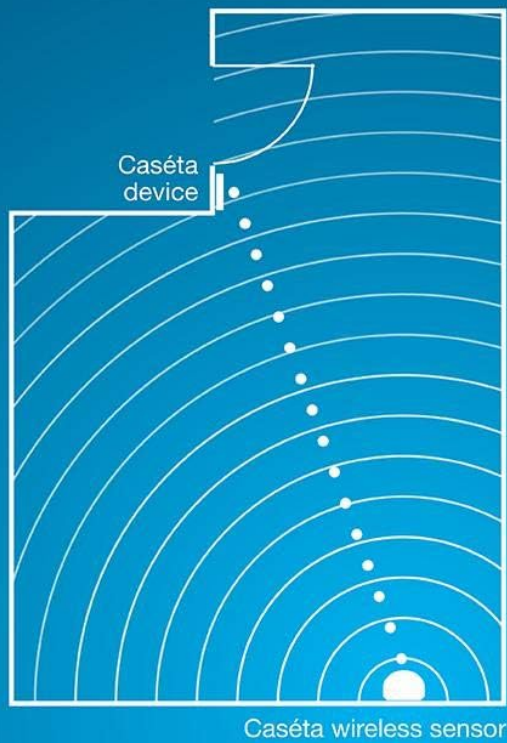
The Caseta Motion Sensor is designed for versatile placement. It can be placed freestanding on a flat surface or mounted to a wall or corner using the included bracket and hardware. Optimal placement ensures maximum coverage and reliable motion detection.



This image displays the dimensions of the Lutron Caseta Motion Sensor, providing measurements for depth, width, and height to assist with placement and installation planning.

Caséta Wireless Sensor

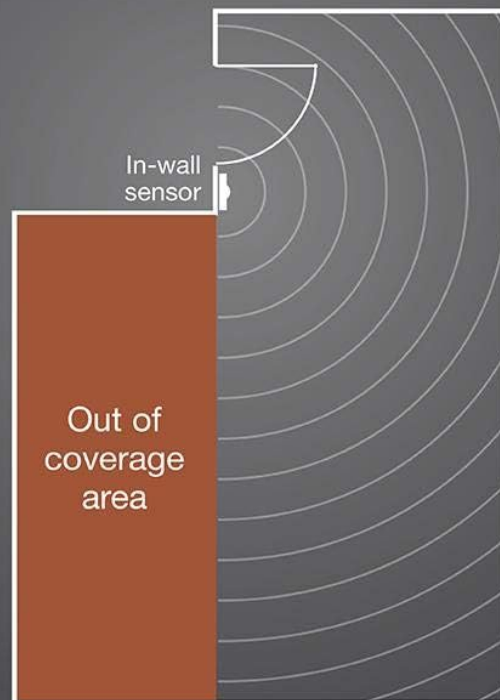
Select the best location
for optimal coverage



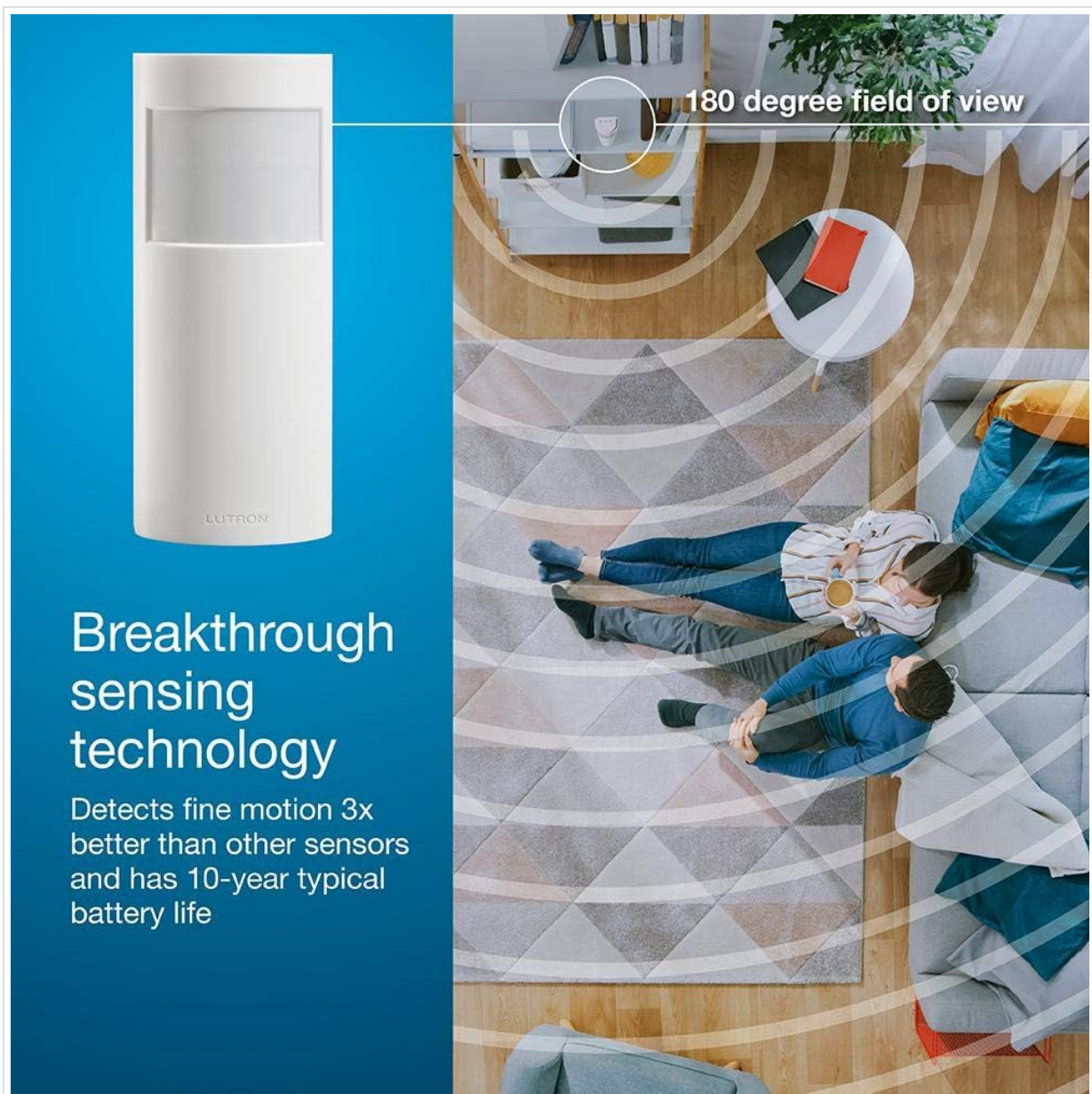
vs

In-wall Sensor

Placement restricted to
switch location which
limits coverage area



This graphic illustrates the difference in coverage between a Caseta Wireless Sensor and a traditional in-wall sensor, highlighting the flexibility of placement for optimal coverage with the wireless option.



Breakthrough sensing technology

Detects fine motion 3x better than other sensors and has 10-year typical battery life

The image demonstrates the 180-degree field of view of the Lutron Caseta Motion Sensor, showing its wide detection area for comprehensive room coverage.



This image shows the Lutron Caseta Motion Sensor placed in a bathroom, illustrating its hands-free operation in common household areas.

COMPATIBILITY

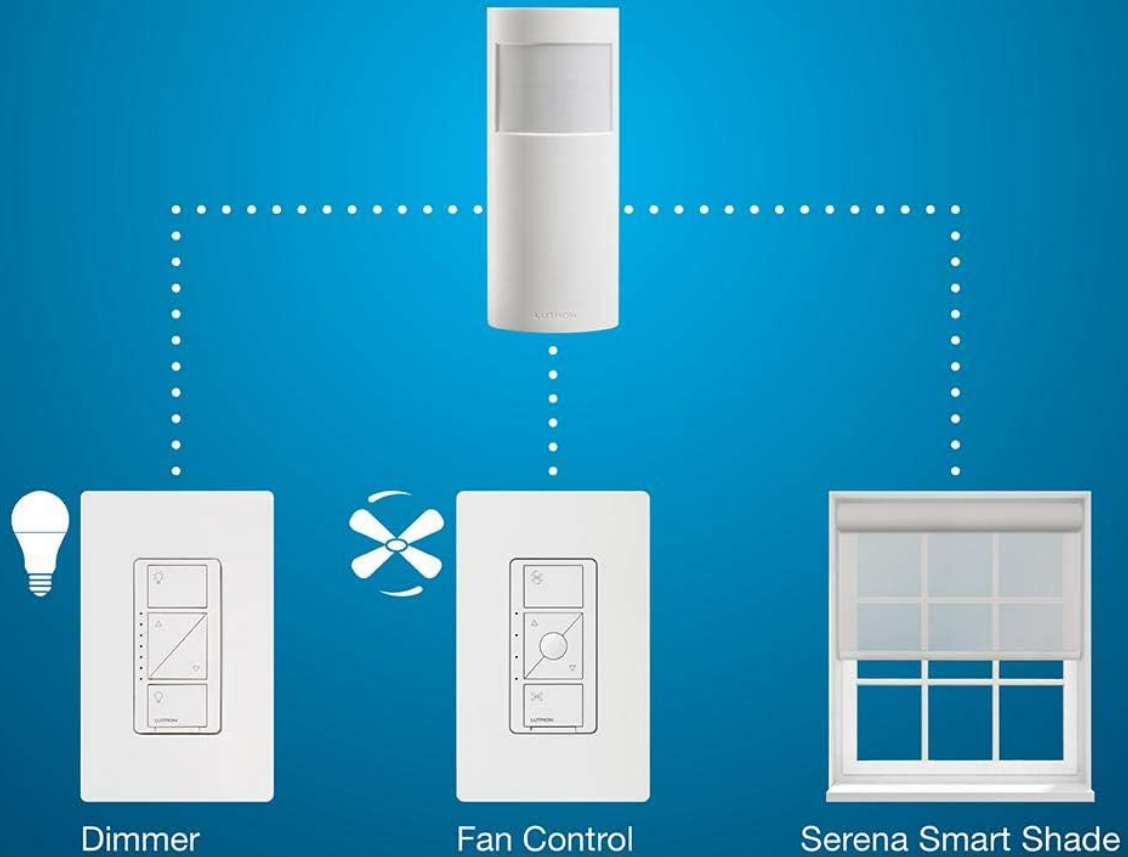
The Lutron Caseta PD-OSENS-WH Motion Sensor is compatible with the following Caseta model numbers:

- PD-6WCL (Caseta Wireless In-Wall Dimmer)
- PD-6ANS (Caseta Wireless In-Wall Switch)
- PD-5ANS (Caseta Wireless In-Wall Switch)
- PD-15OUT (Caseta Wireless Outdoor Smart Plug)
- PD-3PCL (Caseta Wireless Plug-in Dimmer)
- PD-FSQN (Caseta Wireless Fan Speed Control)

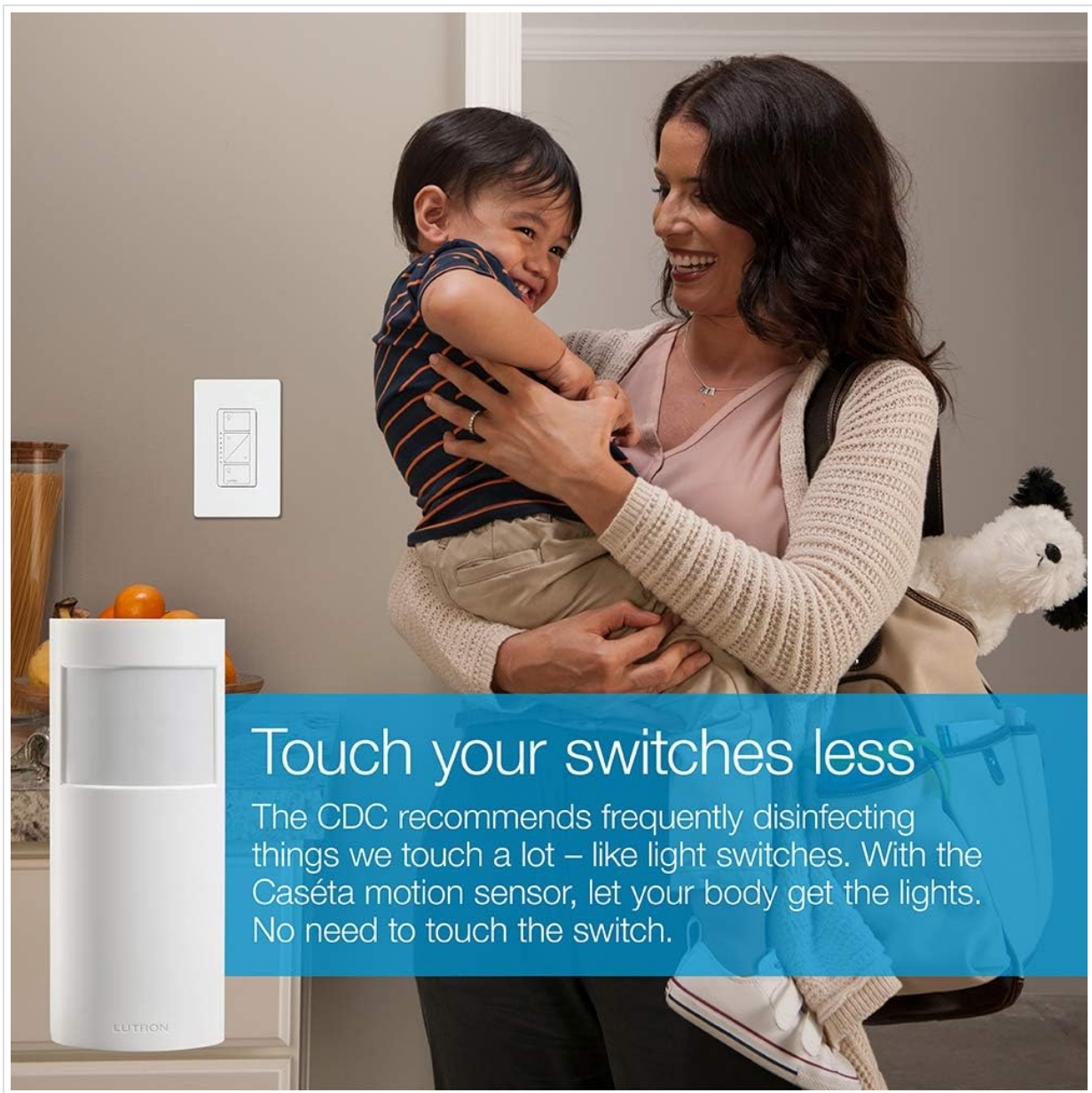
A Caseta Smart Hub (L-BDG2-WH) is required for full app customization and integration with other smart home platforms like Alexa, Apple HomeKit, Google Assistant, and Ring.

Customize Your Automation

Control any number and combination
of Caséta smart devices and Serena shades



This image illustrates how the Lutron Caséta Motion Sensor can control various Caséta smart devices, including dimmers, fan controls, and Serena smart shades, to customize home automation.



Touch your switches less

The CDC recommends frequently disinfecting things we touch a lot – like light switches. With the Caséta motion sensor, let your body get the lights. No need to touch the switch.

This image highlights the compatibility of the Lutron Caseta system, including the motion sensor, with various smart home platforms such as Alexa, Apple Home, Hey Google, and Ring, requiring a smart hub.

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This video provides an overview of the Caseta smart lighting system, explaining how smart switches can control regular bulbs and integrate with various smart home devices, offering a cost-effective and reliable solution for home automation.

MAINTENANCE

Battery Replacement

The sensor uses one CR123A 3V battery, which has a typical life of 10 years. When the battery is low, the LED indicator on the sensor may blink, or you may receive a notification in the Lutron Caseta app. To replace the battery, remove the battery cover on the back, replace the old battery with a new CR123A 3V battery, and reattach the cover.

Cleaning

To clean the sensor, wipe it gently with a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray directly onto the device.

TROUBLESHOOTING

- **Lights not turning on/off automatically:** Check battery level, ensure the sensor is paired correctly in the app, verify active hours and activity settings. Ensure no obstructions are blocking the sensor's field of view.
- **Sensor not responding:** Replace the battery. If the issue persists, try re-pairing the sensor with the Caseta system via the app.
- **False triggers:** Adjust the activity sensitivity setting to a lower level. Ensure the sensor is not placed near heat sources or in direct sunlight, which can cause false detections.
- **Difficulty pairing:** Ensure your Caseta Smart Hub is powered on and within range. Follow the app's pairing instructions carefully, holding the button for the specified duration.

SPECIFICATIONS

Brand	Lutron
Model Number	PD-OSENS-WH
Power Source	Battery Powered (1 CR123A 3V battery, included)
Item Weight	0.09 Kilograms (3.2 ounces)
Product Dimensions	1.35"D x 1.8"W x 4.35"H
Maximum Range	50 Feet
Field of View	180 Degrees
Mounting Type	Wall Mount
Operating Temperature	32-104 Degrees Fahrenheit
Recommended Use	Indoor

WARRANTY AND SUPPORT

Lutron products are known for their quality and reliability. For specific warranty information, please refer to the documentation included with your product or visit the official Lutron website. Lutron offers customer support to assist with any questions or issues you may encounter during setup or operation.

For further assistance, please visit the [Lutron Store on Amazon](#) or contact Lutron customer service directly.