

## 5 A 2-Button RF Switch

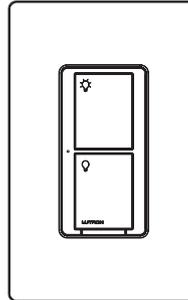
The 5 A 2-Button RF Switch controls various loads automatically through wireless sensors and wireless remote controls, providing a system that delivers energy savings, convenience, and ease of installation.

The 5 A 2-Button RF 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.

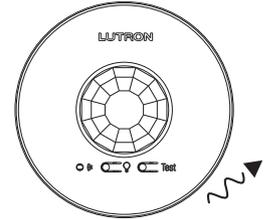
### Features

- The 5 A 2-Button RF Switch provides switching of multiple load types and, when paired with wireless transmitting devices, allows remote control, occupancy/vacancy sensing, and daylight harvesting.
- 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.

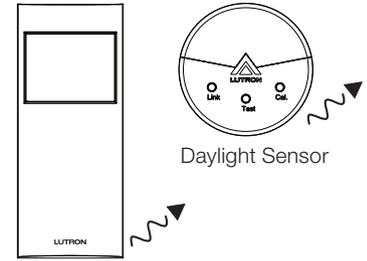
Receiving Device  
5 A 2-Button RF Switch



Wireless Transmitting Devices  
Radio Powr Savr Sensors



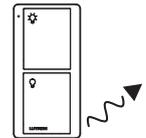
Ceiling-mounted  
Occupancy/Vacancy Sensor



Wall-mounted  
Occupancy/Vacancy  
Sensor

Daylight Sensor

Pico Remote Control



### Load Type and Capacity

Model Number	Description	Voltage	Load Type	Minimum Load	Maximum Load <sup>4</sup>		
					Not Ganged	End of Gang	Middle of Gang
PD-5S-DV-XX <sup>1,2</sup>	5 A 2-Button RF Switch	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~	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
		120/277 V~	CFL/LED	Use LUT-MLC <sup>3</sup>	5 A	4 A	3 A
		120/277 V~	Fluorescent	Use LUT-MLC <sup>3</sup>	5 A	4 A	3 A
		120 V~	ELV	Use LUT-MLC <sup>3</sup>	600 W	450 W	350 W
277 V~	ELV	Use LUT-MLC <sup>3</sup>	1350 W	1100 W	800 W		

<sup>1</sup> No Neutral Required.

<sup>2</sup> "XX" in the model number represents color/finish code.

<sup>3</sup> To ensure proper operation of the switch with CFL, LED, fluorescent, and ELV loads, the LUT-MLC may be required, especially at lower wattages. If the status LED on the switch is flashing or solid red in color, the LUT-MLC must be installed. To guarantee best performance, installing the LUT-MLC with these load types regardless of wattage is recommended. Rarely, some load types may still flicker or glow in the off state even with the LUT-MLC installed, in which case a different load may be required. If controlling Type B TLED bulbs, consult Application Note #812 (P/N 048812) on [www.lutron.com](http://www.lutron.com)

<sup>4</sup> See "Ganging and Derating" section.

<b>Job Name:</b>	<b>Model Numbers:</b>
<b>Job Number:</b>	

## 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
- IFTEL Certified (pending)

### Power

Operating voltage:

120/277 V~ 50/60 Hz

### Key Design Features

- 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

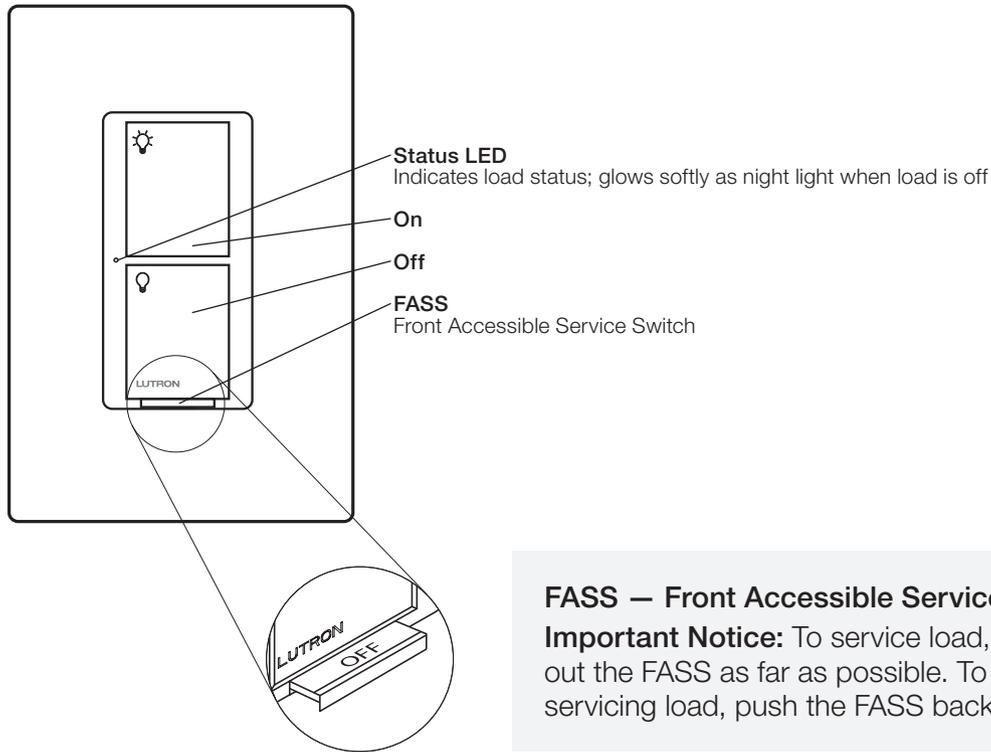
- The 5 A 2-Button RF Switch communicates with the Pico remote controls and Radio Power Savr sensors through radio frequency (RF).
- The 5 A 2-Button RF Switch must be located within 60 ft (18 m) line-of-sight or 30 ft (9 m) through walls, of Pico remote controls and Radio Power Savr sensors.
- Up to ten transmitting devices (limit one daylight sensor) may be associated to each RF switch.

### Environment

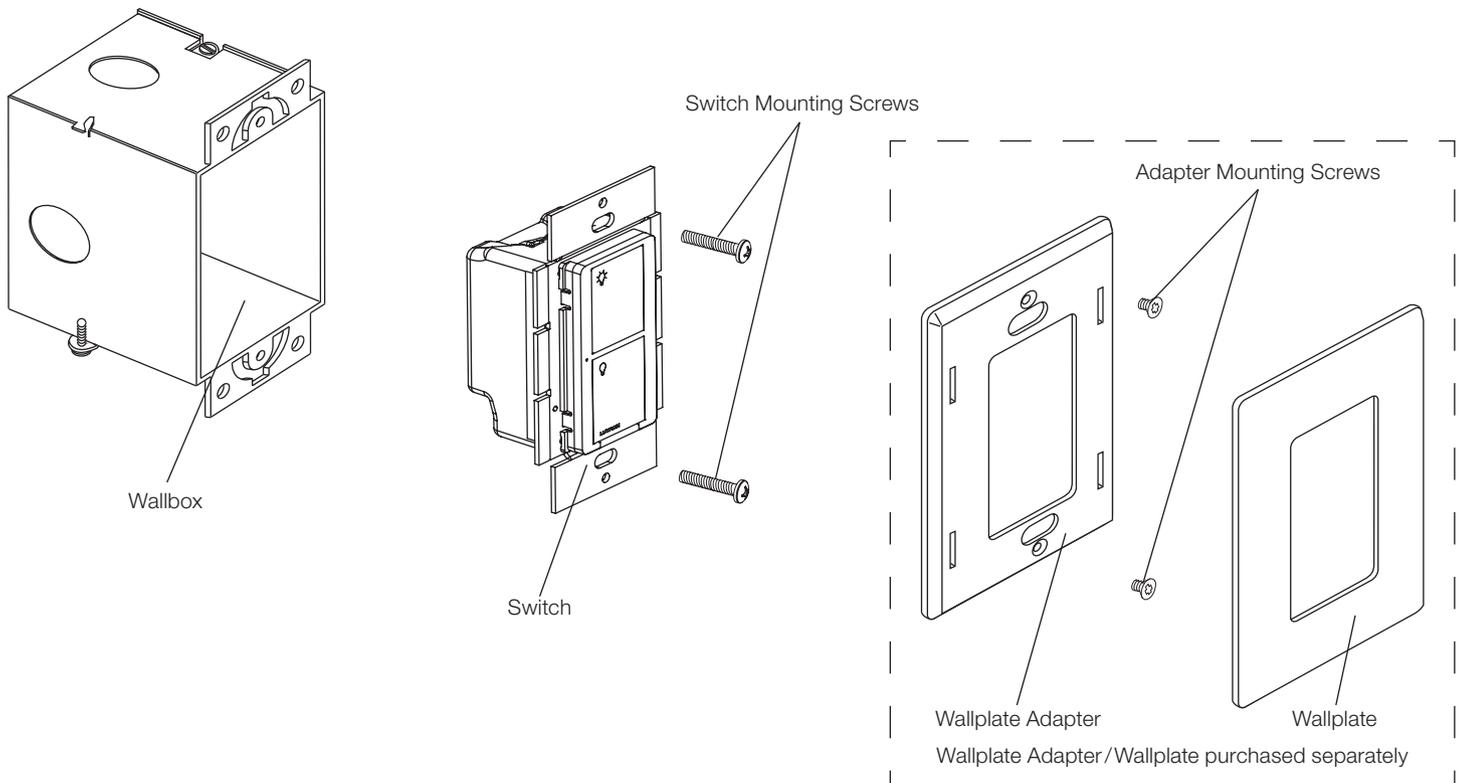
- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0%–90% humidity, non-condensing. Indoor use only.

<p><b>Job Name:</b></p> <p><b>Job Number:</b></p>	<p><b>Model Numbers:</b></p>
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### Operation



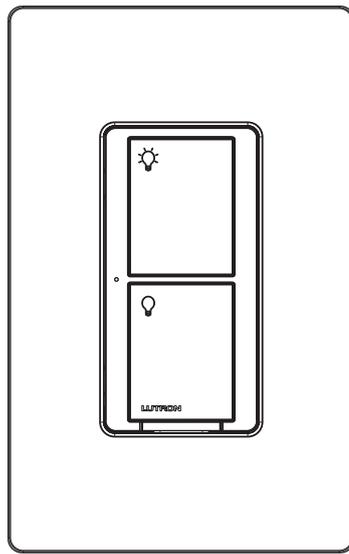
### Mounting



Job Name:	Model Numbers:
Job Number:	

### Dimensions

Front View

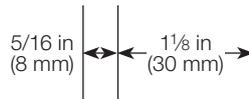
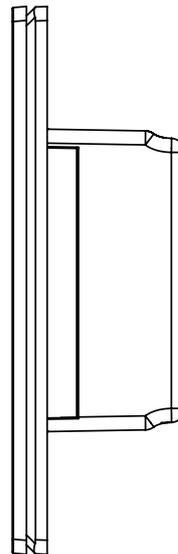


4<sup>11</sup>/<sub>16</sub> in  
(119 mm)



2<sup>15</sup>/<sub>16</sub> in  
(75 mm)

Side View

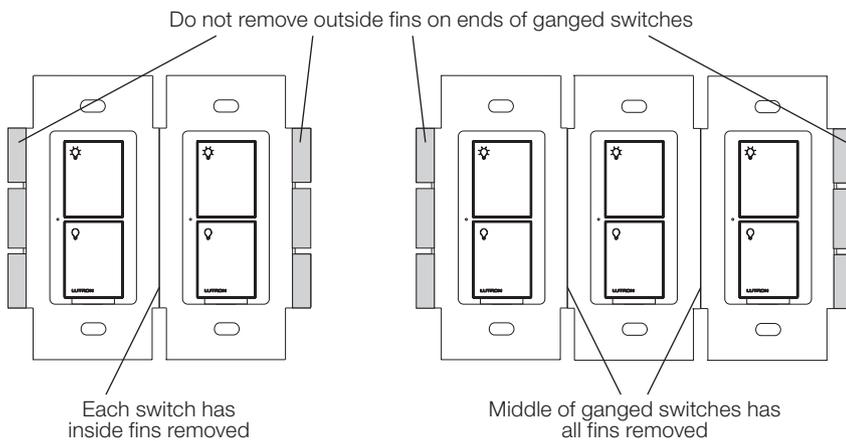


5/16 in  
(8 mm)

1/8 in  
(30 mm)

### Gangung and Derating

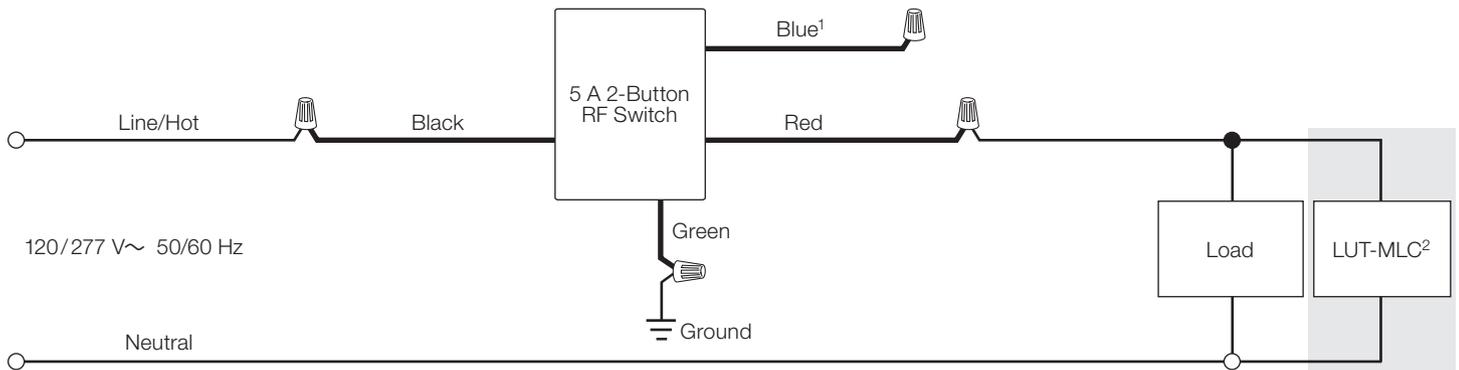
When ganging with other switches in the same wallbox, derating is required. See “Load Type and Capacity” chart.



Job Name:	Model Numbers:
Job Number:	

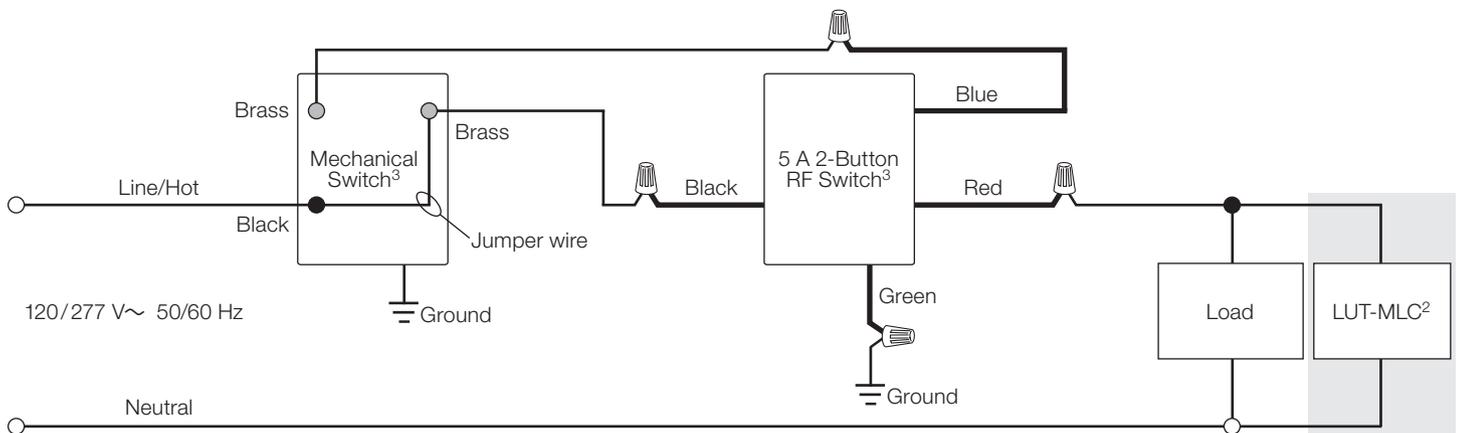
## Wiring Diagrams

### Single Location Installation



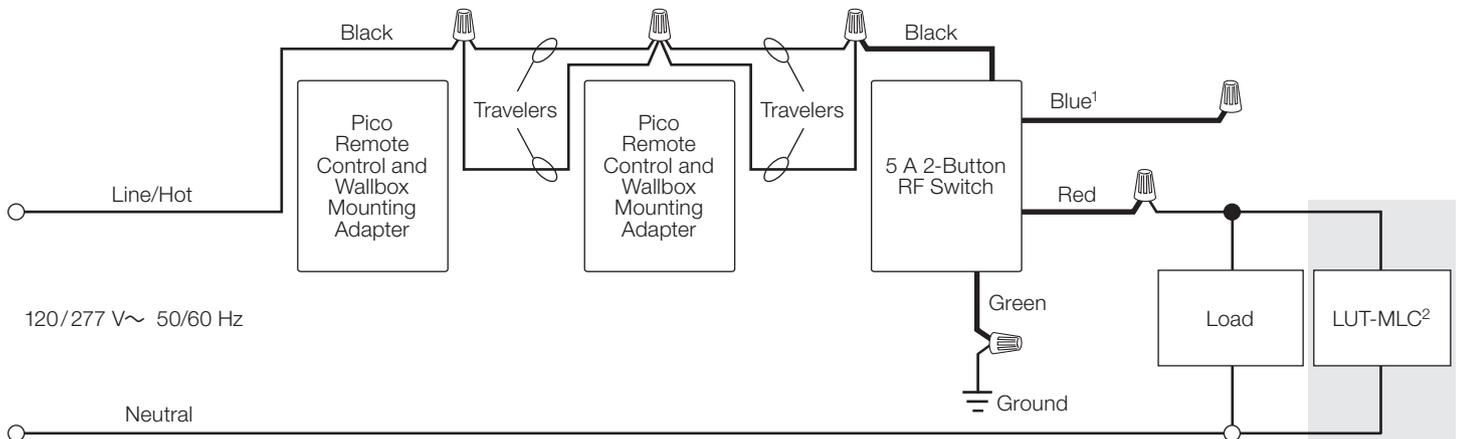
### 3-Way Installation

With mechanical switch



### Multi-location Installation (for installations where 3 or more switches control the load)

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



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

<sup>2</sup> A LUT-MLC ensures proper function when CFL/LED, fluorescent, or ELV loads are used. Install the LUT-MLC inside a load fixture or in a separate junction box within the circuit. If controlling Type B TLED bulbs, consult Application Note #812 (P/N 048812) on [www.lutron.com](http://www.lutron.com)

<sup>3</sup> Location of RF switch and mechanical switch may be reversed.

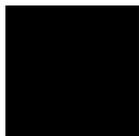
Job Name:	Model Numbers:
Job Number:	

## 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.

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**LUTRON** SPECIFICATION SUBMITTAL

Page

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