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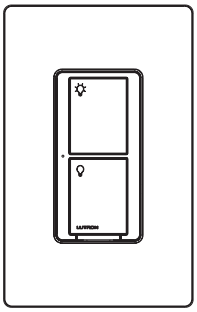
Caséta® Wireless In-Wall Switch

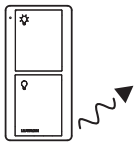
The Caséta® Wireless In-Wall Switch provides switching of multiple load types and, when paired with Pico® remote controls, allows wireless control from anywhere in the space.

The Caséta® Wireless In-Wall Switch uses Lutron® patented Clear Connect® RF Technology which enables wireless communication with Pico® remote controls and the Lutron® Smart Bridge and Smart Bridge PRO.

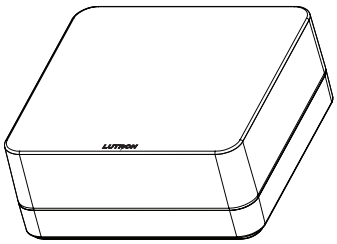
Caséta® Wireless In-Wall Switch



Pico® Remote Control



Lutron® Smart Bridge and Smart Bridge PRO



Feature	PD-5WS-DV	PD-6ANS
Works with Pico® remote controls	√	√
Works with the Lutron® App (via a Smart Bridge or Smart Bridge PRO)*	√	√
Lutron® patented Clear Connect® RF Technology works through walls and floors	√	√
Includes Front Accessible Service Switch (FASS™) for safe lamp replacement	√	√
Works with Lutron® Radio Powr Savr™ Occupancy and Vacancy Sensors in standalone applications (sensors do not work with Smart Bridge or Smart Bridge PRO)	√	√
Dual voltage (120 V~ and 277 V~)	√	
Simple two-wire installation (no neutral wire required)	√	
Installation requires neutral wire		√
May need LUT-MLC for load compatibility	√	
Switching capacity	5 A	6 A
Best load type compatibility (no LUT-MLC required)		√
Low minimum load requirement		√

* The Lutron® App is required for setup and use with the Smart Bridge and Smart Bridge PRO. The Lutron® App is compatible with iOS® devices version 6.0 or later and Android™ devices 4.0 or later.

LUTRON® SPECIFICATION SUBMITTAL Page 1

Job Name:	Model Numbers:	
Job Number:		

Load Type and Capacity

Model Number	Description	Voltage	Load Type	Minimum Load	Maximum Load[4]		
					Not Ganged	End of Gang	Middle of Gang
PD-5WS-DV-XX[1, 2]	Two-wire 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~	LED	Use LUT-MLC[3]	5 A	4 A	3 A
		120/277 V~	Fluorescent	Use LUT-MLC[3]	5 A	4 A	3 A
		120 V~	ELV	Use LUT-MLC[3]	600 W	450 W	350 W
		277 V~	ELV	Use LUT-MLC[3]	1350 W	1100 W	800 W
PD-6ANS-XX[2, 5]	Neutral-wire switch	120 V~	Incandescent/Halogen	10 W	720 W	720 W	600 W
			MLV	10 W	720 VA	720 VA	600 VA
			Fan	0.1 A	3.6 A	3.6 A	3.6 A
			LED	1 bulb	6 A	6 A	5 A
			Fluorescent	1 ballast	6 A	6 A	5 A
			ELV	10 W	720 VA	720 VA	600 VA

1 No Neutral Required.

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

3 To ensure proper operation of the switch with LED, fluorescent, and ELV loads, a LUT-MLC may be required, especially at lower wattages. If the status LED on the switch is flashing or solid red in color, a LUT-MLC must be installed. To guarantee best performance, installing a 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.

4 See "Ganging and Derating" section.

5 Neutral required.

Job Name:	Model Numbers:	
Job Number:		

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
- NEMA 410

Power

Operating voltage:

- PD-5WS-DV: 120/277 V~ 50/60 Hz
- PD-6ANS: 120 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 Caséta® Wireless In-Wall Switch communicates with Pico® remote controls and the Lutron® Smart Bridge/Smart Bridge PRO through radio frequency (RF).
- The Caséta® Wireless In-Wall Switch communicates with Lutron® Radio Powr Savr™ Occupancy and Vacancy Sensors in a standalone application. Sensors do not work with Smart Bridge or Smart Bridge PRO.
- 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 Lutron® Smart Bridge devices.

Device limits

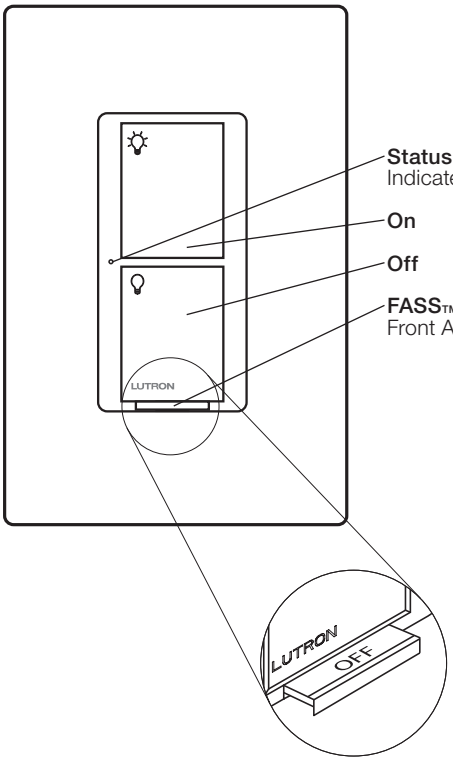
- Pico® remote controls and Radio Powr Savr™ occupancy sensors: up to 10 devices (total) may be paired to each Caséta® Wireless In-Wall Switch (with no Smart Bridge installed)
- Smart Bridge or Smart Bridge PRO system: up to 50 total wireless devices (Caséta® Wireless dimmers/switches, Pico® remote controls) are supported per system. Smart Bridge or Smart Bridge PRO counts as one device.

Environment

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

Job Name:	Model Numbers:	
Job Number:		

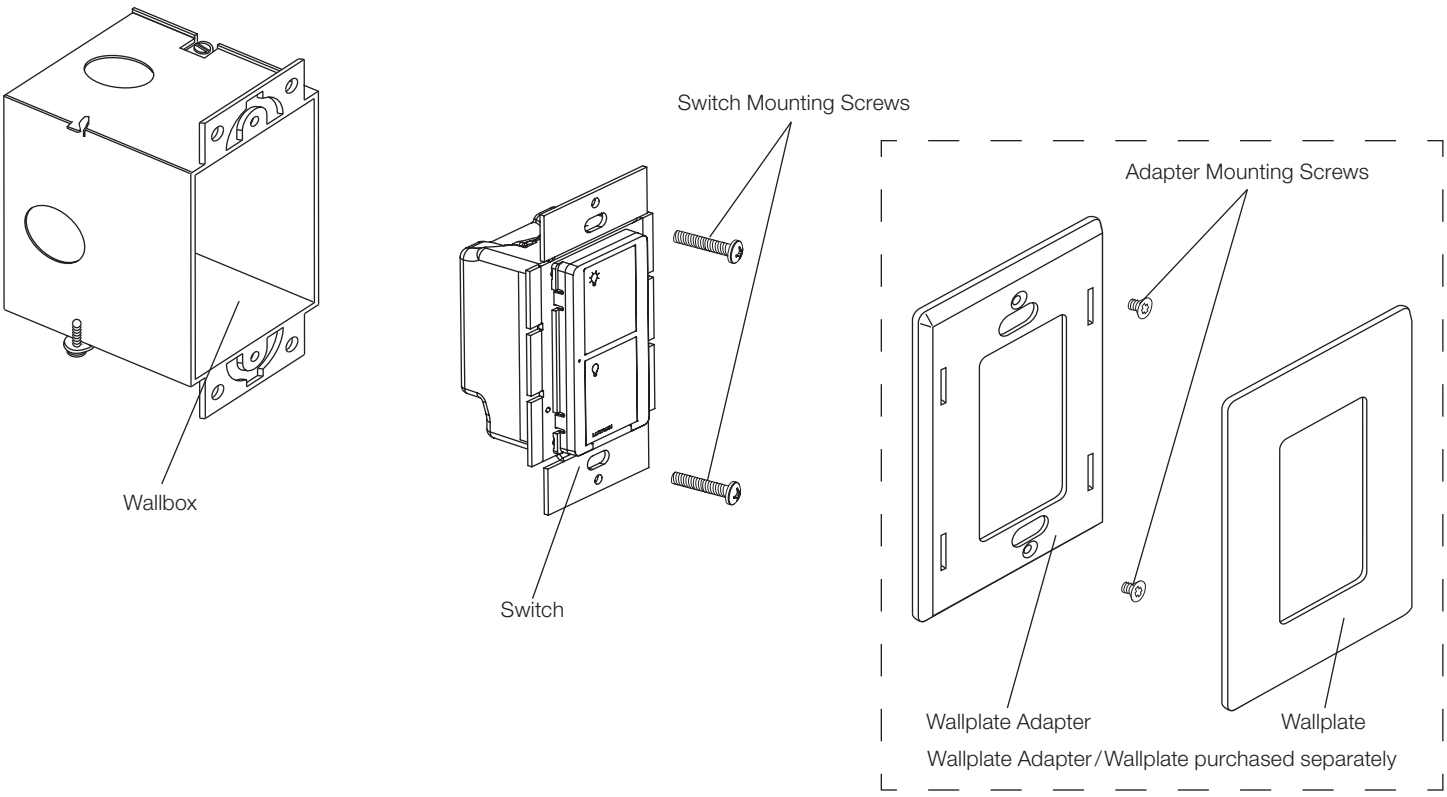
Operation



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

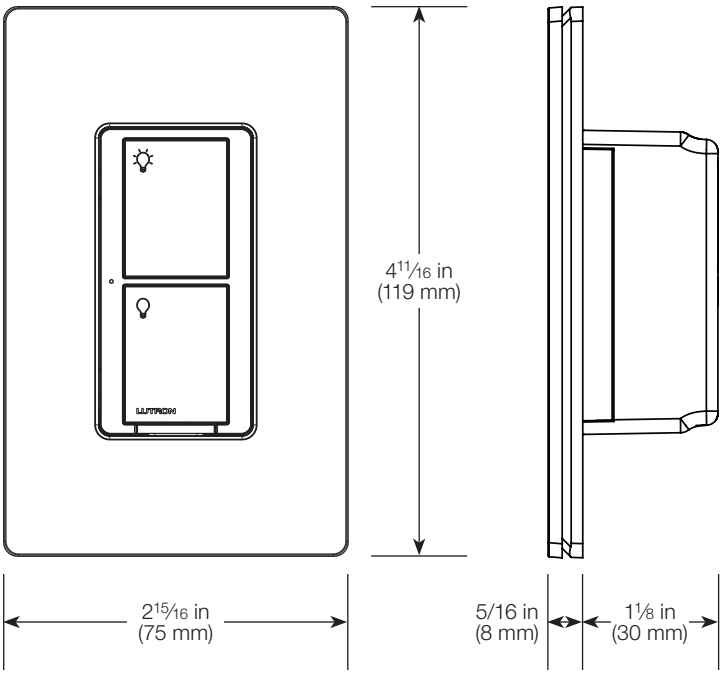


Job Name:	Model Numbers:	
Job Number:		

Dimensions

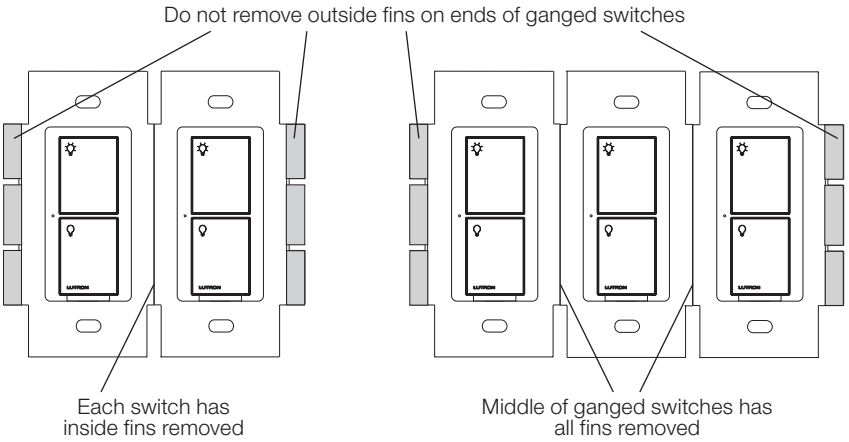
Front View

Side View



Ganging and Derating

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

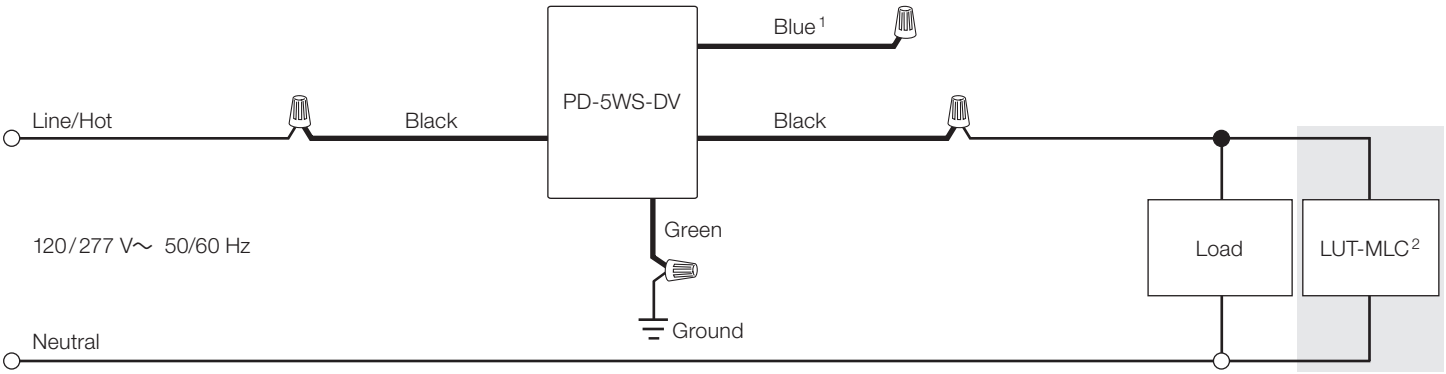


Job Name:	Model Numbers:	
Job Number:		

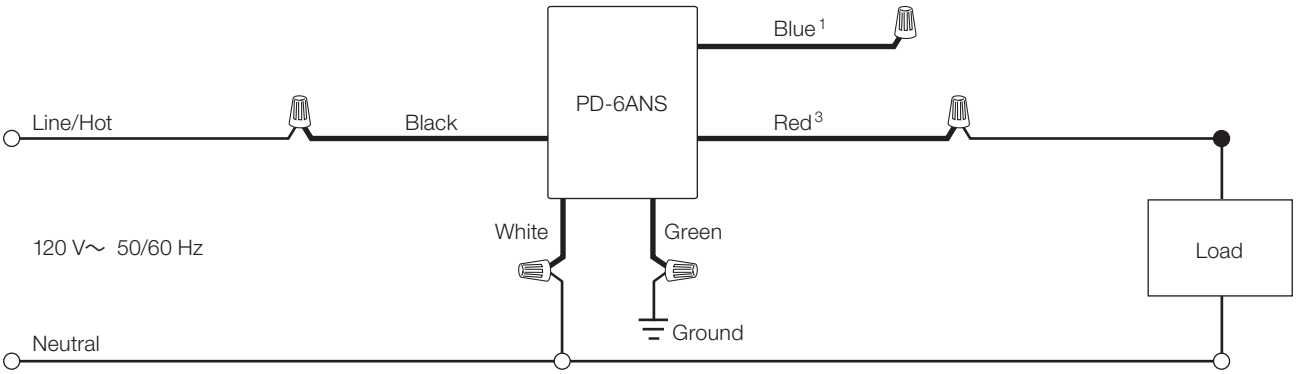
Wiring Diagrams

Single Location Installation

PD-5WS-DV



PD-6ANS



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

2 A LUT-MLC ensures proper function when LED, fluorescent, or ELV loads are used. Install the LUT-MLC inside a load fixture or in a separate junction box within the circuit.

3 The red wire must be connected to the load and the black wire must be connected to Line/Hot. The switch will not work if the wires are reversed.

(continued on next page…)

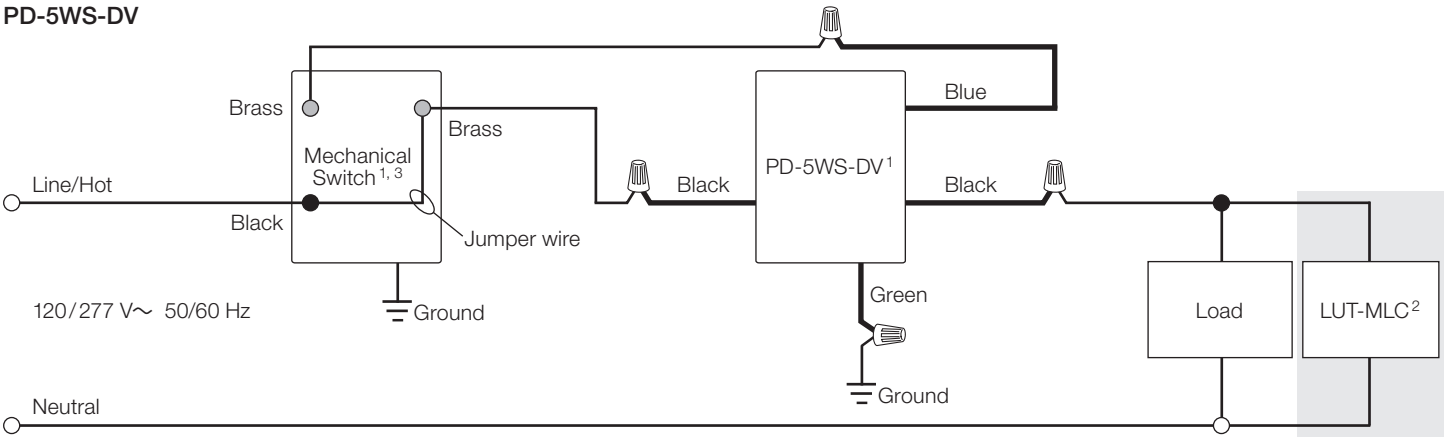
Job Name:	Model Numbers:	
Job Number:		

Wiring Diagrams (continued)

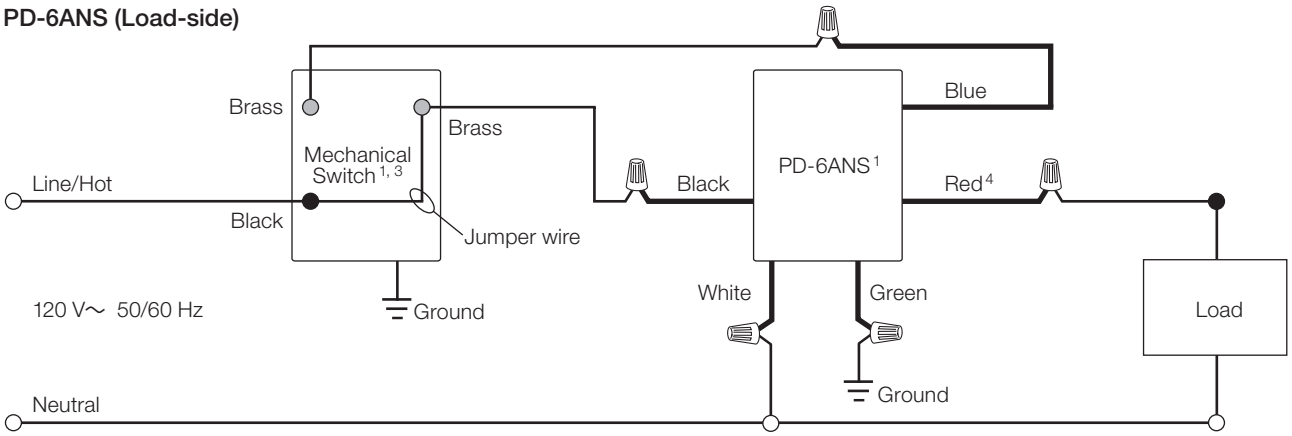
3-Way Installation

Option 1: With mechanical switch

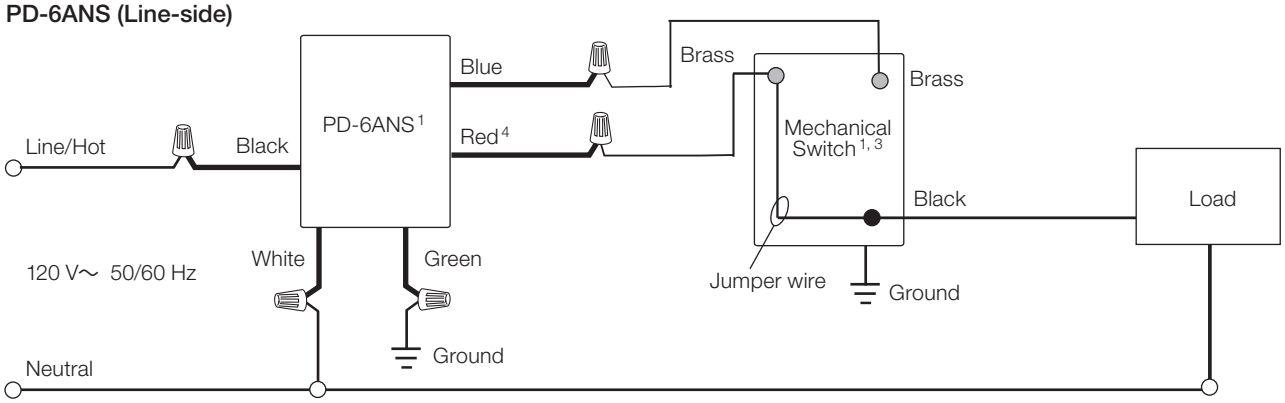
PD-5WS-DV



PD-6ANS (Load-side)



PD-6ANS (Line-side)



1 Location of Caséta® Wireless In-Wall Switch and mechanical switch may be reversed.
2 A LUT-MLC ensures proper function when LED, fluorescent, or ELV loads are used. Install the LUT-MLC inside a load fixture or in a separate junction box within the circuit.
3 A second location requires rewiring.
4 The red wire must be connected to the load and the black wire must be connected to Line/Hot. The switch will not work if the wires are reversed.

(continued on next page…)

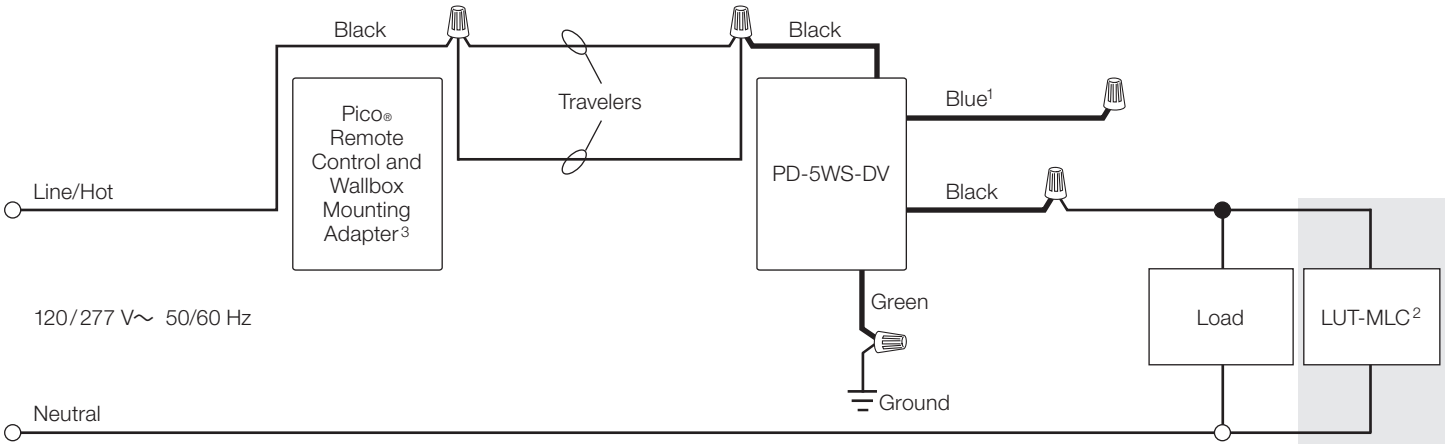
Job Name:	Model Numbers:	
Job Number:		

Wiring Diagrams (continued)

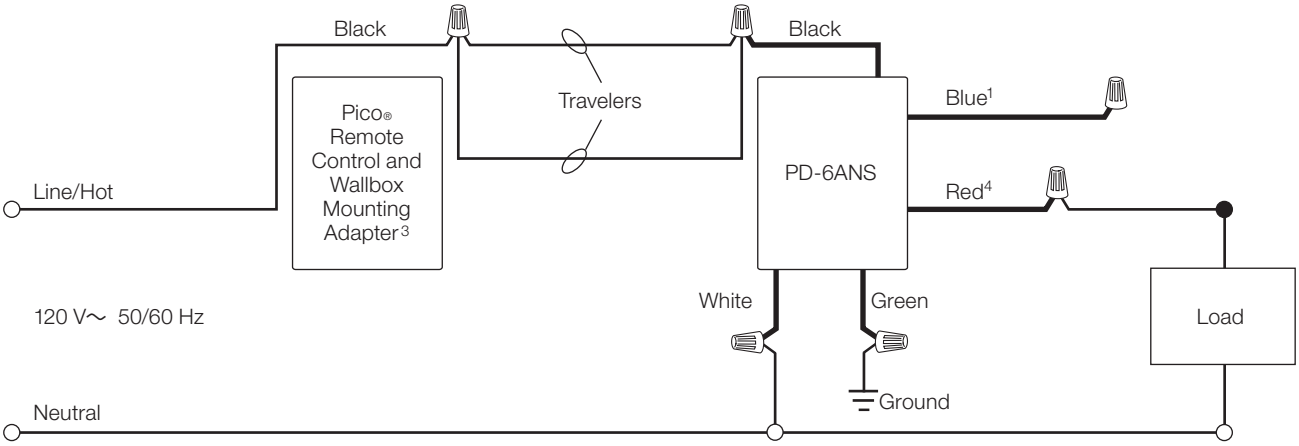
3-Way Installation

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

PD-5WS-DV



PD-6ANS



1 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.

2 A LUT-MLC ensures proper function when LED, fluorescent, or ELV loads are used. Install the LUT-MLC inside a load fixture or in a separate junction box within the circuit.

3 A second location requires rewiring.

4 The red wire must be connected to the load and the black wire must be connected to Line/Hot. The switch will not work if the wires are reversed.

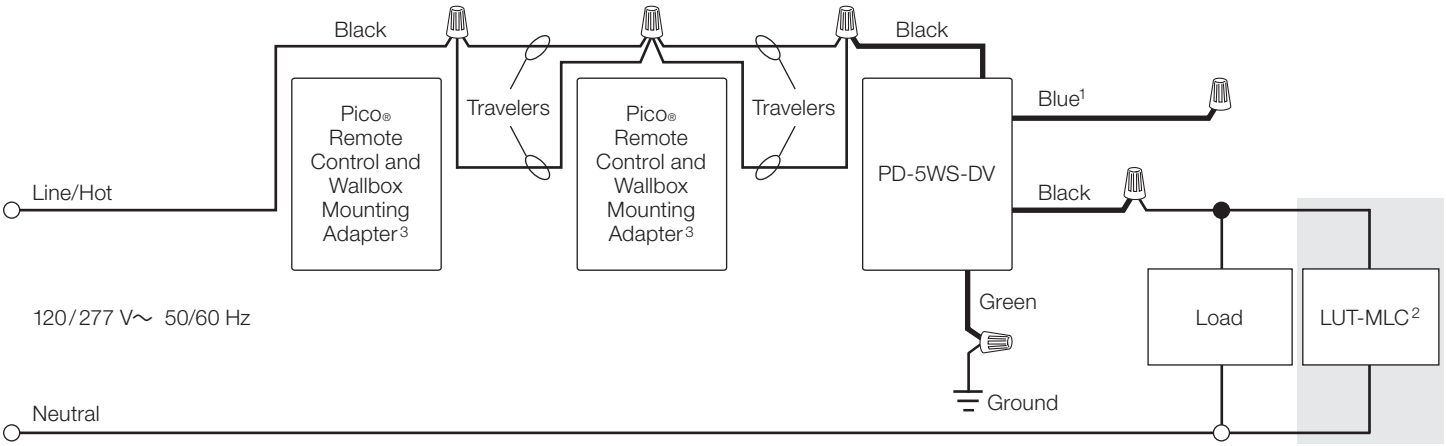
(continued on next page…)

Job Name:	Model Numbers:	
Job Number:		

Wiring Diagrams (continued)

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)

PD-5WS-DV



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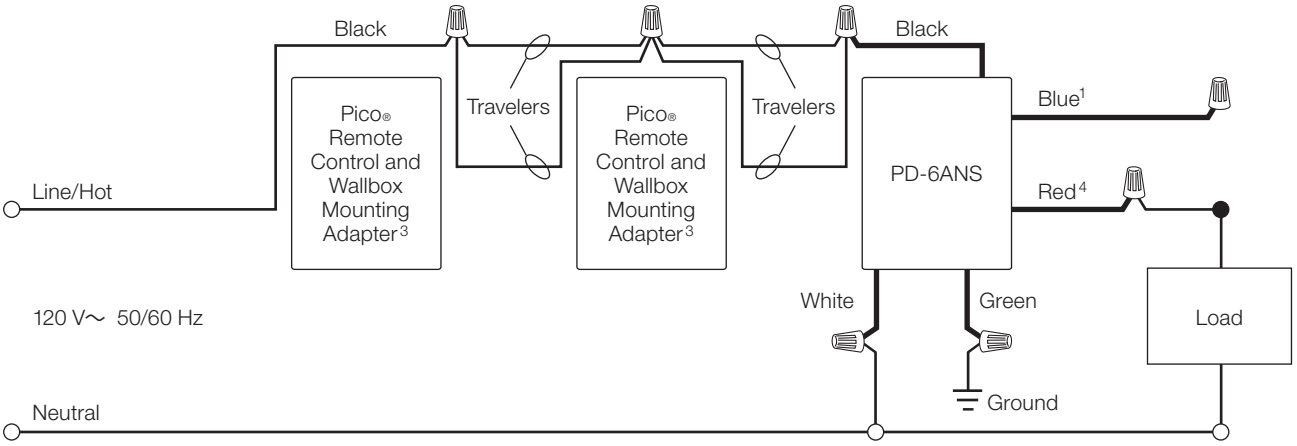
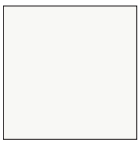


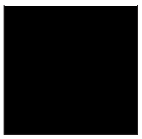
1 When using controls without mechanical 3-way switch, cap the blue terminal. **Do not** connect the blue wire to any other wiring or to ground.
2 A LUT-MLC ensures proper function when LED, fluorescent, or ELV loads are used. Install the LUT-MLC inside a load fixture or in a separate junction box within the circuit.
3 Each location requires rewiring.
4 The red wire must be connected to the load and the black wire must be connected to Line/Hot. The switch will not work if the wires are reversed.

Job Name:	Model Numbers:	
Job Number:		

Colors and Finishes

Gloss Finishes


White
WH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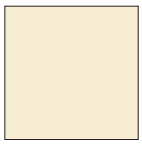
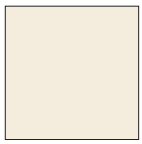
BL


Ivory
IV


Light Almond
LA

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

Job Name:	Model Numbers:	
Job Number:		