Caséta™ Wireless In-Wall Switch

The Caséta™ Wireless In-Wall Switch controls various loads automatically through wireless sensors and wireless remote controls, providing a system that delivers energy savings, convenience, and ease of installation.

The Caséta™ Wireless In-Wall Switch uses Lutron® patented Clear Connect® RF Technology, which enables wireless communication with Radio Powr Savr™ sensors and Pico® remote controls for total load control.

Features

- The Caséta™ Wireless In-Wall Switch provides switching of multiple load types and, when paired with wireless transmitting devices, allows remote control and occupancy/vacancy sensing.
- Lutron® patented Clear Connect® RF Technology works through walls and floors.
- Includes Front Accessible Service Switch (FASS™) for safe lamp replacement.
- Two-wire switch ideal for retrofit applications. No neutral required.
- Power failure memory: If power is interrupted, the control will return to its previously-set level prior to interruption.

Load Type and Capacity

| Model Number | Description       | Voltage | Load Type           | Minimum Load | Maximum Load | Not Ganged | End of Gang | Middle of Gang |
|--------------|-------------------|---------|---------------------|--------------|--------------|------------|-------------|----------------|----------------|
| PD-5WS-DV-XX | Caséta™ Wireless  | 120/277 V~ | CFL/LED            | 40 W (LUT-MLC) | 5 A          | 4 A        | 3 A         |                |
|              | In-Wall Switch    | 120/277 V~ | Fluorescent        | 40 W (LUT-MLC) | 5 A          | 4 A        | 3 A         |                |
|              |                   | 120 V~    | Incandescent/Halogen| 25 W         | 600 W        | 450 W      | 350 W       |                |
|              |                   | 277 V~    | Incandescent/Halogen| 25 W         | 1350 W       | 1100 W     | 800 W       |                |
|              |                   | 120 V~    | ELV                | 40 W (LUT-MLC) | 600 W        | 450 W      | 350 W       |                |
|              |                   | 277 V~    | ELV                | 40 W (LUT-MLC) | 1350 W       | 1100 W     | 800 W       |                |
|              |                   | 120 V~    | MLV                | 25 W         | 600 VA/475 W | 450 VA/350 W | 350 VA/275 W |                |
|              |                   | 277 V~    | MLV                | 25 W         | 1350 VA/1075 W | 1100 VA/875 W | 800 VA/625 W |                |
|              |                   | 120 V~    | General Purpose Fan| 0.4 A       | 3 A          | 3 A        | 3 A         |                |

1 No Neutral Required.
2 “XX” in the model number represents color/finish code.
3 To ensure proper installation, install LUT-MLC.
4 See “Ganging and Derating” section.
Specifications

Regulatory Approvals
• cULus Listed
• NOM Certified
• FCC Approved. Complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules
• Industry Canada Certified
• COFETEL Certified

Power
Operating voltage:
120/277 V~ 50/60 Hz

Key Design Features

All RF Local Controls
• Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 61000-4-2.
• Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991 Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits.
• Switches always operate locally and do not require system control.
• Power failure memory: should power be interrupted, the control will return to its previously set level prior to the interruption when power is restored.
• Uses conventional 3-way wiring.
• Uses Lutron® Claro® wallplates or designer-style wallplates from other manufacturers. Wallplates are sold separately.
• Lutron® Claro® wallplates snap on with no visible means of attachment.
• Requires a 1-gang U.S. wallbox. 3½ in (89 mm) depth recommended, 2¼ in (57 mm) depth minimum.
• Green status LED.

System Communications and Capacity
• The Caséta™ Wireless In-Wall Switch communicates with the Pico® remote controls and Radio Power Savr™ sensors through radio frequency (RF).
• The Caséta™ Wireless In-Wall Switch must be located within 60 ft (18 m) line-of-sight or 30 ft (9 m) through walls, of Pico® remote controls and Radio Power Savr™ sensors.
• Up to ten transmitting devices may be associated to each in-wall switch.

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

Status LED  
Indicates load status; glows softly as night light when load is off

On

Off

FASS™  
Front Accessible Service Switch

**FASS™ — Front Accessible Service Switch**

**Important Notice:** To service load, remove power by pulling out the FASS™ as far as possible. To restore power after servicing load, push the FASS™ back in completely.

**Mounting**

Wallbox

Switch Mounting Screws

Switch

FASS™ Front Accessible Service Switch

Adapter Mounting Screws

Wallplate Adapter

Wallplate Adapter/Wallplate purchased separately

Wallplate
**Dimensions**

**Front View**

**Side View**

- 2 15/16 in (75 mm)
- 4 11/16 in (119 mm)
- 5/16 in (8 mm)
- 1 1/8 in (30 mm)

**Ganging and Derating**

When ganging with other switches in the same wallbox, derating is required. See “Load Type and Capacity” chart.

- Each switch has inside fins removed
- Middle of ganged switches has all fins removed
- Do not remove outside fins on ends of ganged switches
Wiring Diagrams

Single Location Installation

3-Way Installation
(With Mechanical Switch)

Multi-location Installation

With Pico® remote controls (PJ2-2B-xx) and wallbox mounting adapters (PICO-WBX-ADAPT)

1 When using controls without mechanical 3-way switch, cap blue terminal. Do not connect the blue wire to any other wiring or to ground.

2 A LUT-MLC ensures proper function when fluorescent, CFL, or LED loads are used. Install the LUT-MLC inside a load fixture or in a separate junction box of the circuit. The LUT-MLC may also be installed in the wallbox with the switch if neutral is present and space permits.

3 Location of Caséta™ Wireless In-Wall Switch and mechanical switch may be reversed.
Colors and Finishes

Gloss Finishes

- White (WH)
- Black (BL)
- Ivory (IV)
- Light Almond (LA)

Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.