5 A 2-Button RF Switch

The 5 A 2-Button RF Switch controls the load automatically through wireless sensors and wireless remote controls which provides a system that delivers energy savings, convenience, and ease of installation.
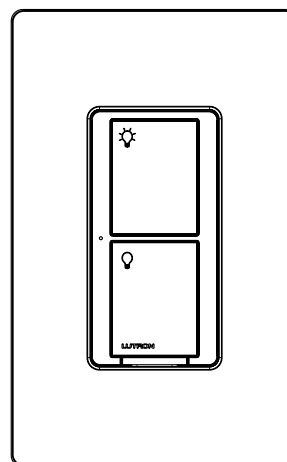
The 5 A 2-Button RF Switch uses Lutron® patented Clear Connect® RF Technology, which enables wireless communication with Radio Powr Savr™ sensors and Pico® wireless controls for total load control.

Features

- The 5 A 2-Button RF Switch provides switching of multiple load types, 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 perfect for retrofit applications.

- Power failure memory: If power is interrupted, the control will return to its previously set level prior to interruption.

Receiving Device
5 A 2-Button RF Switch

Transmitting Devices
Radio Powr Savr™ Sensors

Ceiling-mounted occupancy / vacancy sensor

Wall-mounted occupancy / vacancy sensor

Daylight Sensor

Pico® Wireless Control

Models:

Model Number	Description	Voltage	Load Type	Minimum Load	Maximum Load		
					Not Ganged	**End of Gang**	**Middle of Gang**
PD-5S-DV-XX [1,2]	Electronic Switch	120/277 V∼	CFL/LED	40 W (LUT-MLC) [3]	5 A	4 A	3 A
		120/277 V∼	Fluorescent	40 W (LUT-MLC) [3]	5 A	4 A	3 A
		120 V∼	Incandescent/ Halogen	25 W	600 W	500 W	400 W
		277 V∼	Incandescent/ Halogen	25 W	1400 W	1100 W	800 W
		120 V∼	ELV	40 W (LUT-MLC) [3]	600 W	500 W	400 W
		277 V∼	ELV	40 W (LUT-MLC) [3]	1400 W	1100 W	800 W
		120 V∼	MLV	25 W	600 VA/ 450 W	500 VA/ 375 W	400 VA/ 300 W
		277 V∼	MLV	25 W	1400 VA/ 1000 W	1100 VA/ 800 W	800 VA/ 600 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.

Job Name:	Model Numbers:
Job Number:	

Specifications

Regulatory Approvals

- UL® Listed
- CSA Certified
- FCC Approved. Complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules
- Industry Canada Certified

Power

Operating voltage:
120 V∼ 50/60 Hz
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.
- Controls 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.
- Use Lutron® Designer (Claro® and Satin Colors®) wallplates or designer-style wallplates from other manufacturers. Wallplates are sold separately.
- Lutron Claro® and Satin Colors® wallplates snap on with no visible means of attachment.
- Requires a 1-gang U.S. wallbox. 3½ in (89 mm) deep recommended, 2¼ in (57 mm) deep minimum.
- Green status LED.
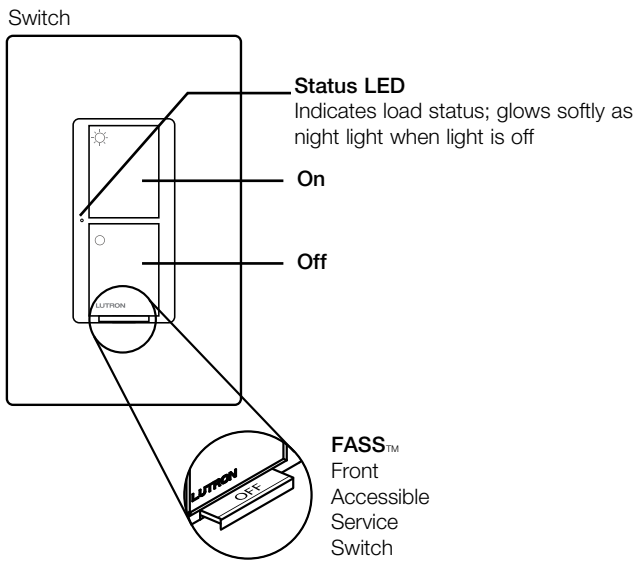
System Communications and Capacity

- The 5 A 2-Button RF Switch communicates with the Pico® wireless 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 Radio Power Savr™ sensors.
- 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 a Pico® wireless control.

Environment

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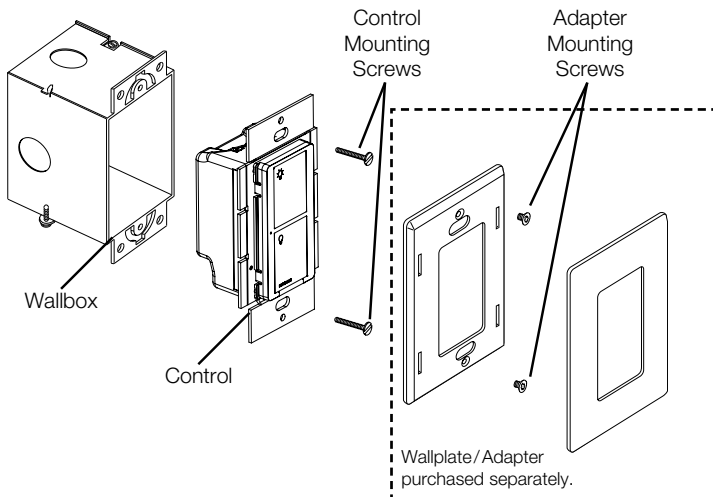
Job Name:	Model Numbers:
Job Number:	

Operation

Switch

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

On

Off

FASS™
Front
Accessible
Service
Switch

> **IMPORTANT NOTICE:**
> **FASS**™ - Front Accessible Service Switch - to service load, remove power by pulling the FASS™ switch out
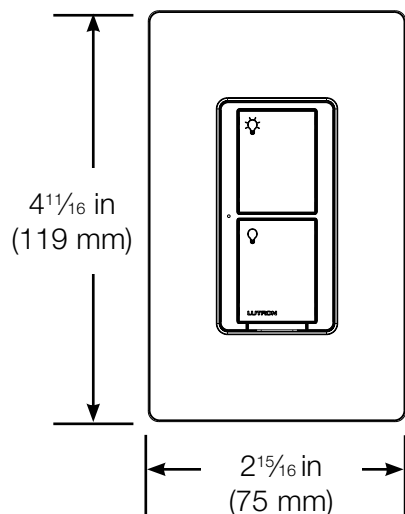> completely on Switch. After servicing load, push the FASS™ switch back in fully to restore power to the control.
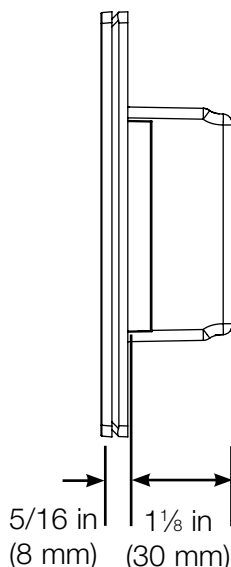
Mounting

Control
Mounting
Screws

Adapter
Mounting
Screws

Wallbox

Control

Wallplate / Adapter
purchased separately.

Job Name:	Model Numbers:
Job Number:	

Dimensions

Front View

Side View

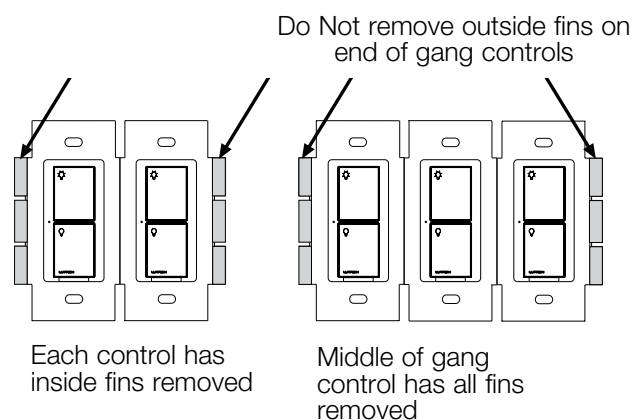

4¹¹⁄₁₆ in
(119 mm)

2¹⁵⁄₁₆ in
(75 mm)

5/16 in
(8 mm)

1⅛ in
(30 mm)

Ganging and Derating

When ganging with other controls in the same wallbox, derating is required. See Load Type and Capacity chart.
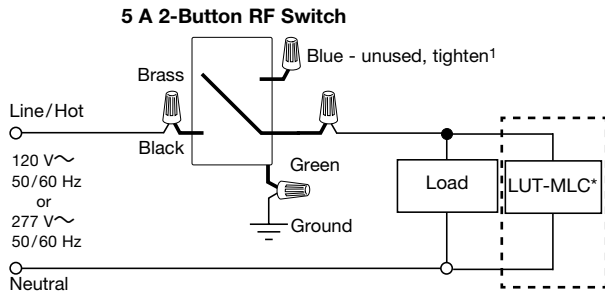
Do Not remove outside fins on end of gang controls

Each control has inside fins removed

Middle of gang control has all fins removed

Load Type and Capacity

Load Type	Minimum Load	Maximum Load		
		Not Ganged	**End of Gang**	**Middle of Gang**
CFL/LED	40 W (LUT-MLC)[1]	5 A	4 A	3 A
Fluorescent	40 W (LUT-MLC)[1]	5 A	4 A	3 A
Incandescent/ Halogen (120 V∼)	25 W	600 W	500 W	400 W
Incandescent/ Halogen (277 V∼)	25 W	1400 W	1100 W	800 W
ELV (120 V∼)	40 W (LUT-MLC)[1]	600 W	500 W	400 W
ELV (277 V∼)	40 W (LUT-MLC)[1]	1400 W	1100 W	800 W
MLV (120 V∼)	25 W	600 VA/ 450 W	500 VA/ 375 W	400 VA/ 300 W
MLV (277 V∼)	25 W	1400 VA/ 1000 W	1100 VA/ 800 W	800 VA/ 600 W
General Purpose Fan	0.4 A	3 A	3 A	3 A

[1] To ensure proper installation install LUT-MLC.

✸LUTRON. SPECIFICATION SUBMITTAL   Page

Job Name:	Model Numbers:
Job Number:	

Wiring Diagrams

Single Location Installation

5 A 2-Button RF Switch

Blue - unused, tighten[1]

Brass

Line/Hot
120 V~
50/60 Hz
or
277 V~
50/60 Hz

Black

Green

Ground

Load

LUT-MLC*
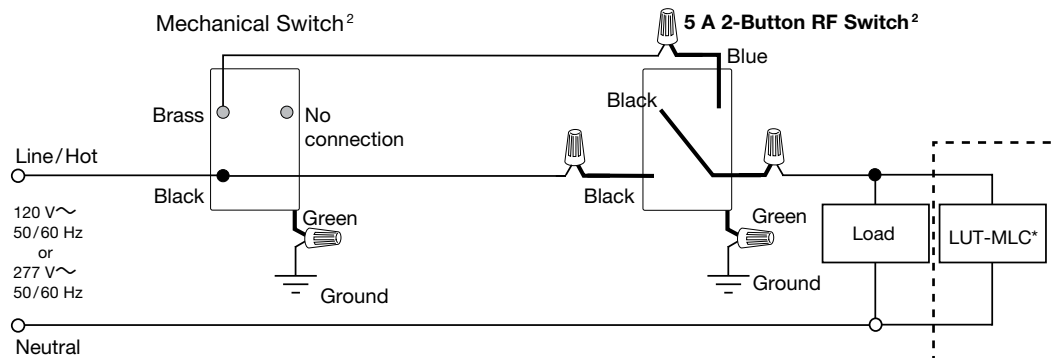
Neutral

* 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 J-box of the circuit. May also be installed in J box with switch if neutral is present and space permits.
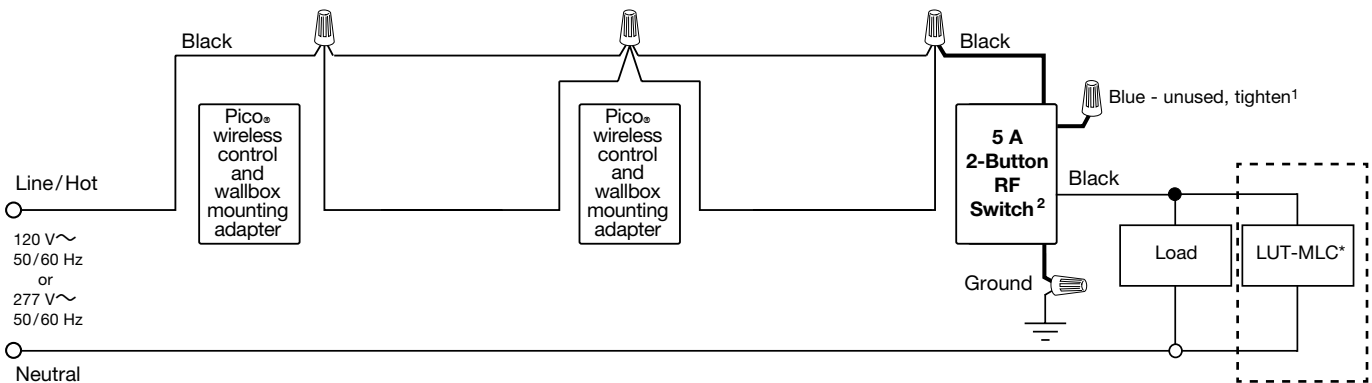
3-Way Installation
With Mechanical Switch

Mechanical Switch[2]

5 A 2-Button RF Switch[2]

Blue

Brass   No connection

Black

Line/Hot
120 V~
50/60 Hz
or
277 V~
50/60 Hz

Black

Black

Green

Green

Ground

Ground

Load

LUT-MLC*

Neutral

Multi-location Installation
With Pico® wireless controls (PJ2-2B-xx) and wallbox mounting adapters (PICO-WBX-ADAPT)

Black

Black

Blue - unused, tighten[1]

Line/Hot
120 V~
50/60 Hz
or
277 V~
50/60 Hz

Pico® wireless control and wallbox mounting adapter

Pico® wireless control and wallbox mounting adapter

5 A 2-Button RF Switch[2]

Black

Load

LUT-MLC*

Ground

Neutral

[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.

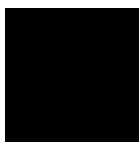[2] Location of RF switch and mechanical switch may be reversed.

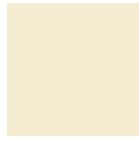| Job Name:	Model Numbers:
Job Number:	

Colors and Finishes

Gloss Finishes

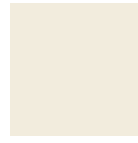| White	Black	Ivory	Light Almond
WH	BL	IV	LA

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

Job Name:	Model Numbers:
Job Number:	