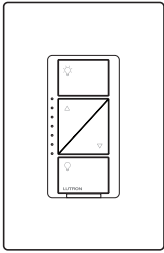
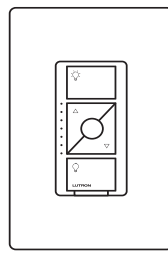


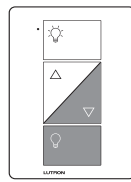
Advanced Installation Guide



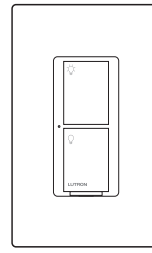
Dimmer & PRO dimmer
PD-6WCL/PD-10NXD



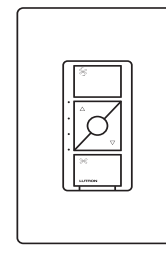
ELV+ Dimmer
PD-5NE



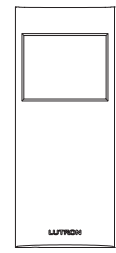
Plug-in lamp dimmer
PD-3PCL



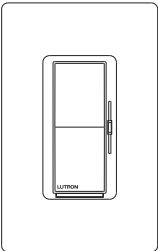
Switch
PD-5WS-DV/
PD-5ANS/PD-6ANS



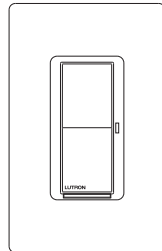
Fan Control
PD-FSQN



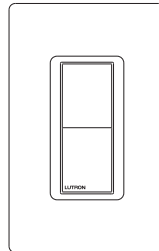
Motion Sensor
PD-OSENS/
PD-VSENS



Caséta Diva
Smart Dimmer
DVRF-6L



Caséta Claro
Smart Switch
DVRF-5NS



Caséta Claro Smart
Accessory Switch
DVRF-AS

Thank you for purchasing Caséta Wireless from Lutron. This document will guide you through several additional installation topics beyond those covered in the quick-start guide included with your product.

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Claro Smart Switch with a Claro Smart Accessory Switch (DVRF-5NS/DVRF-AS):	Page 54 - 57

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PRO Dimmer with Pico Remote Controls (PD-10NXD):	Page 63 - 67
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Neutral Switch with Pico Remote Controls (PD-5ANS/PD-6ANS):	Page 73 - 77
ELV+ Dimmer with Pico Remote Controls (PD-5NE):	Page 78 - 82
Fan Control with Pico Remote Controls (PD-FSQN):	Page 83 - 87
Diva Smart Dimmer with Pico Remote Controls (DVRF-6L)	Page 88 - 92
Claro Smart Switch with Pico Remote Controls (DVRF-5NS)	Page 93 - 97

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(continued on next page)

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- [On a PRO Dimmer \(PD-10NXD\):](#) Page 110
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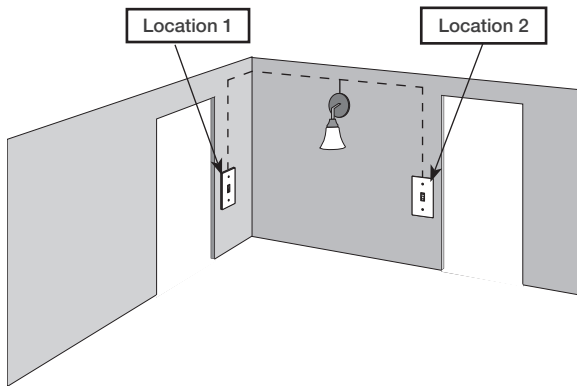
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1 Identify existing wiring



Two switches control the lights (3-way installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your dimmer
- If three or more switches control the lights (multi-location installation) See [page 58](#) for details

2 What you need for a 3-way installation



Dimmer PD-6WCL



Claro wallplate CW-1

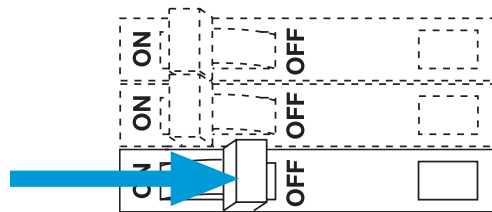


Pico remote control with wall-mounting kit PJ2-WALL

3 Choose a location for your Caséta Wireless dimmer

Choose which location you want the Caséta Wireless dimmer installed in. This will be Location 1.

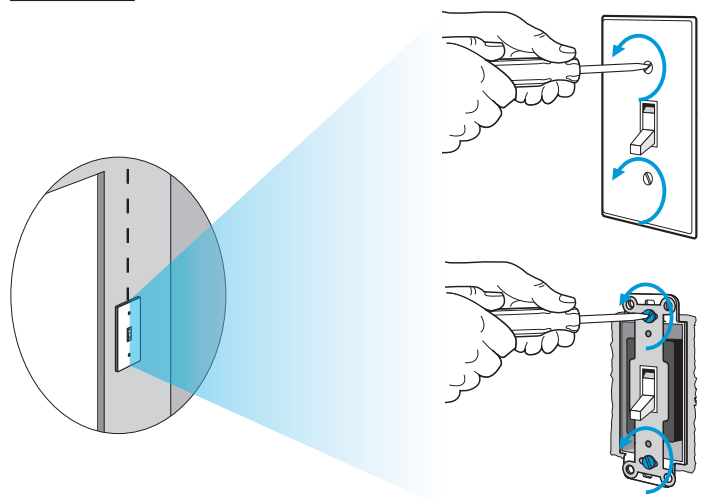
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

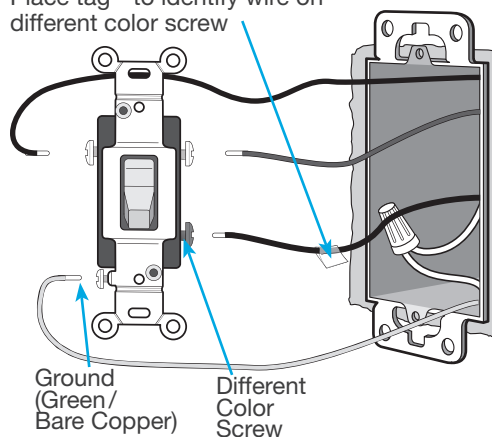
Location 1



6 Tag and disconnect wires from the existing switch

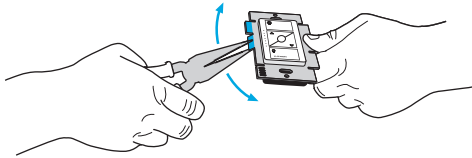
Location 1

Place tag - to identify wire on different color screw

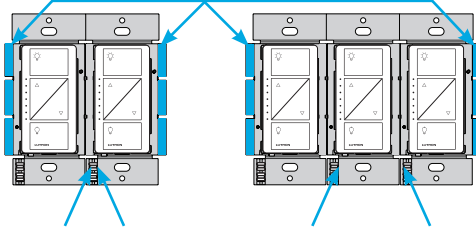


7 Remove side sections (if necessary)

When installing more than one Caséta Wireless dimmer in the same wallbox, it is necessary to remove inner side sections prior to wiring. See image and chart below for more information.



Do not remove outside side sections on dimmers at the end of gang.



Each dimmer has inside side sections removed.

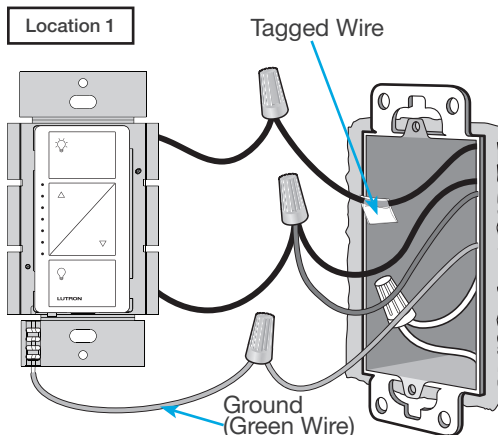
Dimmer in the middle has all side sections removed.

Important note:

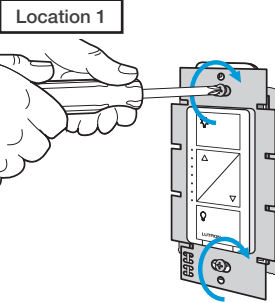
Removing side sections reduces the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

Total Dimmable LED Wattage	Incandescent/Halogen Total Wattage		
	A	B	C
0 W	+ 600 W	500 W	400 W
1 W – 25 W	+ 500 W	400 W	300 W
26 W – 50 W	+ 400 W	300 W	200 W
51 W – 75 W	+ 300 W	200 W	100 W
76 W – 100 W	+ 200 W	100 W	50 W
101 W – 125 W	+ 100 W	50 W	0 W
126 W – 150 W	+ 0 W	0 W	0 W

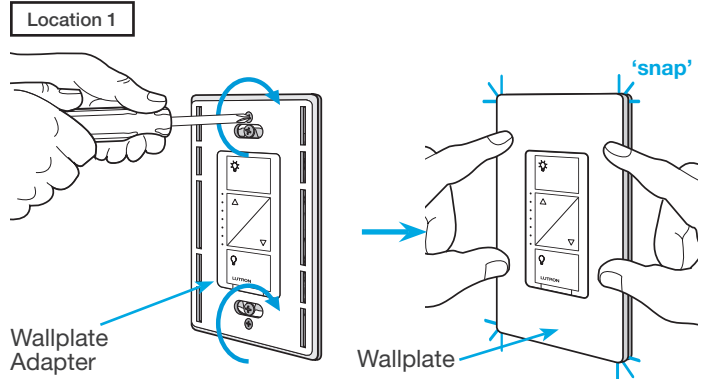
8 Connect the Caséta Wireless dimmer



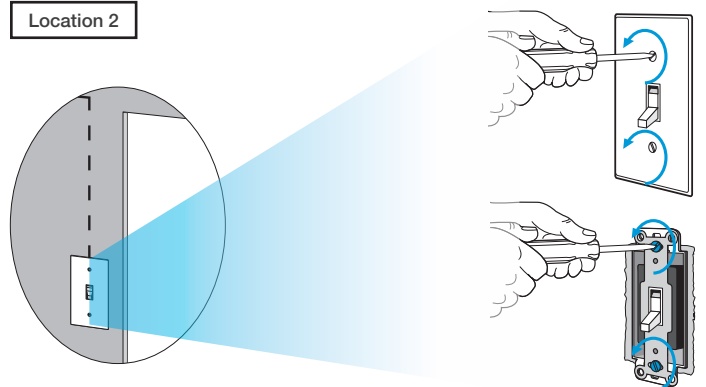
9 Mount the Caséta Wireless dimmer



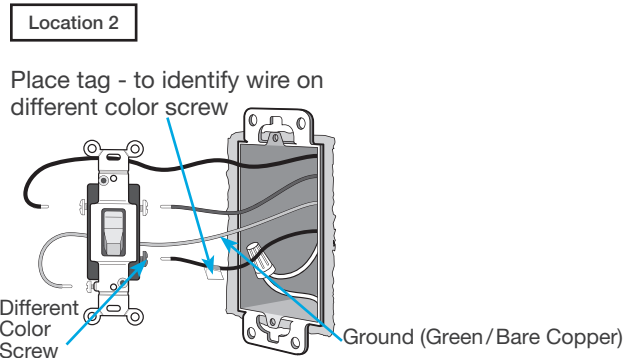
10 Attach the wallplate



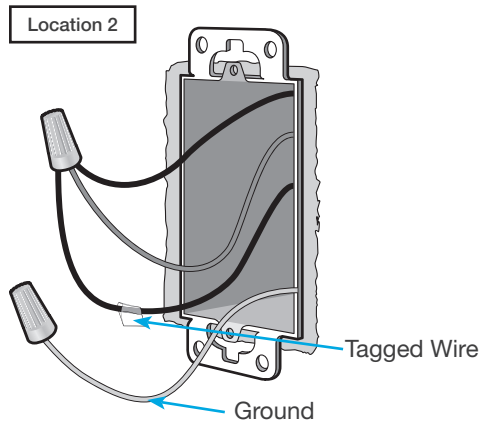
11 Remove existing switch from wall at Location 2



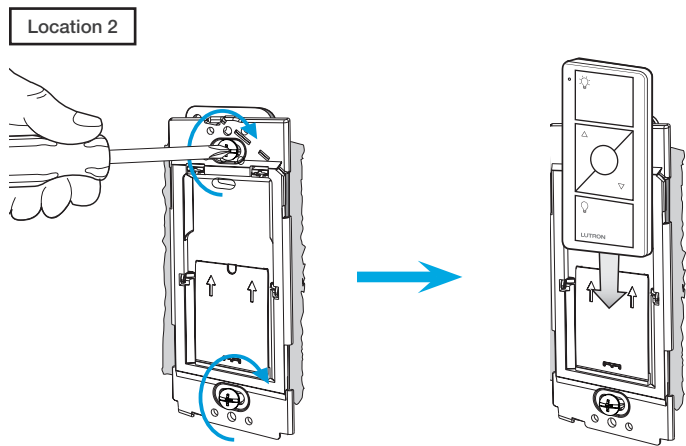
12 Tag and disconnect wires from the switch



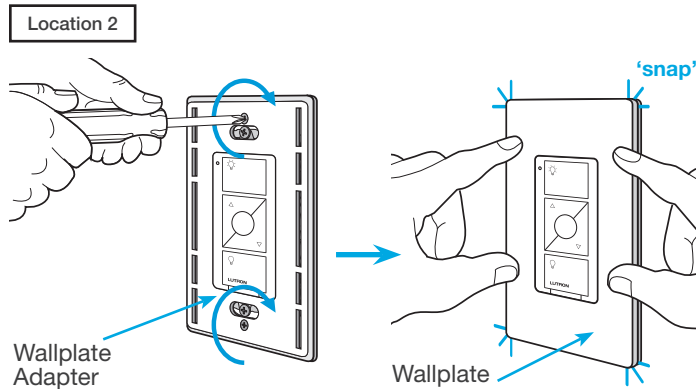
13 Connect the wires



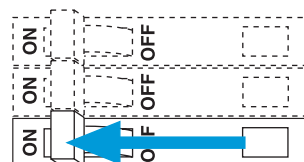
14 Attach the wallplate bracket and Pico remote control



15 Attach the wallplate

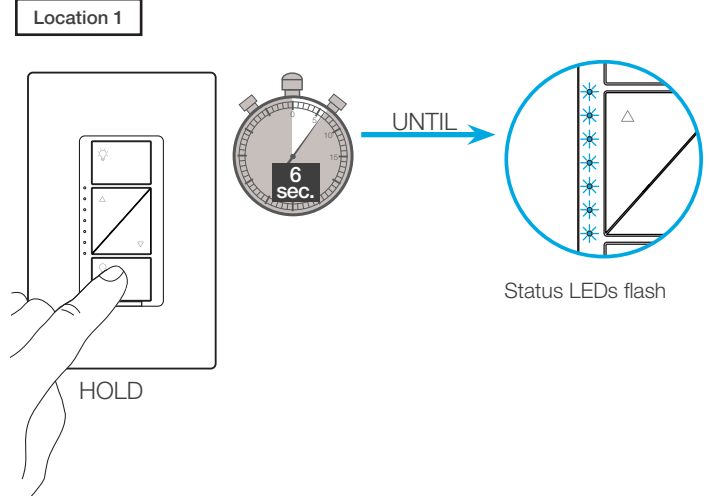


16 Turn power on at circuit breaker

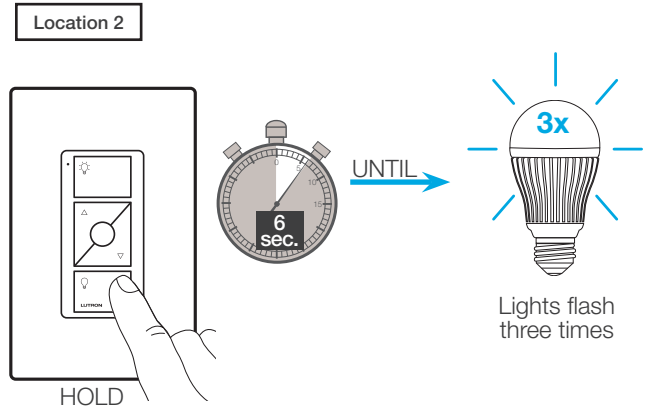


Pairing the dimmer and Pico remote control

17 Press and hold "Off" button on dimmer



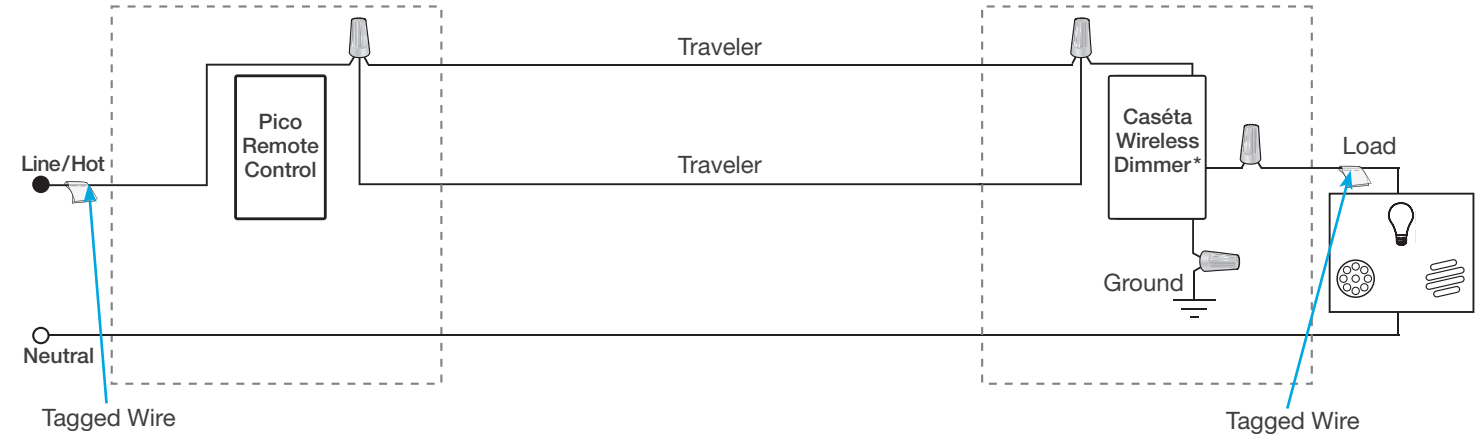
18 Press and hold "Off" button on remote control



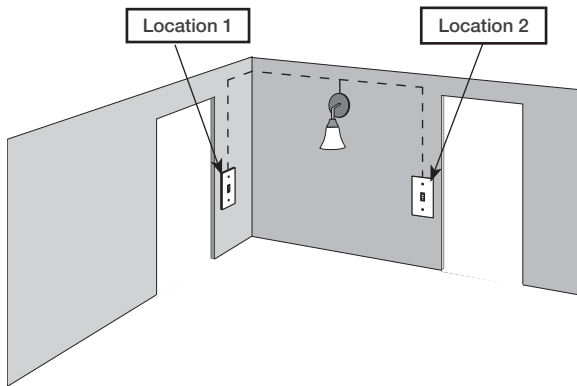
19 Pair additional remote controls

Repeat steps 17 and 18 to pair additional remote controls.

Schematic Diagram



1 Identify existing wiring



Two switches control the lights (3-way installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If three or more switches control the lights (multi-location installation) See [page 68](#) for details

2 What you need for a 3-way installation



Switch
PD-5WS-DV

+



Pico remote control
PJ2-2B

+



Wallplate bracket
PICO-WBX-ADAPT

+

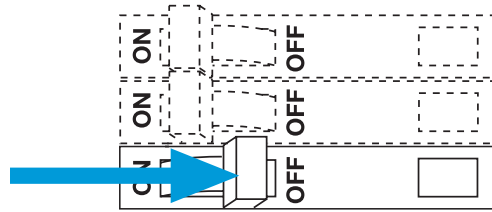


Two Claro wallplates
CW-1

3 Choose a location for your Caséta Wireless switch

Choose which location you want the Caséta Wireless switch installed in. This will be Location 1.

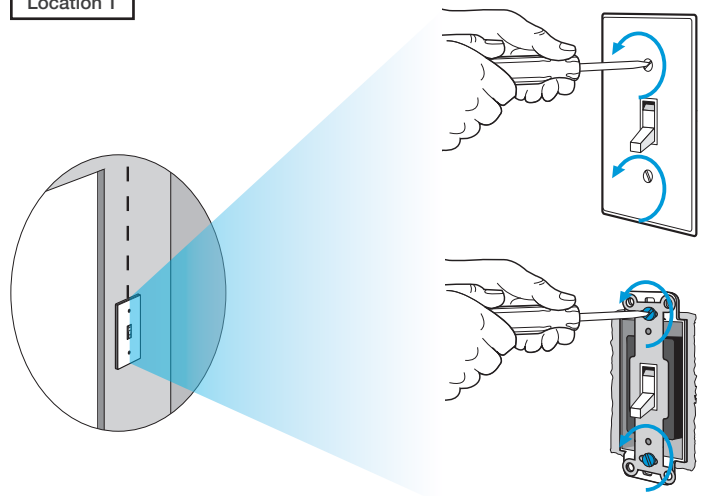
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

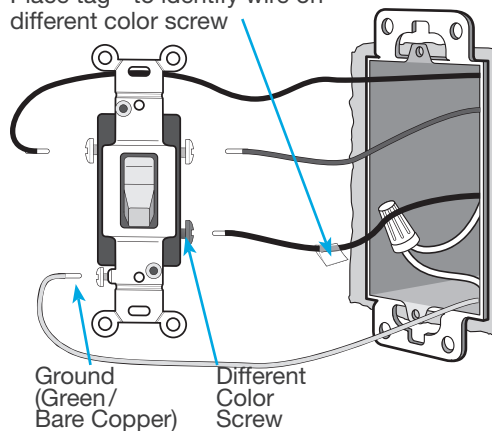
Location 1



6 Tag and disconnect wires from the existing switch

Location 1

Place tag - to identify wire on different color screw



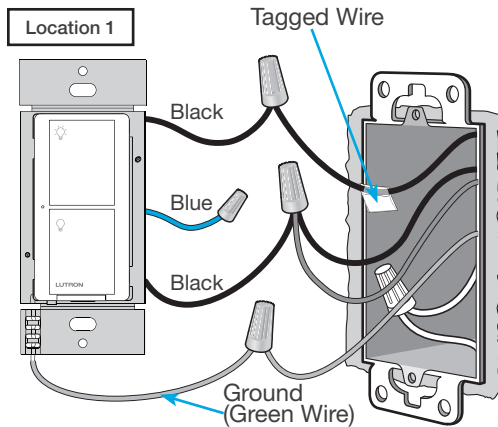
7 Ganging and derating

PD-5WS-DV (120 V~)	A	B	C
LED	5 A	4 A	3 A
Halogen / incandescent	600 W	450 W	350 W
Electronic Low-Voltage	600 W	450 W	350 W
Magnetic Low-Voltage ¹	600 VA / 475 W	450 VA / 350 W	350 VA / 275 W
Fluorescent ²	5 A	4 A	3 A
General Purpose Fan	3 A	3 A	3 A
PD-5WS-DV (277 V~)	A	B	C
LED	5 A	4 A	3 A
Halogen / incandescent	1350 W	1100 W	800 W
Electronic Low-Voltage	1350 W	1100 W	800 W
Magnetic Low-Voltage ¹	1350 VA / 1075 W	1100 VA / 875 W	800 VA / 625 W
Fluorescent ²	5 A	4 A	3 A

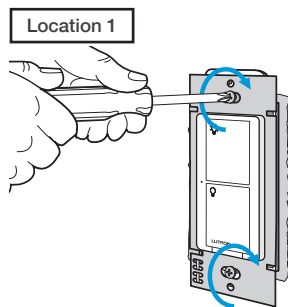
¹ The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the switch.

² The switch is UL_® Listed for use with all magnetic and electronic fluorescent ballasts.

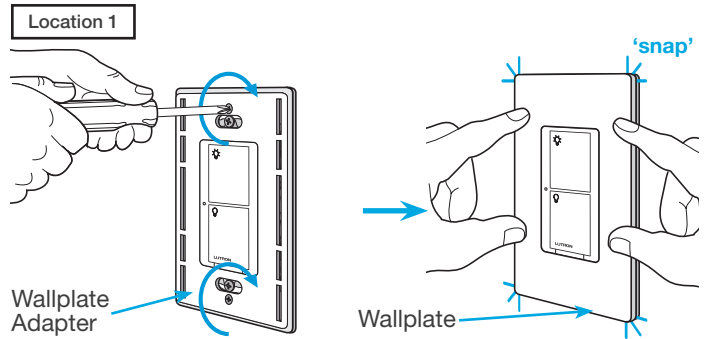
8 Connect the new Caséta Wireless switch



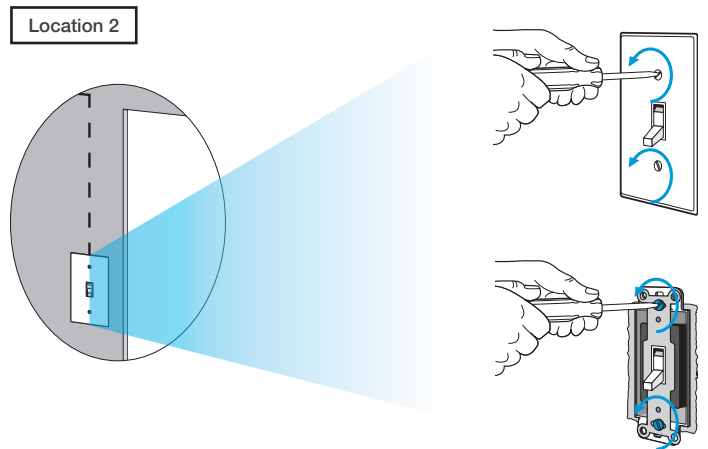
9 Mount the Caséta Wireless switch



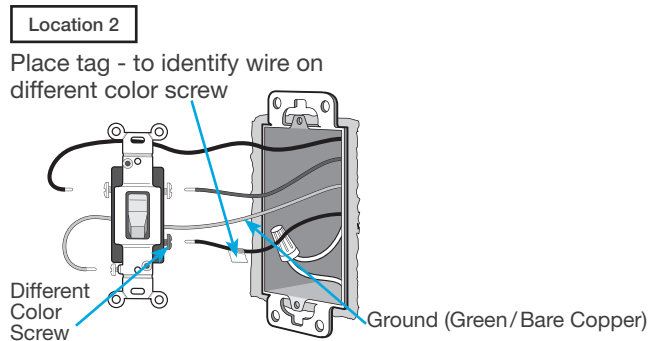
10 Attach the wallplate



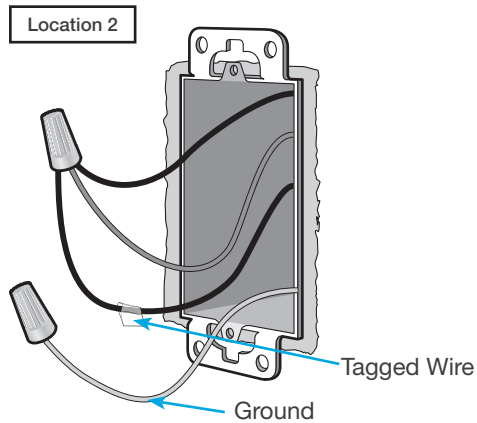
11 Remove existing switch from wall at Location 2



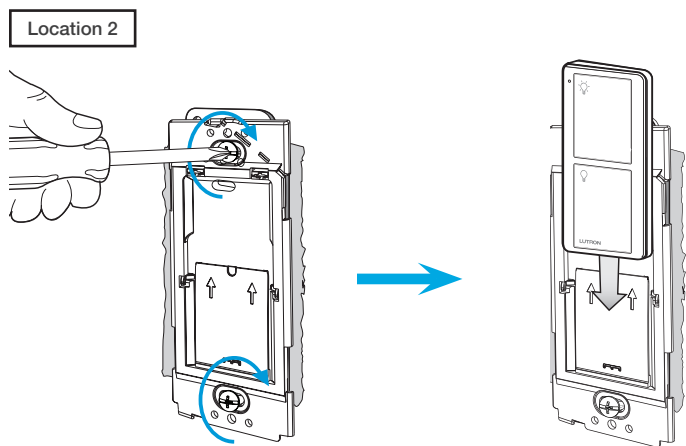
12 Tag and disconnect wires from the existing switch



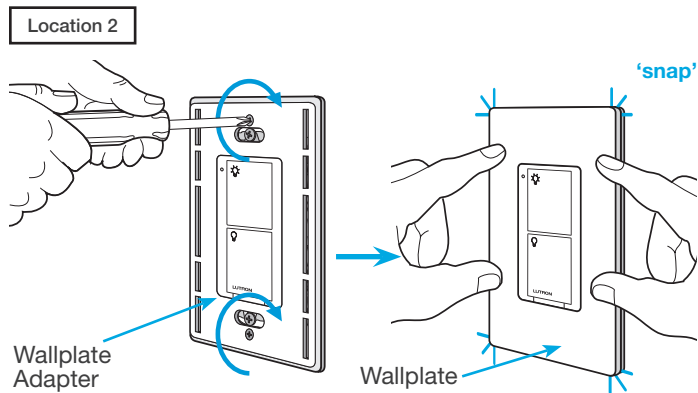
13 Connect the wires



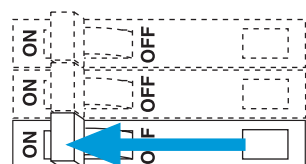
14 Attach the wallplate bracket and Pico remote control



15 Attach the wallplate

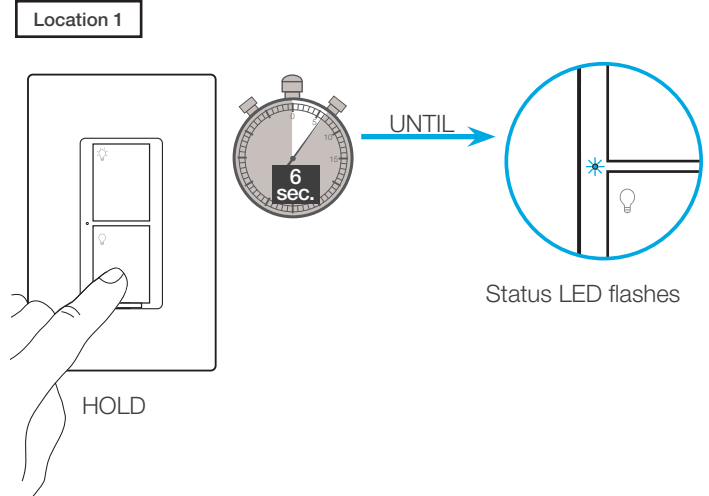


16 Turn power on at circuit breaker

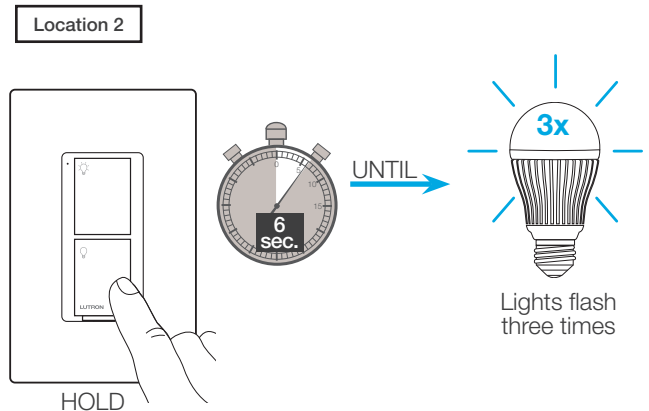


Pairing the switch and Pico remote control

17 Press and hold "Off" button on switch



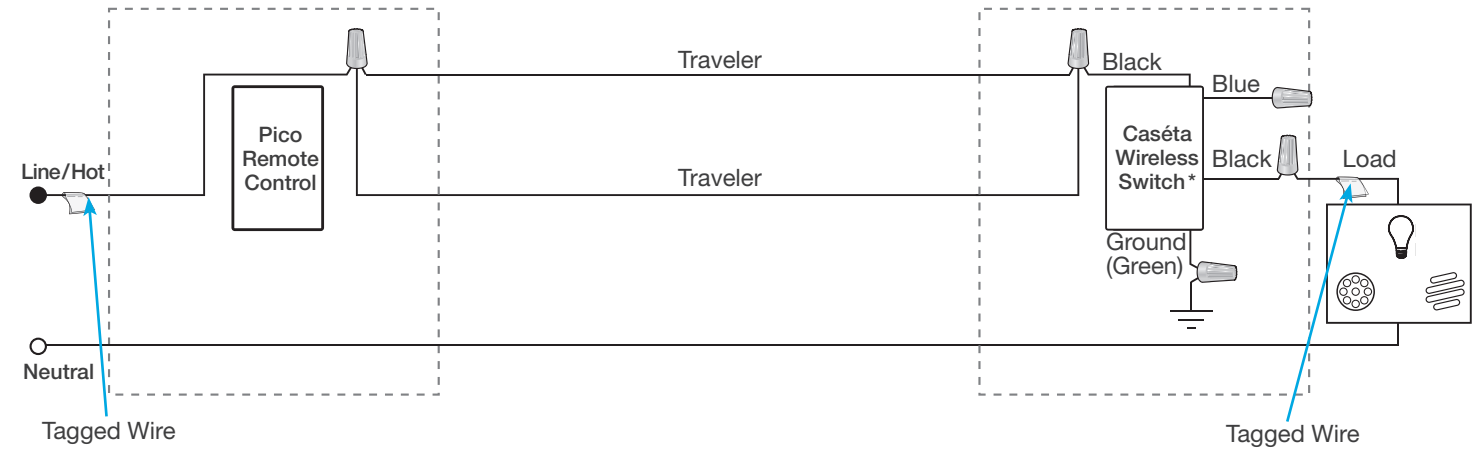
18 Press and hold "Off" button on remote control



19 Pair additional remote controls

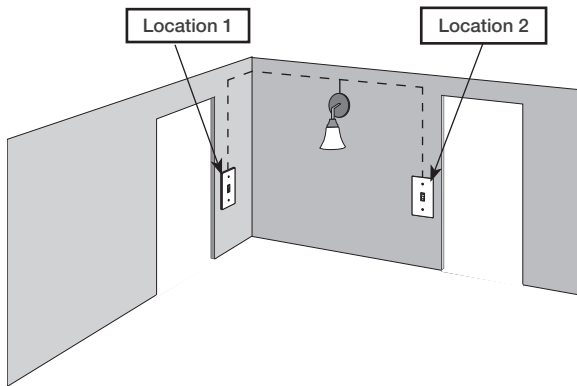
Repeat steps 17 and 18 to pair additional remote controls.

Schematic Diagram



* Switch may be installed in either location.

1 Identify existing wiring

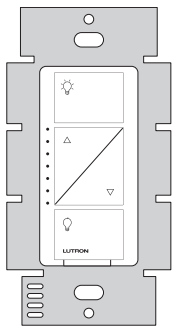


Two switches control the lights (3-way installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your dimmer
- If three or more switches control the lights (multi-location installation) See [page 63](#) for details

2 What you need for a 3-way installation



PRO dimmer
PD-10NXD

+



Claro wallplate
CW-1

+

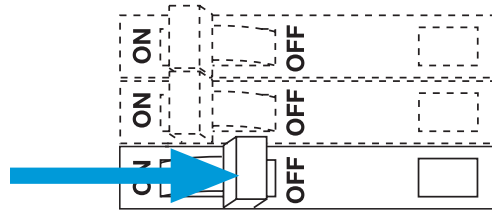


Pico remote control
with wall-mounting kit
PJ2-WALL

3 Choose a location for your Caséta Wireless dimmer

Choose which location you want the Caséta Wireless dimmer installed in. This will be Location 1.

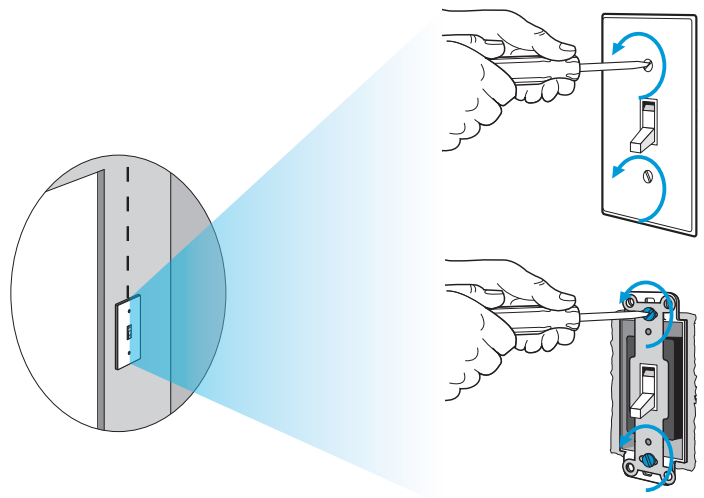
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

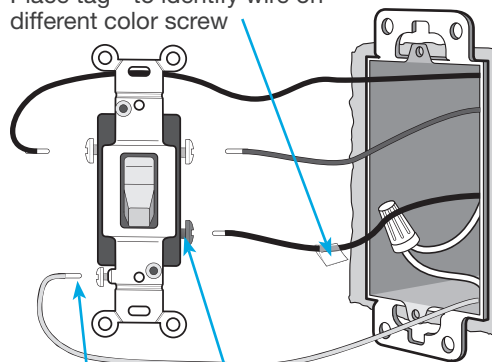
Location 1



6 Tag and disconnect wires from the existing switch

Location 1

Place tag - to identify wire on different color screw

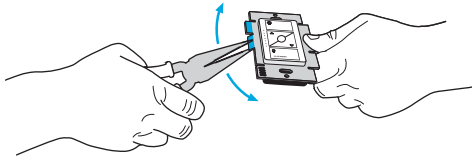


Ground
(Green/
Bare Copper)

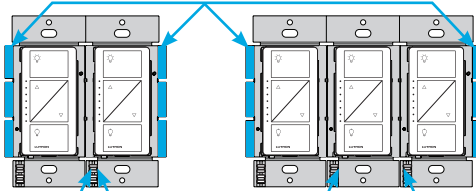
Different
Color
Screw

7 Remove side sections (if necessary)

When installing more than one Caséta Wireless dimmer in the same wallbox, it is necessary to remove inner side sections prior to wiring. See image and chart below for more information.



Do not remove outside side sections on dimmers at the end of gang.



Each dimmer has inside side sections removed.

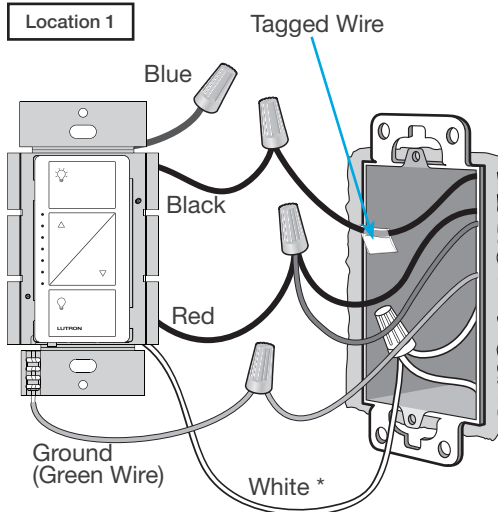
Dimmer in the middle has all side sections removed.

Important note:

Removing side sections reduces the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

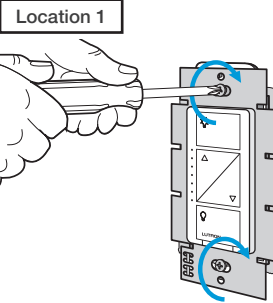
Total Dimmable LED Wattage	Incandescent/Halogen Total Wattage		
	A	B	C
0 W	+ 1000 W	800 W	600 W
1 W – 25 W	+ 900 W	750 W	550 W
26 W – 50 W	+ 800 W	700 W	500 W
51 W – 75 W	+ 700 W	600 W	450 W
76 W – 100 W	+ 600 W	500 W	400 W
101 W – 125 W	+ 500 W	400 W	300 W
126 W – 150 W	+ 400 W	300 W	200 W
151 W – 175 W	+ 300 W	200 W	100 W
176 W – 200 W	+ 200 W	100 W	50 W
201 W – 225 W	+ 100 W	50 W	0 W
226 W – 250 W	+ 0 W	0 W	0 W

8 Connect the Caséta Wireless dimmer

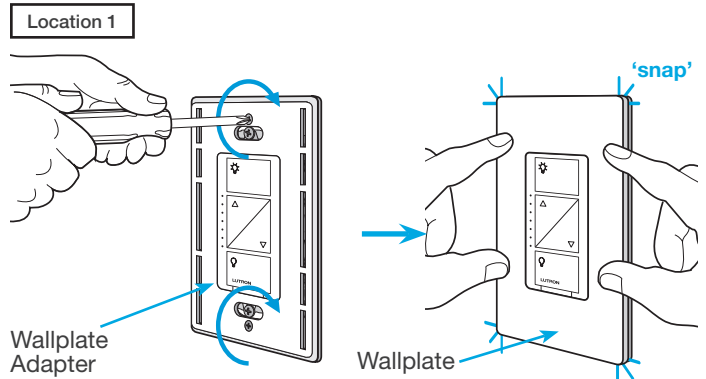


* If available, connect the neutral wire from the wallbox to the white wire on the dimmer. If neutral is not available, cap the white wire with a wire connector. *Neutral required for: MLV loads, LED drivers, PHPM-PA, PHPM-3F, GRX-TVI.*

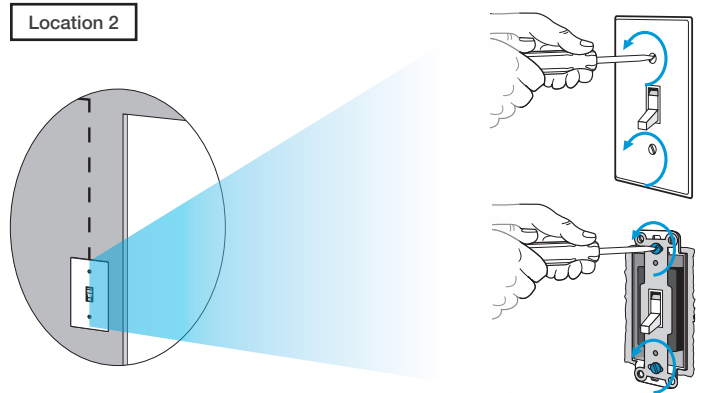
9 Mount the Caséta Wireless dimmer



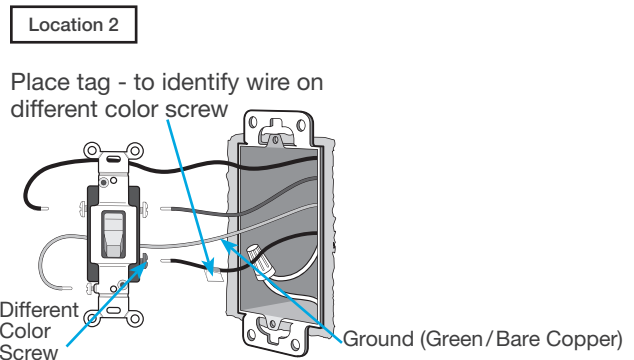
10 Attach the wallplate



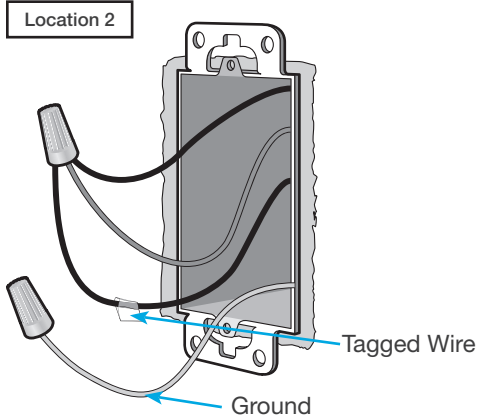
11 Remove existing switch from wall at Location 2



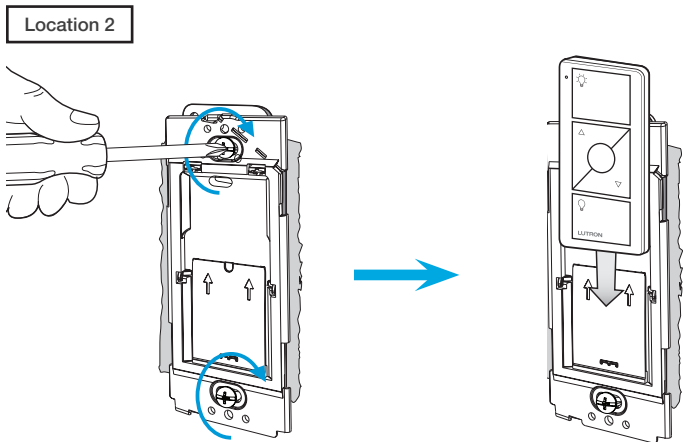
12 Tag and disconnect wires from the switch



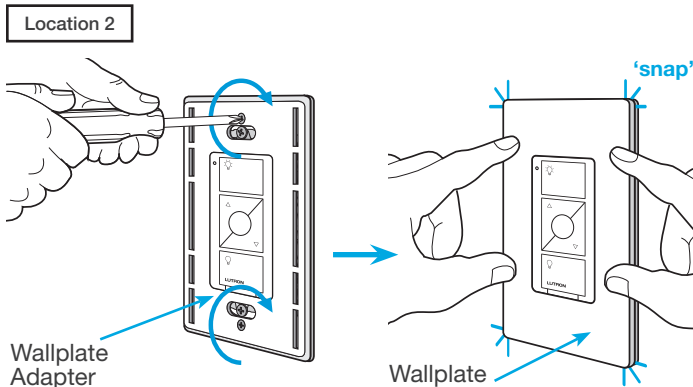
13 Connect the wires



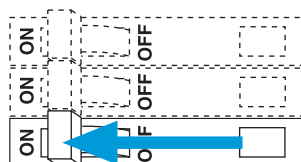
14 Attach the wallplate bracket and Pico remote control



15 Attach the wallplate

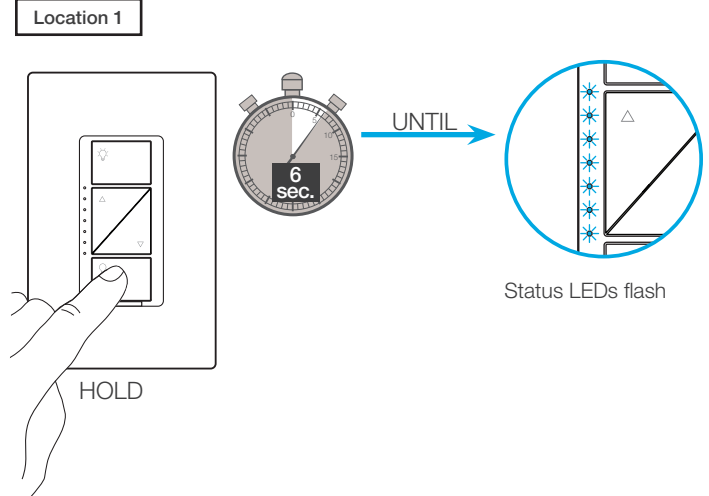


16 Turn power on at circuit breaker

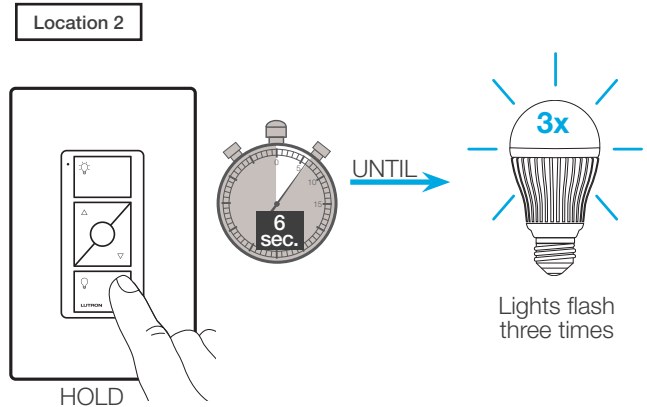


Pairing the dimmer and Pico remote control

17 Press and hold "Off" button on dimmer



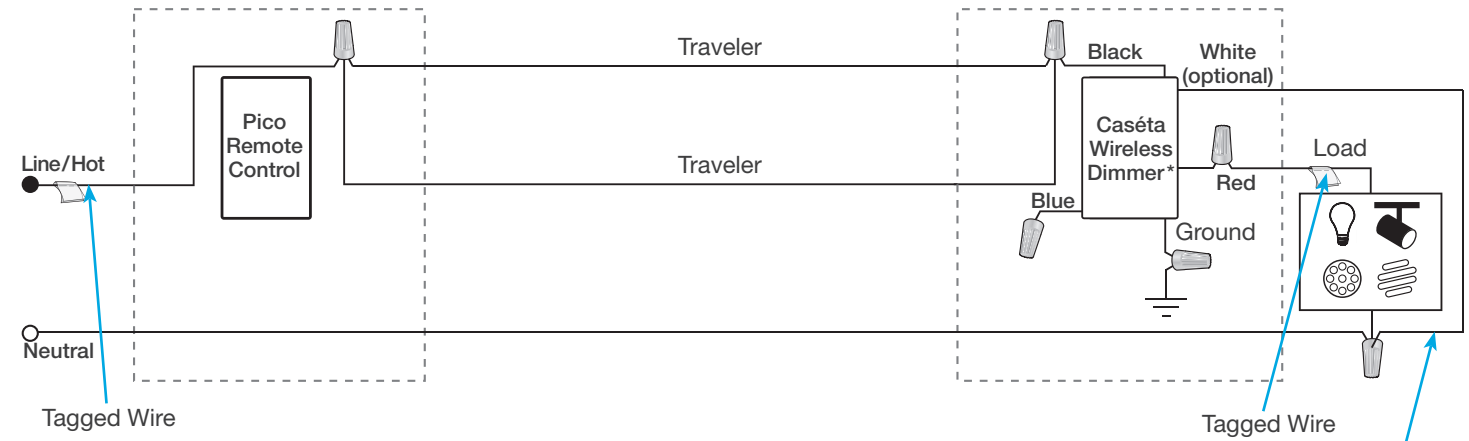
18 Press and hold "Off" button on remote control



19 Pair additional remote controls

Repeat steps 17 and 18 to pair additional remote controls.

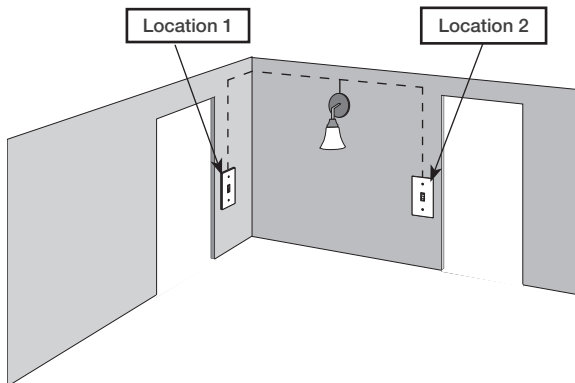
Schematic Diagram



* Dimmer may be installed in either location.

If available, connect the neutral wire from the wallbox to the white wire on the dimmer. If neutral is not available, cap the white wire with a wire connector.
Neutral required for: MLV loads, LED drivers, PHPM-PA, PHPM-3F, GRX-TVI.

1 Identify existing wiring



Two switches control the lights (3-way installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If three or more switches control the lights (multi-location installation) See [page 73](#) for details

2 What you need for a 3-way installation



Switch
PD-5ANS/PD-6ANS

+



Pico remote control
PJ2-2B

+



Wallplate bracket
PICO-WBX-ADAPT

+

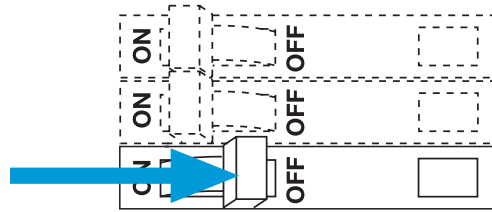


Two Claro wallplates
CW-1

3 Choose a location for your Caséta Wireless switch

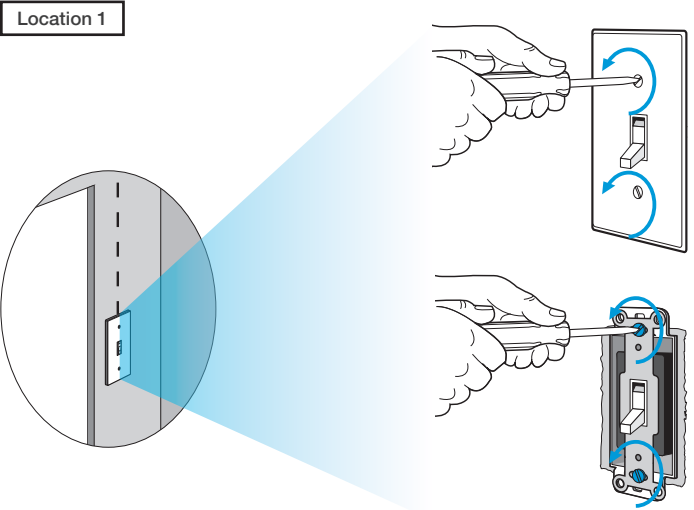
Choose which location you want the Caséta Wireless switch installed in. This will be Location 1.

4 Turn power off at circuit breaker

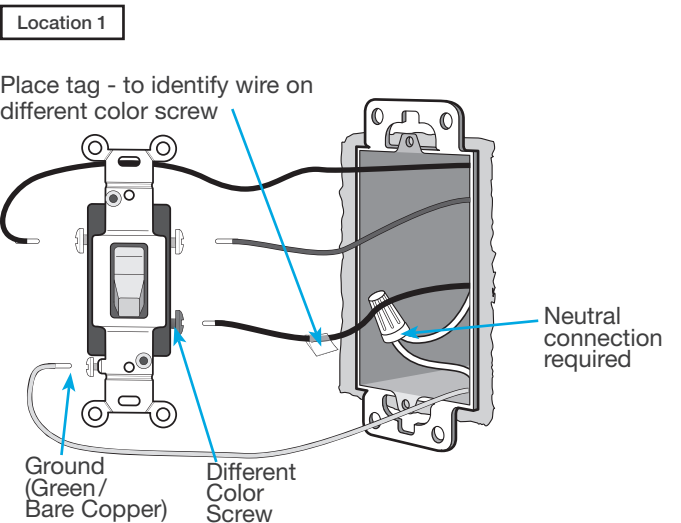


WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

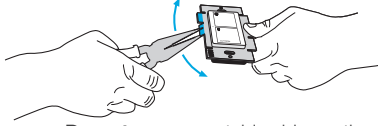


6 Tag and disconnect wires from the existing switch

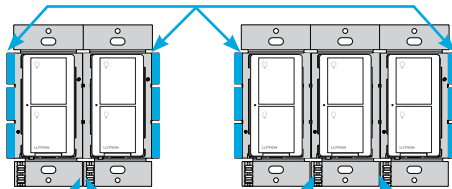


7 Remove side sections (if necessary)

When installing more than one Caséta Wireless switch in the same wallbox, it is necessary to remove inner side sections prior to wiring. See image and chart below for more information.



Do not remove outside side sections on switches at the end of gang.



Each switch has inside side sections removed.

Switch in the middle has all side sections removed.

Important note:

Removing side sections reduces the switch's maximum wattage rating. See the chart below for maximum wattage information.

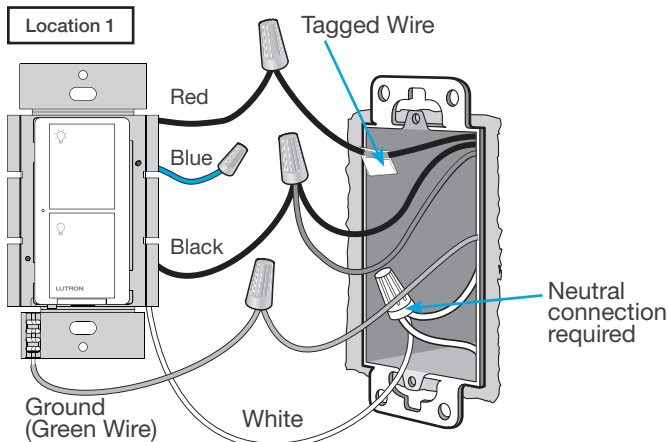
	A	B	C
PD-5ANS/PD-6ANS (120 V~)¹	A	B	C
LED	6 A	6 A	5 A
Halogen / incandescent	720 W	720 W	600 W
Electronic Low-Voltage	720 VA	720 VA	600 VA
Magnetic Low-Voltage ²	720 VA	720 VA	600 VA
Fluorescent ³	6 A	6 A	5 A
General Purpose Fan	3.6 A	3.6 A	3.6 A

¹ Neutral required.

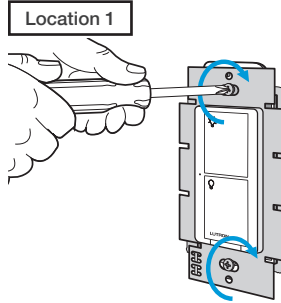
² The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the switch.

³ The switch is UL[®] Listed for use with all magnetic and electronic fluorescent ballasts.

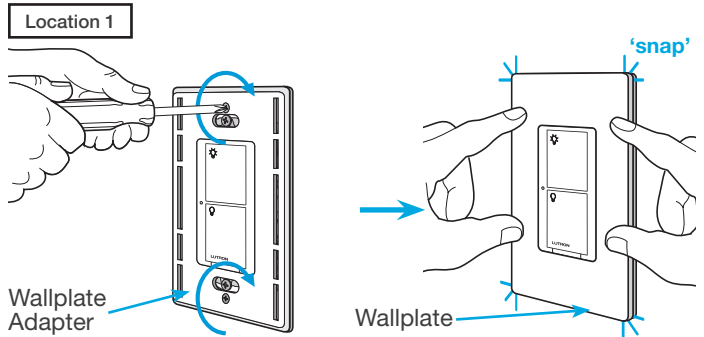
8 Connect the new Caséta Wireless neutral switch



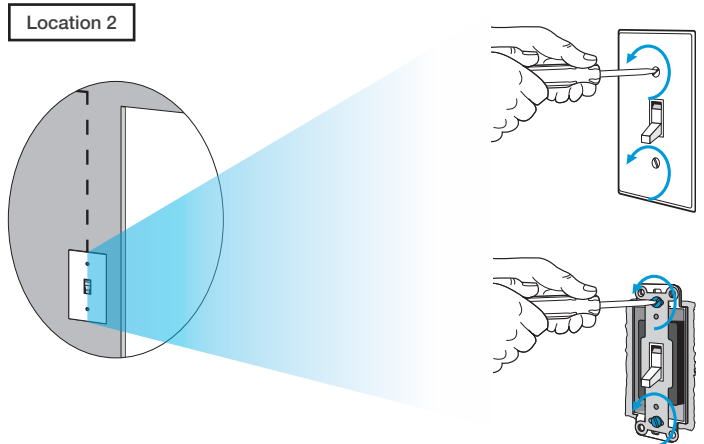
9 Mount the Caséta Wireless neutral switch



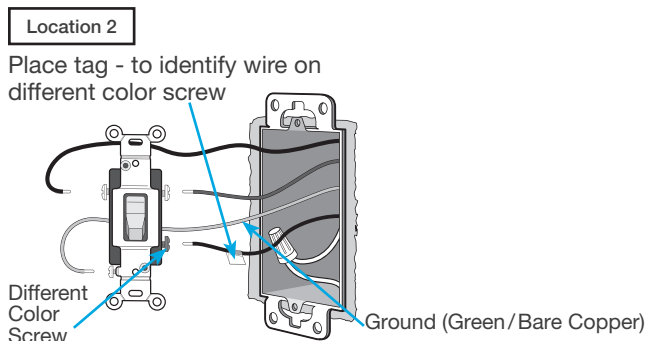
10 Attach the wallplate



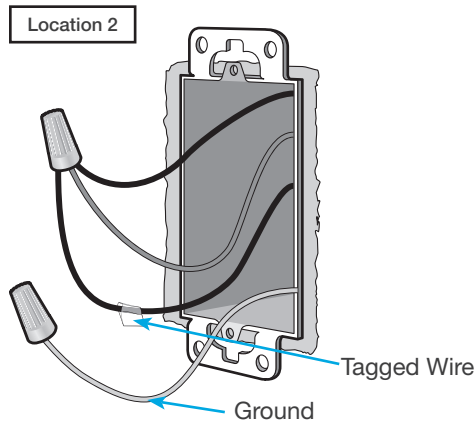
11 Remove existing switch from wall at Location 2



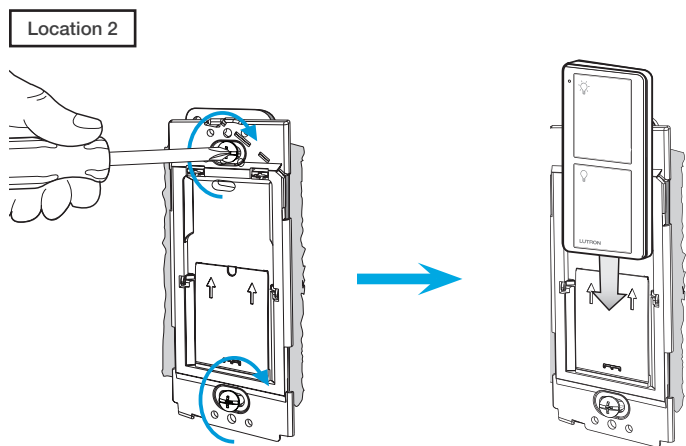
12 Tag and disconnect wires from the existing switch



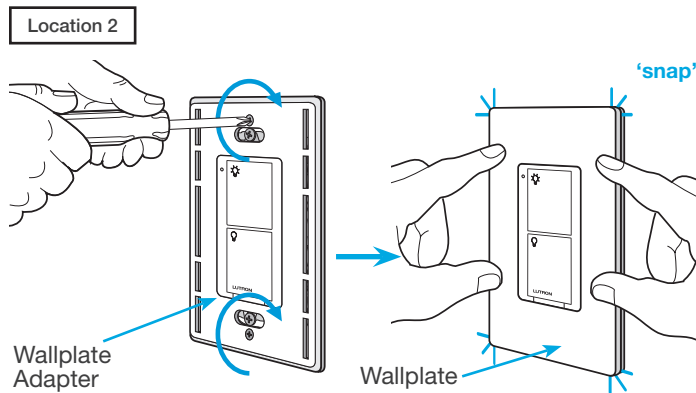
13 Connect the wires



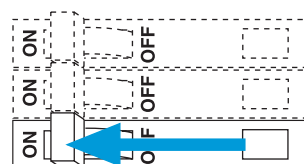
14 Attach the wallplate bracket and Pico remote control



15 Attach the wallplate

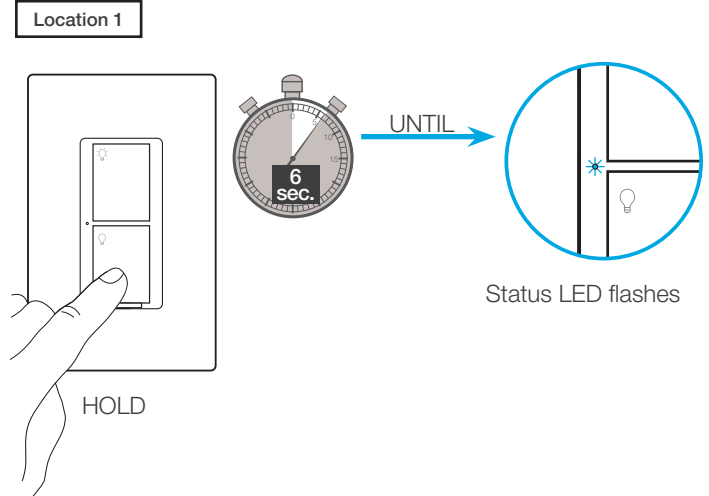


16 Turn power on at circuit breaker

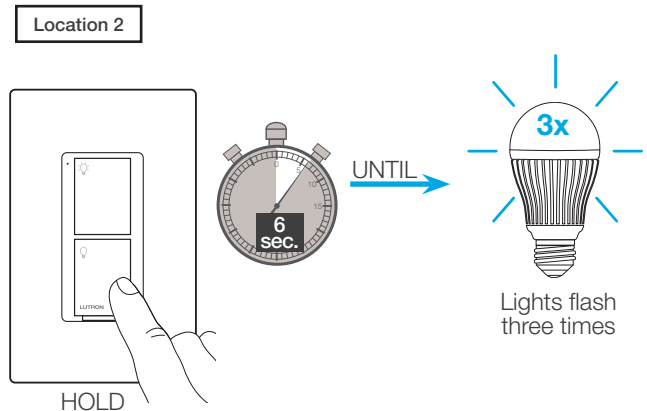


Pairing the switch and Pico remote control

17 Press and hold "Off" button on switch



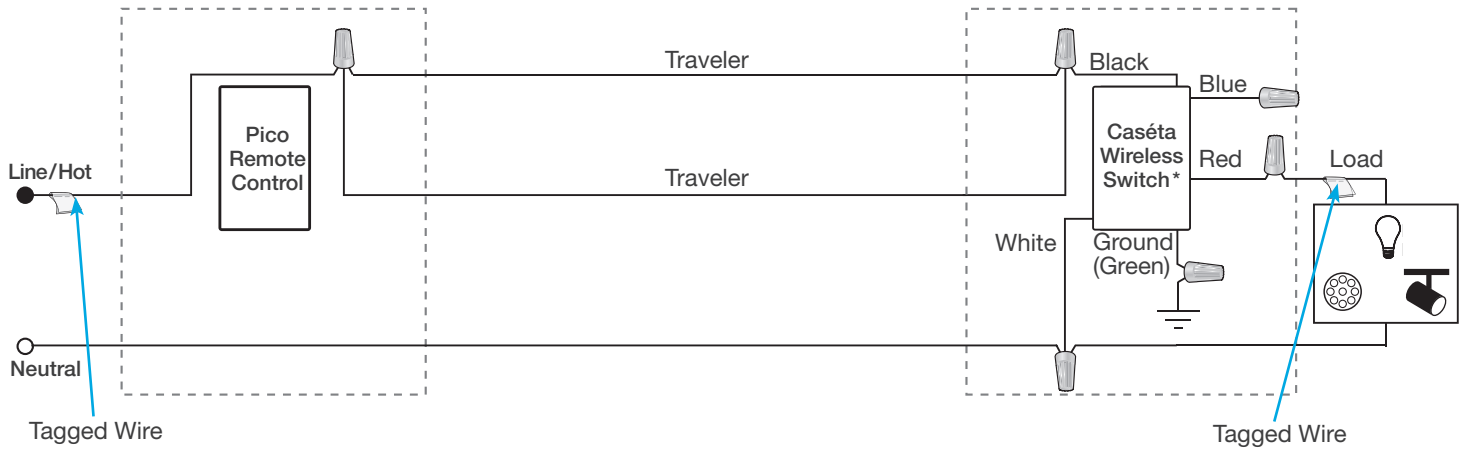
18 Press and hold "Off" button on remote control



19 Pair additional remote controls

Repeat steps 17 and 18 to pair additional remote controls.

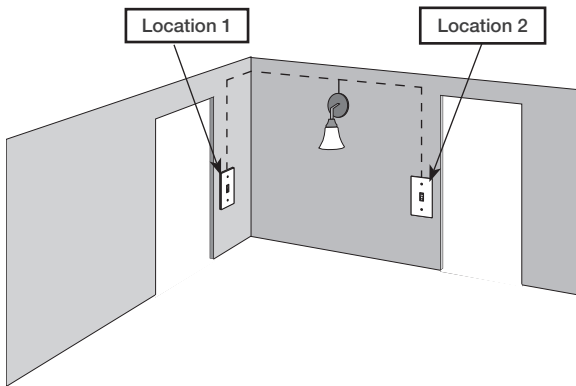
Schematic Diagram



* Switch may be installed in either location.

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

1 Identify existing wiring



Two switches control the lights (3-way installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your dimmer
- If three or more switches control the lights (multi-location installation) See [page 78](#) for details

2 What you need for a 3-way installation



ELV+ dimmer
PD-5NE

Claro wallplate
CW-1

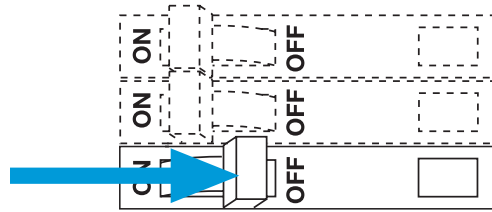


Pico remote control
with wall-mounting kit
PJ2-WALL

3 Choose a location for your Caséta Wireless dimmer

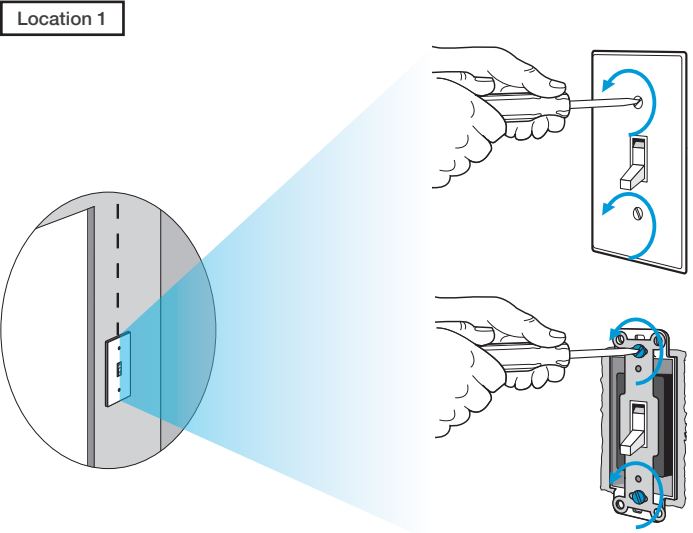
Choose which location you want the Caséta Wireless dimmer installed in. This will be Location 1.

4 Turn power off at circuit breaker

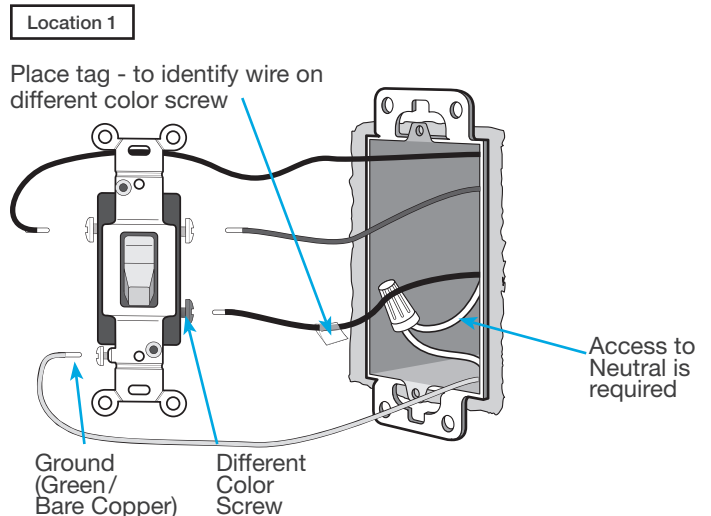


WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

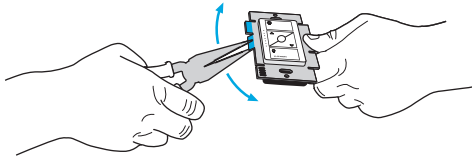


6 Tag and disconnect wires from the existing switch

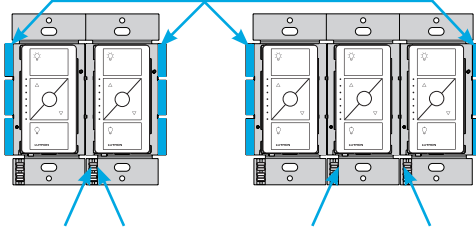


7 Remove side sections (if necessary)

When installing more than one Caséta Wireless dimmer in the same wallbox, it is necessary to remove inner side sections prior to wiring. See image and chart below for more information.



Do not remove outside side sections on dimmers at the end of gang.



Each dimmer has inside side sections removed.

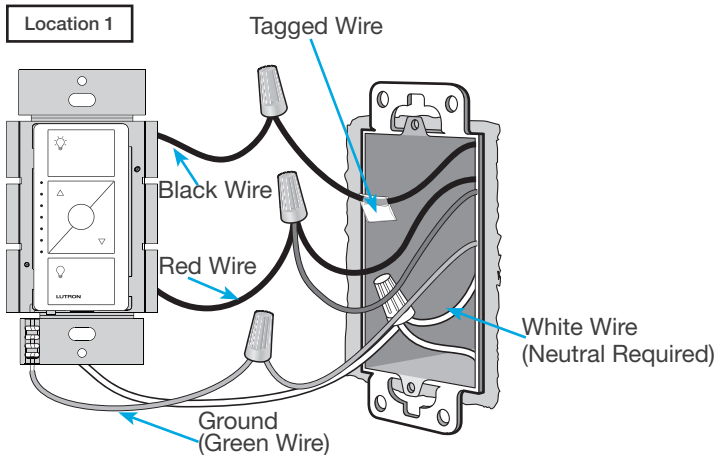
Dimmer in the middle has all side sections removed.

Important note:

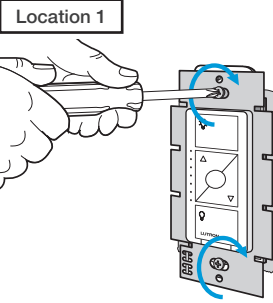
Removing side sections reduces the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

PD-5NE (120 V~)¹	Incandescent/Halogen Total Wattage		
	A	B	C
LED	250 W	250 W	250 W
Halogen / Incandescent	500 W	400 W	300 W
Electronics Low-Voltage	500 W	400 W	300 W
Magnetic Low Voltage	400 VA	400 VA	400 VA

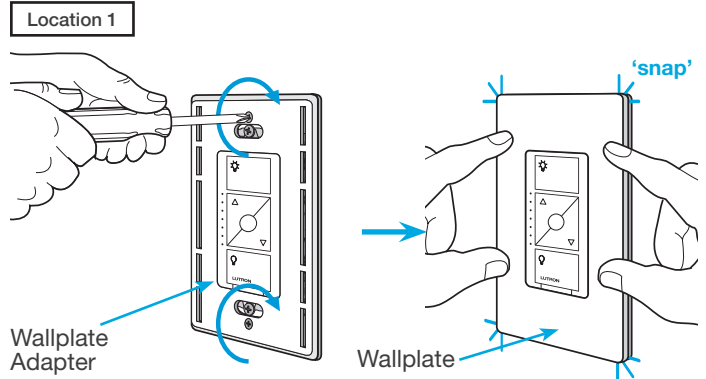
8 Connect the Caséta Wireless dimmer



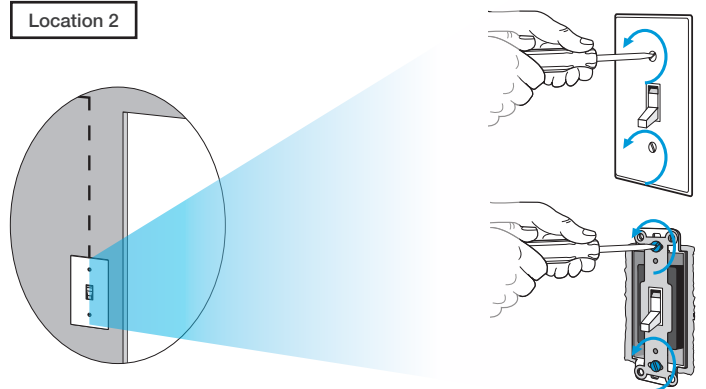
9 Mount the Caséta Wireless dimmer



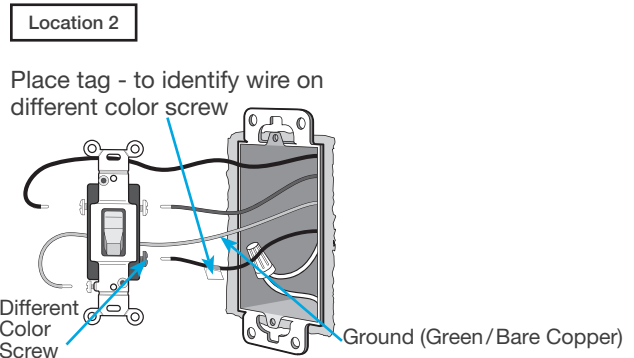
10 Attach the wallplate



11 Remove existing switch from wall at Location 2

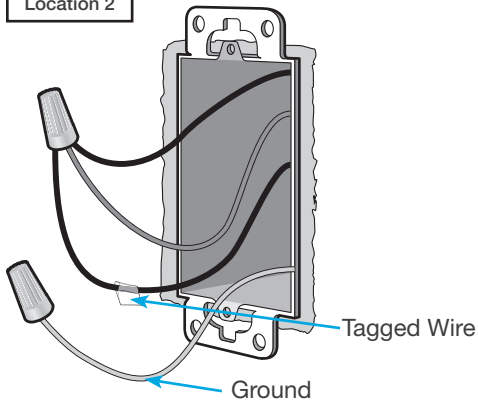


12 Tag and disconnect wires from the switch



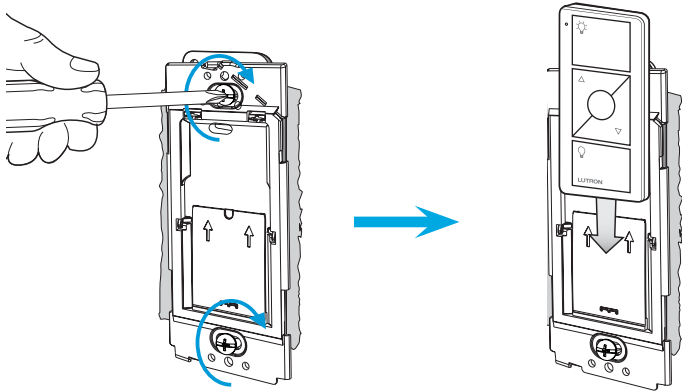
13 Connect the wires

Location 2



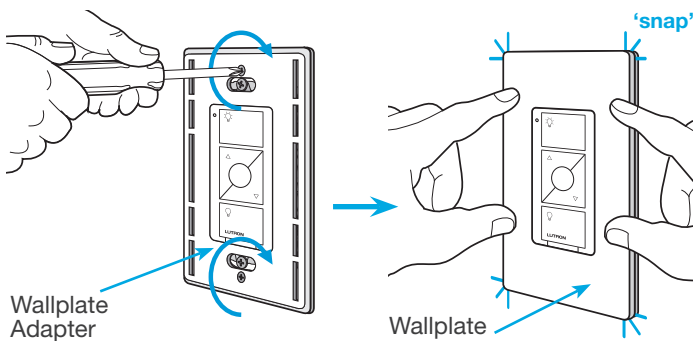
14 Attach the wallplate bracket and Pico remote control

Location 2

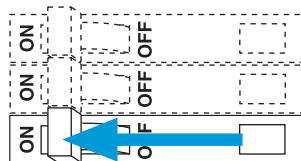


15 Attach the wallplate

Location 2



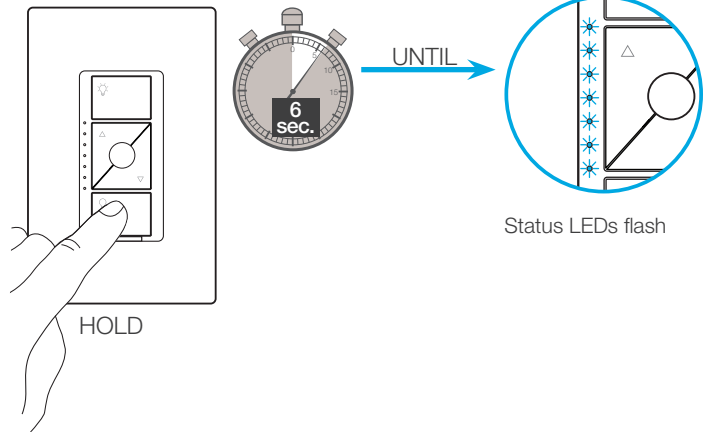
16 Turn power on at circuit breaker



Pairing the dimmer and Pico remote control

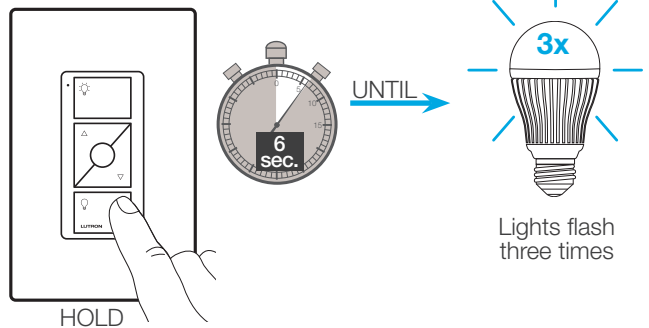
17 Press and hold "Off" button on dimmer

Location 1



18 Press and hold "Off" button on remote control

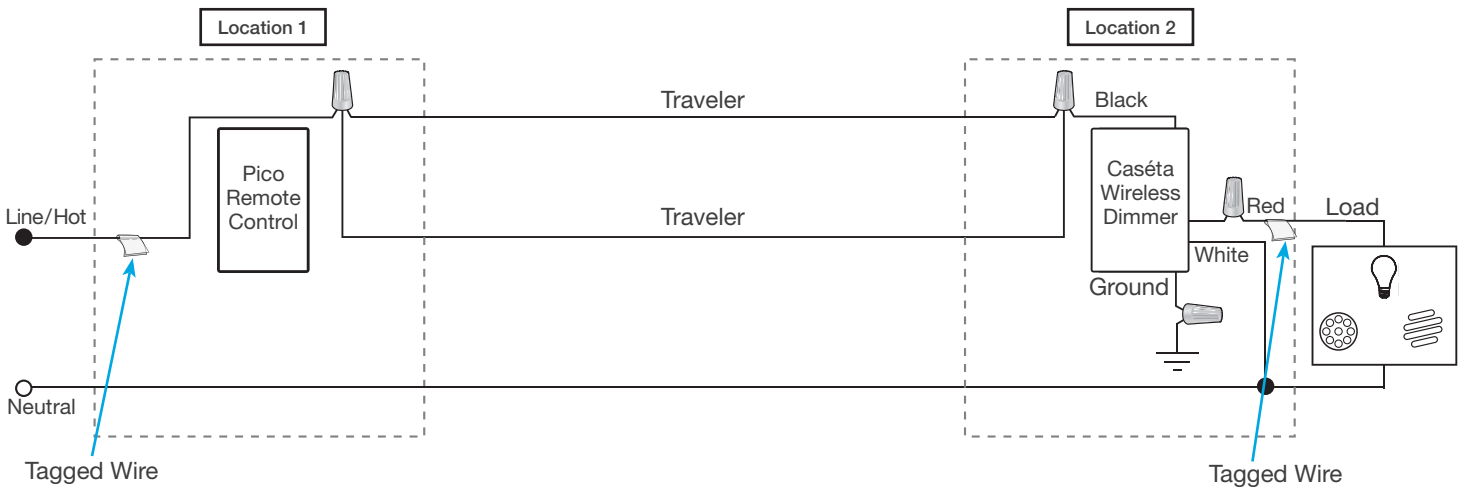
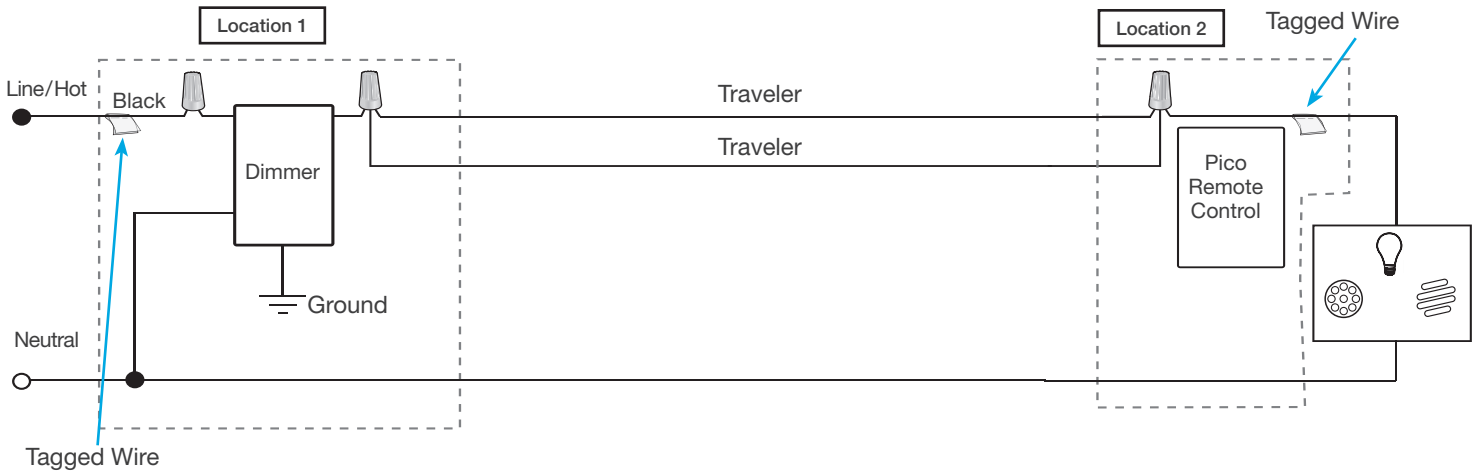
Location 2



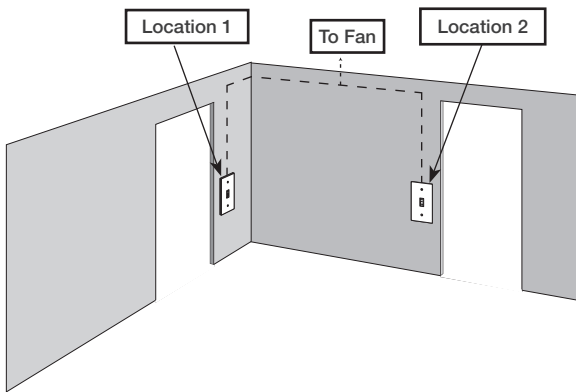
19 Pair additional remote controls

Repeat steps 17 and 18 to pair additional remote controls.

Schematic Diagram



1 Identify existing wiring

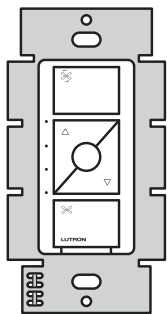


Two switches control the fan (3-way installation)

Important note:

- If one switch controls the fan (single-pole installation) See quick-start guide that came with your control
- If three or more switches control the fan (multi-location installation) See [page 83](#) for details

2 What you need for a 3-way installation



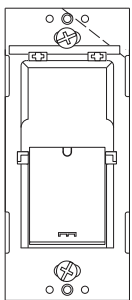
Fan control
PD-FSQN

+



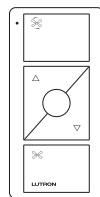
Two Claro wallplates
CW-1

+



Pico wallbox adapter
PICO-WBX-ADAPT

+

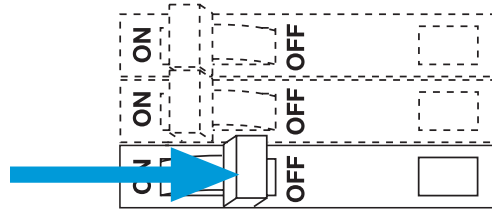


Pico remote control
for fans
PJ2-3BRL-XXX-F01

3 Choose a location for your Caséta Wireless fan control

Choose which location you want the Caséta Wireless fan control installed in. This will be Location 1.

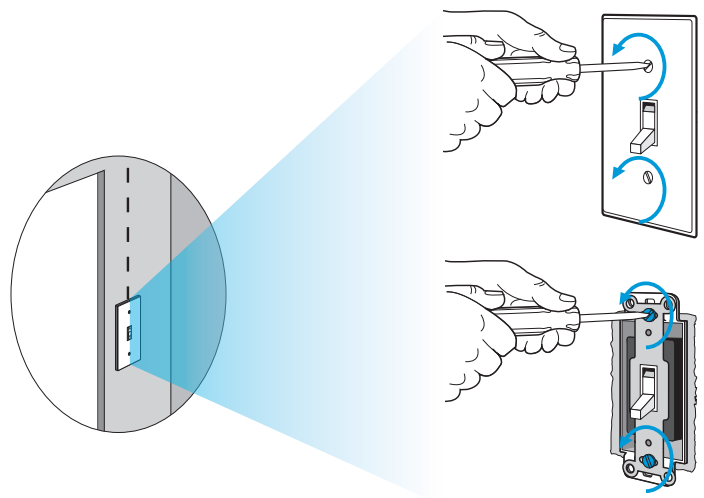
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

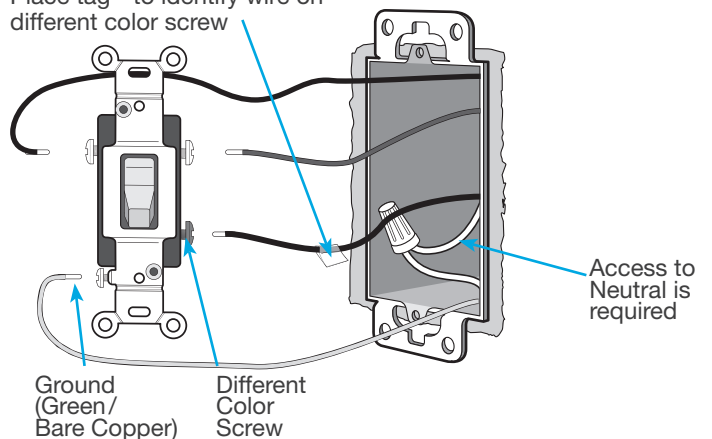
Location 1



6 Tag and disconnect wires from the existing switch

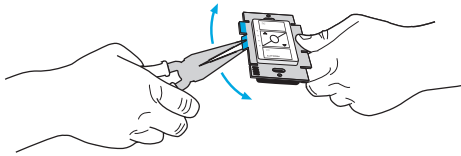
Location 1

Place tag - to identify wire on different color screw

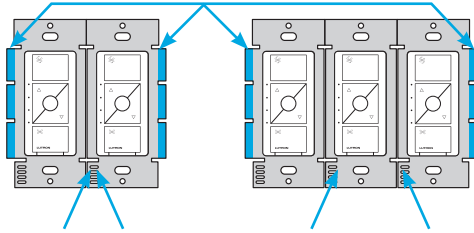


7 Remove side sections (if necessary)

When installing more than one Caséta Wireless fan control in the same wallbox, it is necessary to remove inner side sections prior to wiring. See image and chart below for more information.



Do not remove outside side sections on fan controls at the end of gang.

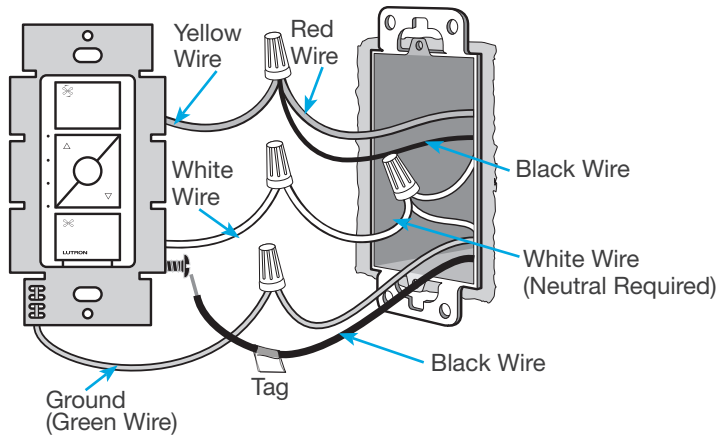


Each fan control has inside side sections removed.

Fan control in the middle has all side sections removed.

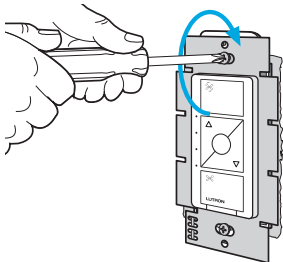
8 Connect the Caséta Wireless fan control

Location 1



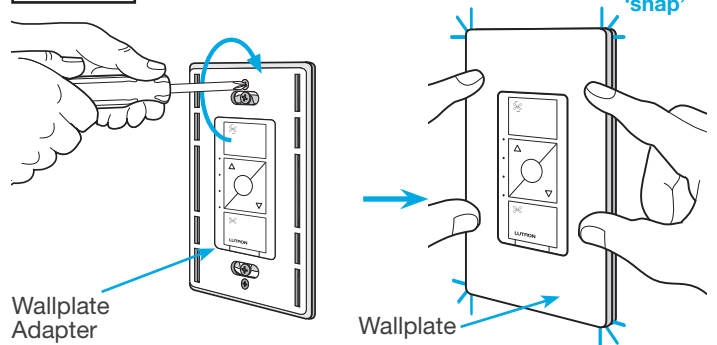
9 Mount the Caséta Wireless fan control

Location 1



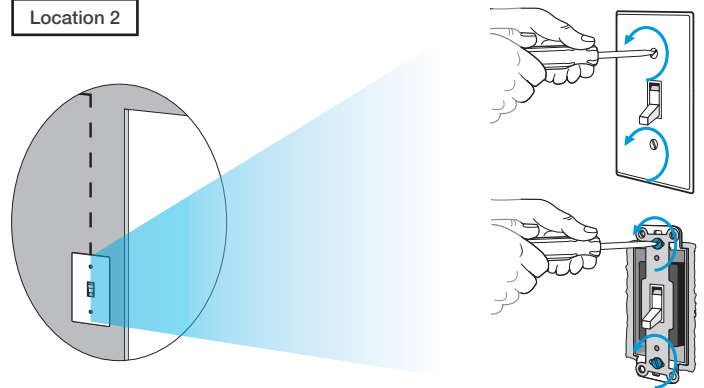
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

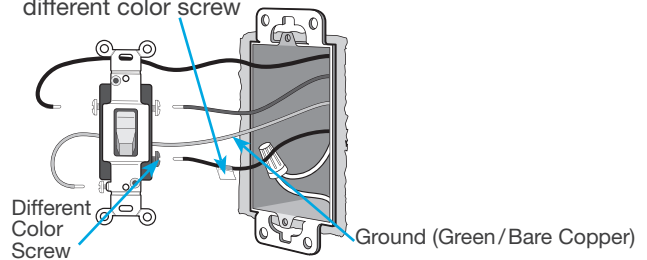
Location 2



12 Tag and disconnect wires from the switch

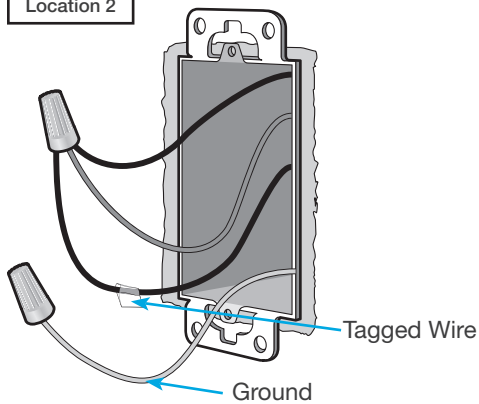
Location 2

Place tag - to identify wire on different color screw



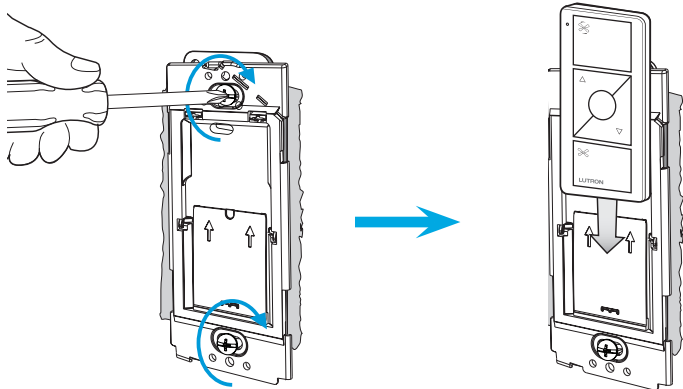
13 Connect the wires

Location 2



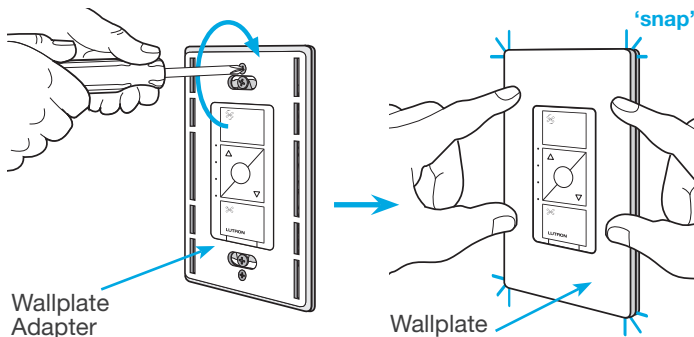
14 Attach the wallplate bracket and Pico remote control

Location 2

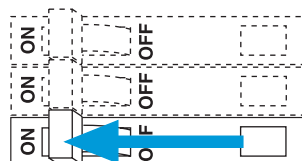


15 Attach the wallplate

Location 2



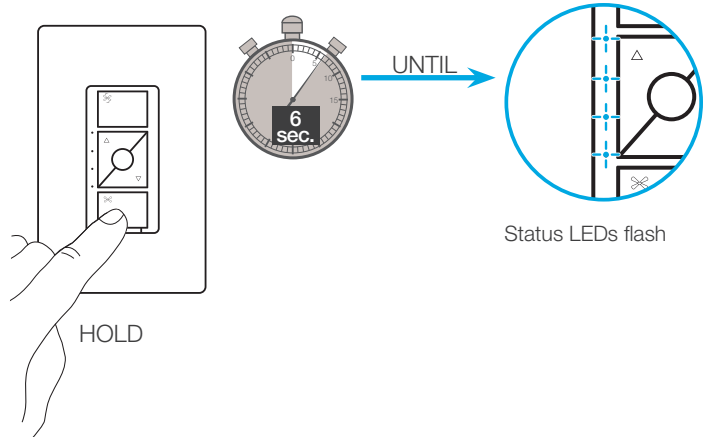
16 Turn power on at circuit breaker



Pairing the fan control and Pico remote control

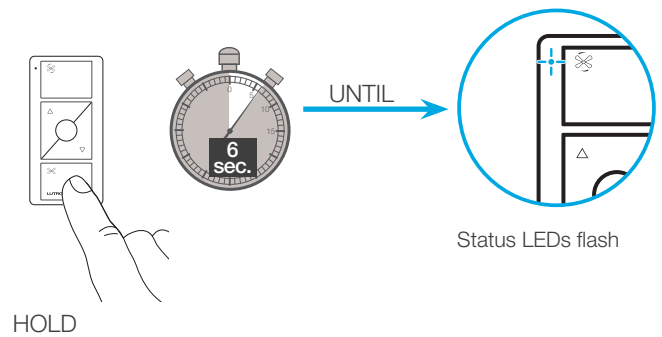
17 Press and hold "Off" button on fan control

Location 1



18 Press and hold "Off" button on remote control

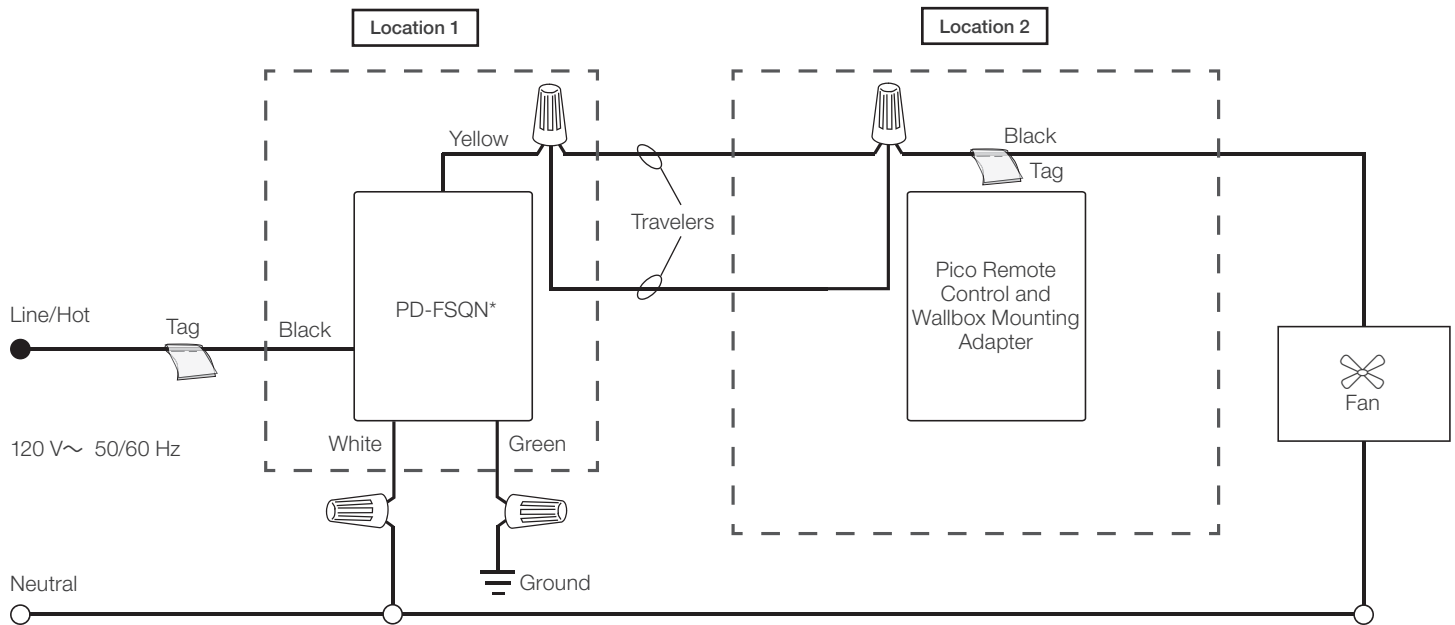
Location 2



19 Pair additional remote controls

Repeat steps 17 and 18 to pair additional remote controls.

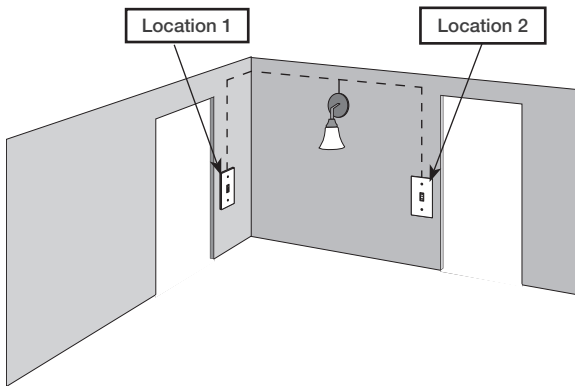
Schematic Diagram



* Control can be installed in either location.

NOTE: The yellow wire must be connected to the load and the black wire must be connected to line/hot. The product will not work if the wires are reversed.

1 Identify existing wiring



Two switches control the lights (3-way installation)

Important note:

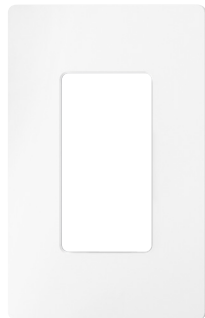
- If one switch controls the lights (single-pole installation) See quick-start guide that came with your dimmer
- If three or more switches control the lights (multi-location installation) See [page 88](#) and [page 98](#) for details

2 What you need for a 3-way installation



Diva Smart dimmer
DVRF-6L

+



Claro wallplate
CW-1

+

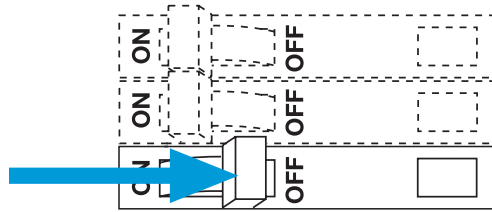


Pico remote control
with wall-mounting kit
PJ2-WALL

3 Choose a location for your Caséta Diva Smart dimmer

Choose which location you want the Caséta Diva Smart dimmer installed in. This will be Location 1.

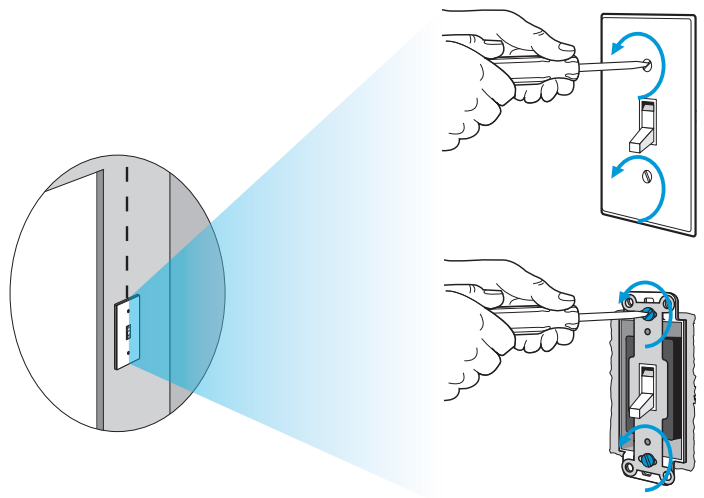
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

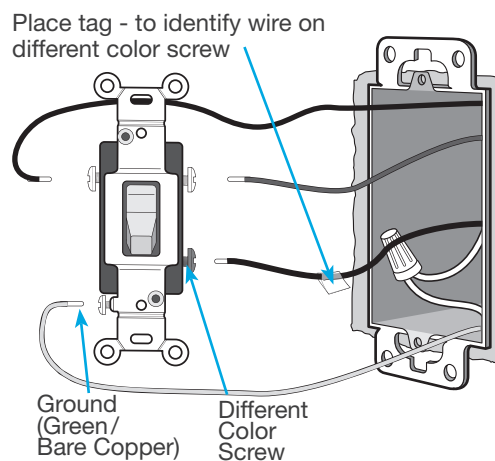
5 Remove existing switch from wall

Location 1

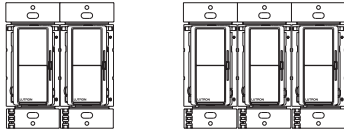


6 Tag and disconnect wires from the existing switch

Location 1



7 Ganging and derating



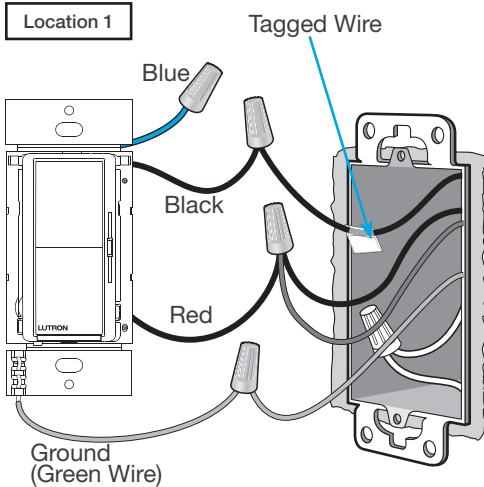
Note: Diva Smart controls don't have fins but derating is still required. See the chart below.

Important note:

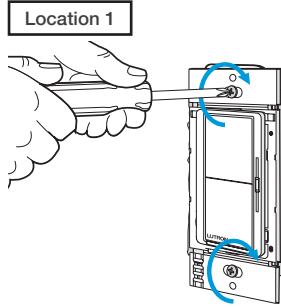
Ganging units together may reduce the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

Total Dimmable LED Wattage	Incandescent/Halogen Total Wattage		
	A	B	C
0 W	+ 600 W	500 W	400 W
1 W – 25 W	+ 500 W	400 W	300 W
26 W – 50 W	+ 400 W	300 W	200 W
51 W – 75 W	+ 300 W	200 W	100 W
76 W – 100 W	+ 200 W	100 W	50 W
101 W – 125 W	+ 100 W	50 W	0 W
126 W – 150 W	+ 0 W	0 W	0 W

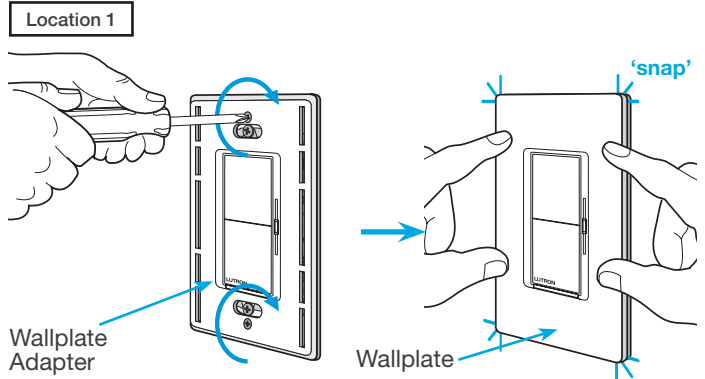
8 Connect the Caséta Diva Smart dimmer



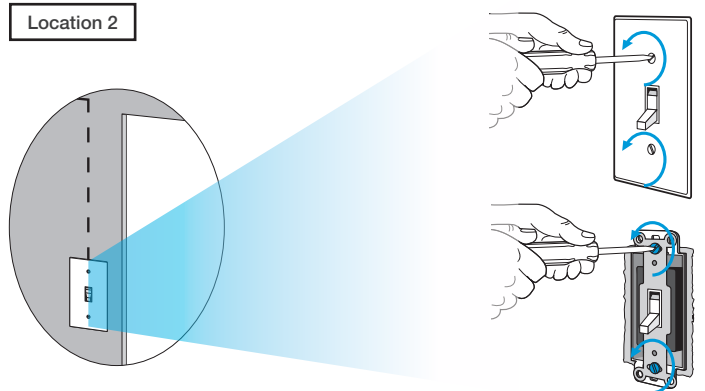
9 Mount the Caséta Diva Smart dimmer



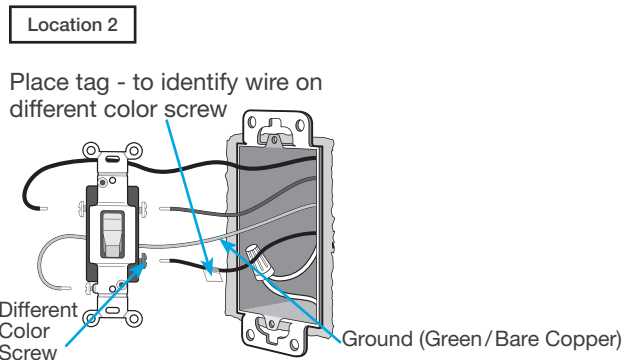
10 Attach the wallplate



11 Remove existing switch from wall at Location 2

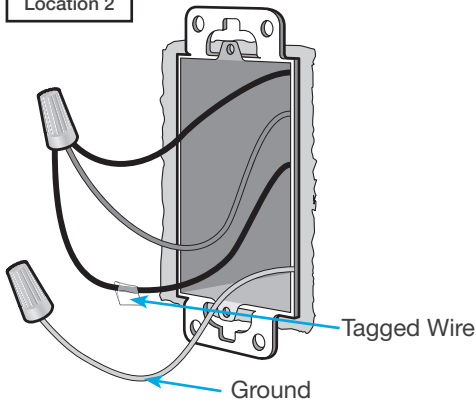


12 Tag and disconnect wires from the switch



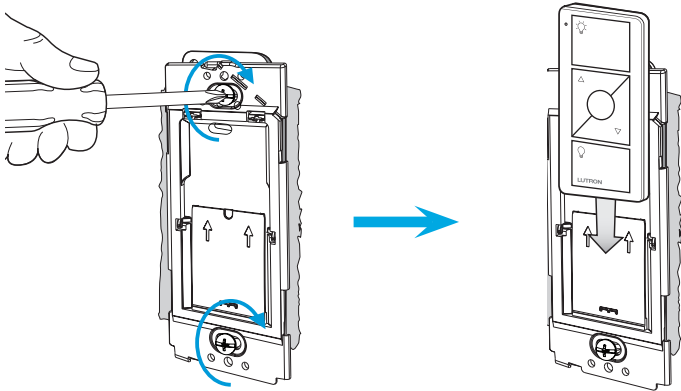
13 Connect the wires

Location 2



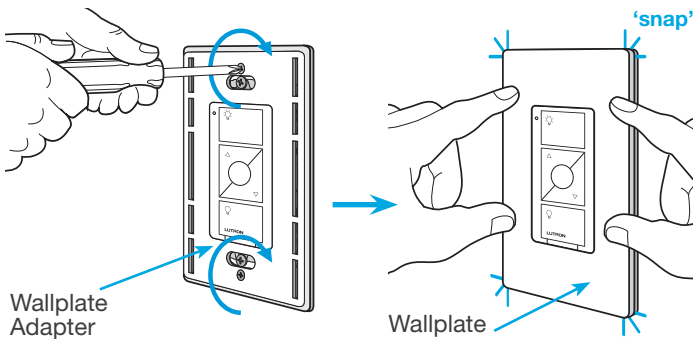
14 Attach the wallplate bracket and Pico remote control

Location 2

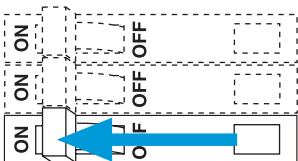


15 Attach the wallplate

Location 2



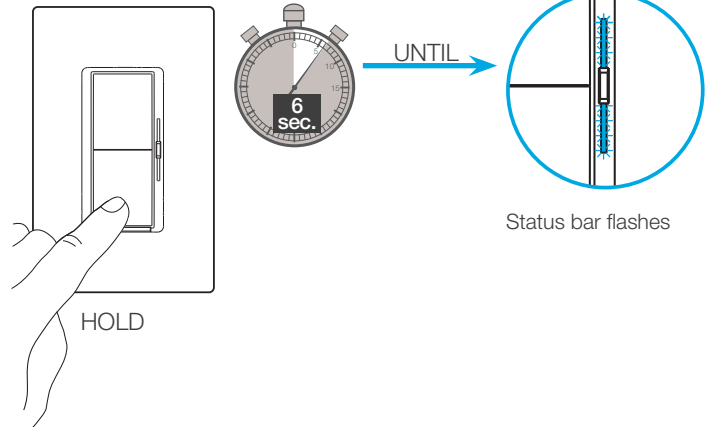
16 Turn power on at circuit breaker



Pairing the dimmer and Pico remote control

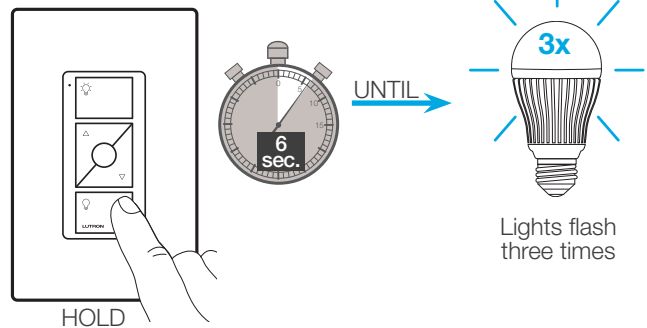
17 Press and hold "Off" button on dimmer

Location 1



18 Press and hold "Off" button on remote control

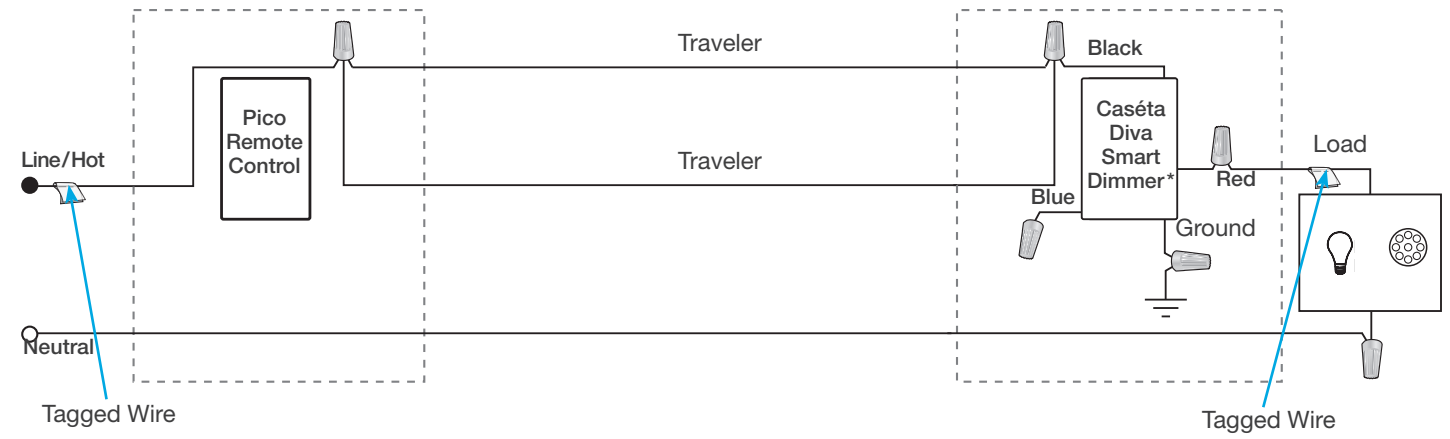
Location 2



19 Pair additional remote controls

Repeat steps 17 and 18 to pair additional remote controls.

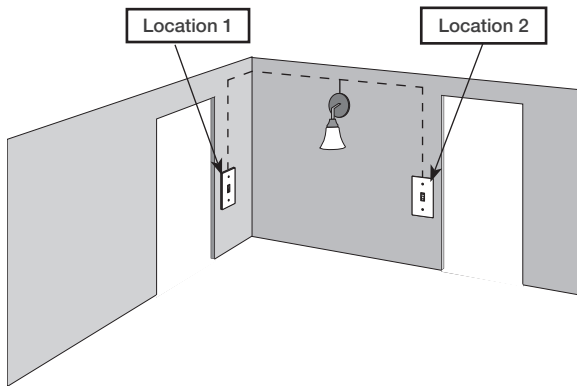
Schematic Diagram



* Dimmer may be installed in either location.

NOTE: When using Picos in a multilocation installation with a Diva Smart dimmer the Black and Red wires are reversible.

1 Identify existing wiring



Two switches control the lights (3-way installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If three or more switches control the lights (multi-location installation) See [page 93](#) and [page 103](#) for details

2 What you need for a 3-way installation



Claro Smart switch
DVRF-5NS

+



Pico remote control
PJ2-2B

+



Wallplate bracket
PICO-WBX-ADAPT

+

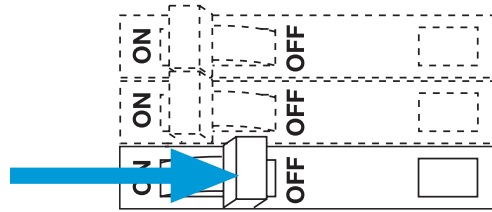


Two Claro wallplates
CW-1

3 Choose a location for your Caséta Claro Smart switch

Choose which location you want the Caséta Claro Smart switch installed in. This will be Location 1.

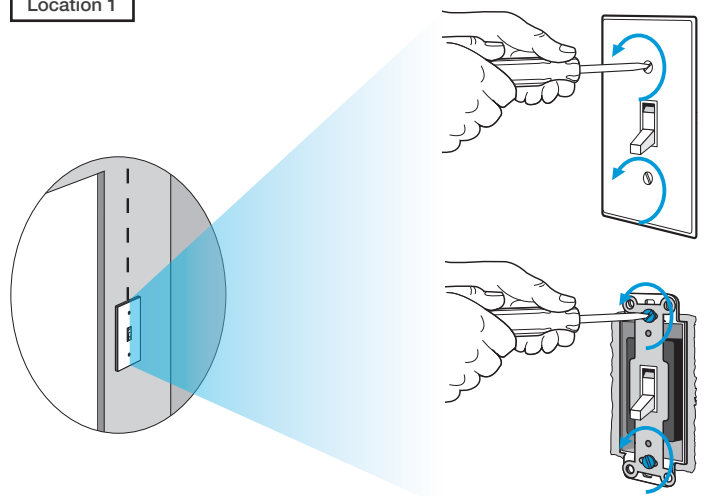
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

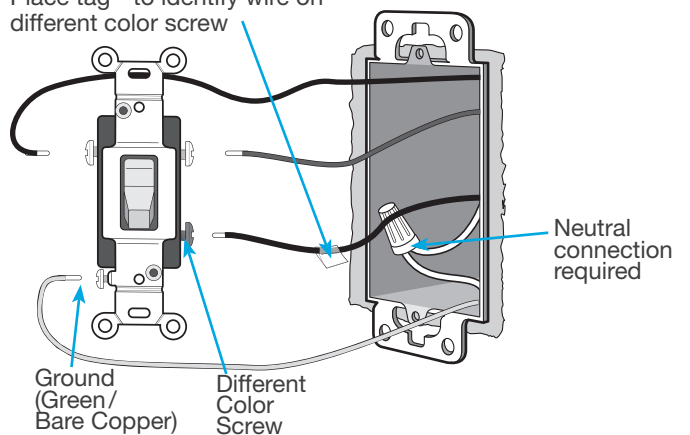
Location 1



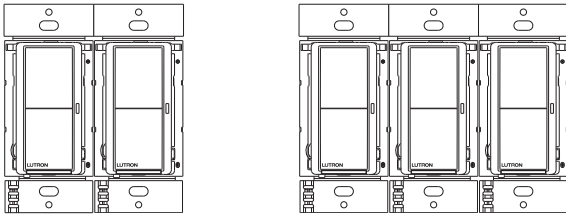
6 Tag and disconnect wires from the existing switch

Location 1

Place tag - to identify wire on different color screw



7 Ganging and derating



Note: Claro Smart controls don't have fins but derating is still required. See the chart below.

Important note:

Ganging units together may reduce the switch's maximum wattage rating. See the chart below for maximum wattage information.

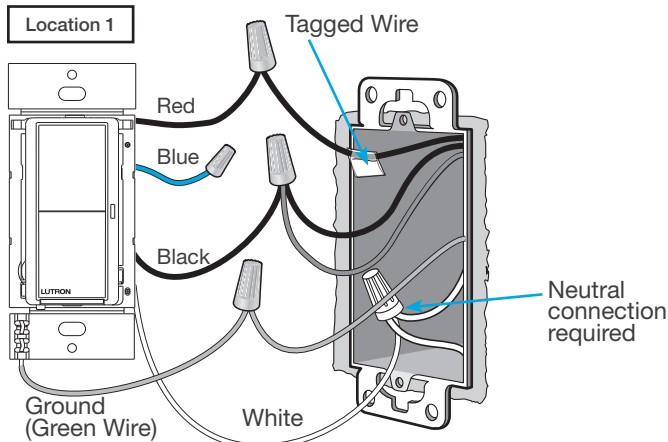
DVRF-5NS (120 V~) ¹	A	B	C
LED	5 A	5 A	5 A
Halogen/incandescent	600 W	600 W	600 W
Electronic Low-Voltage	600 VA	600 VA	600 VA
Magnetic Low-Voltage ²	600 VA	600 VA	600 VA
Fluorescent ³	5 A	5 A	5 A
General Purpose Fan	3 A	3 A	3 A

¹ Neutral required.

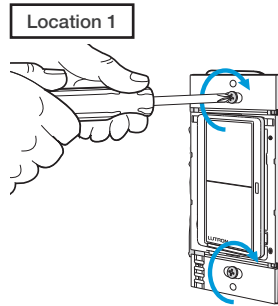
² The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the switch.

³ The switch is UL_® Listed for use with all magnetic and electronic fluorescent ballasts.

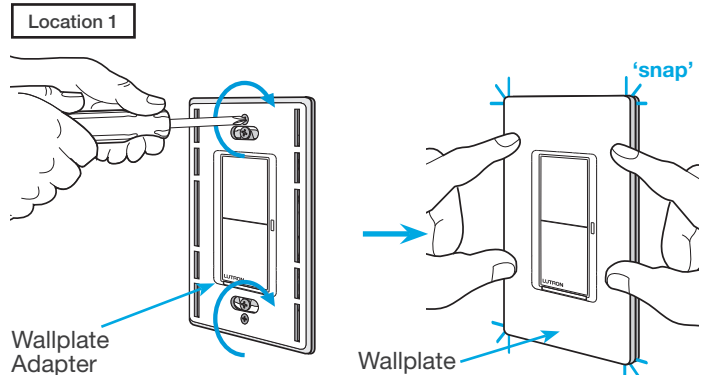
8 Connect the new Caséta Claro Smart switch



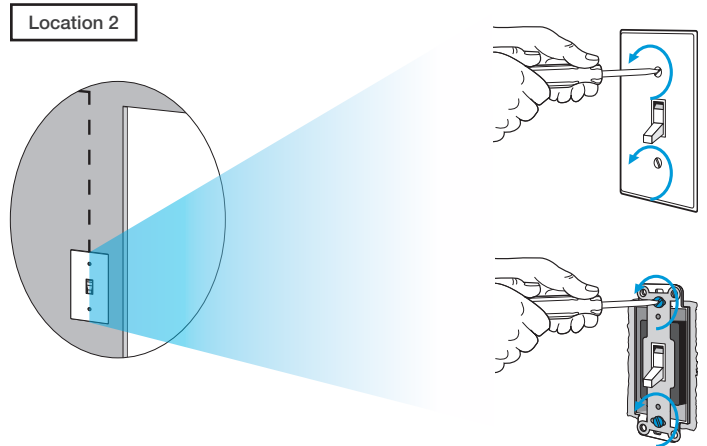
9 Mount the Caséta Claro Smart switch



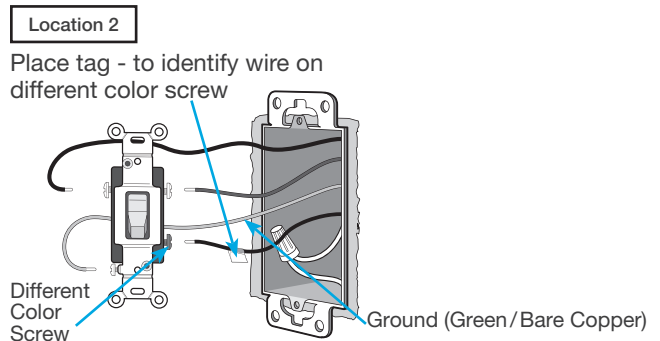
10 Attach the wallplate



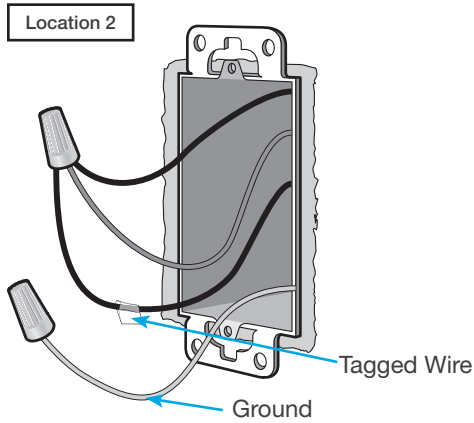
11 Remove existing switch from wall at Location 2



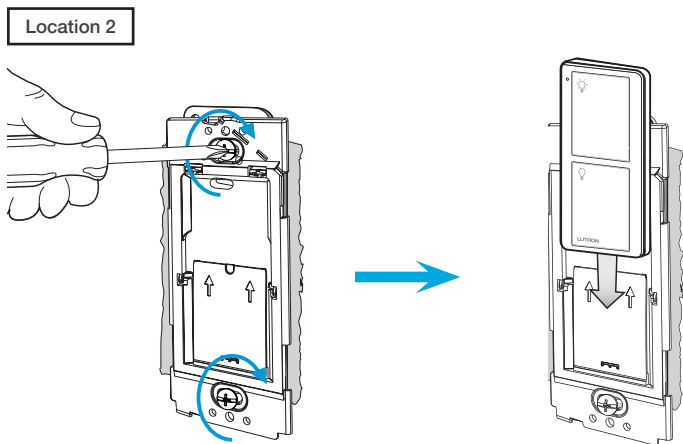
12 Tag and disconnect wires from the existing switch



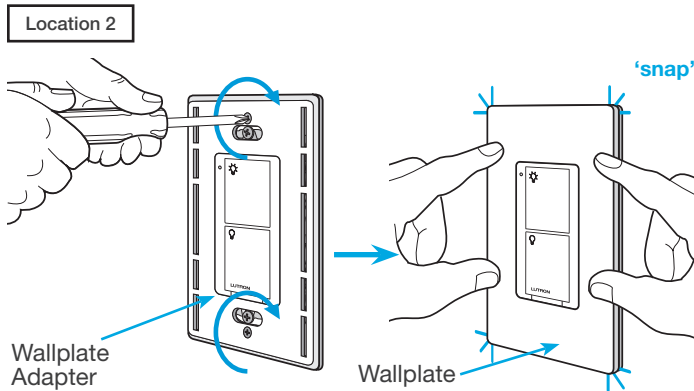
13 Connect the wires



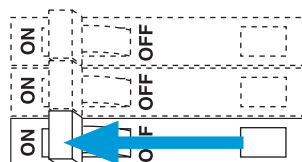
14 Attach the wallplate bracket and Pico remote control



15 Attach the wallplate

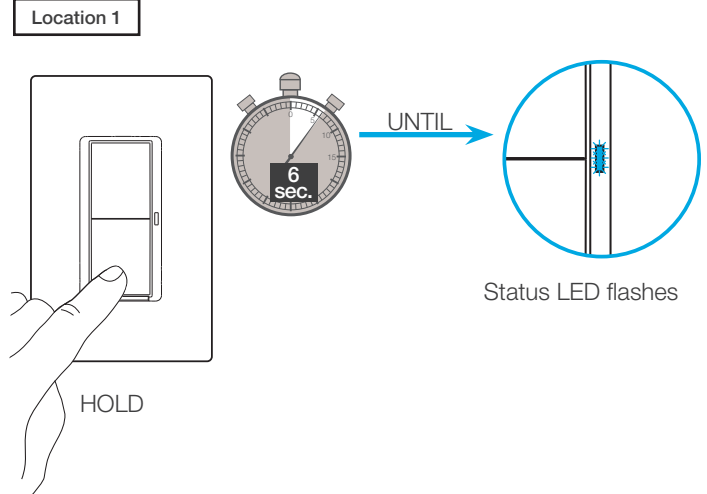


16 Turn power on at circuit breaker

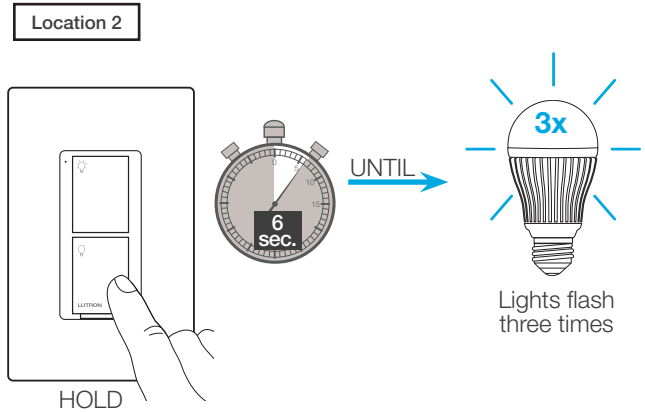


Pairing the switch and Pico remote control

17 Press and hold "Off" button on switch



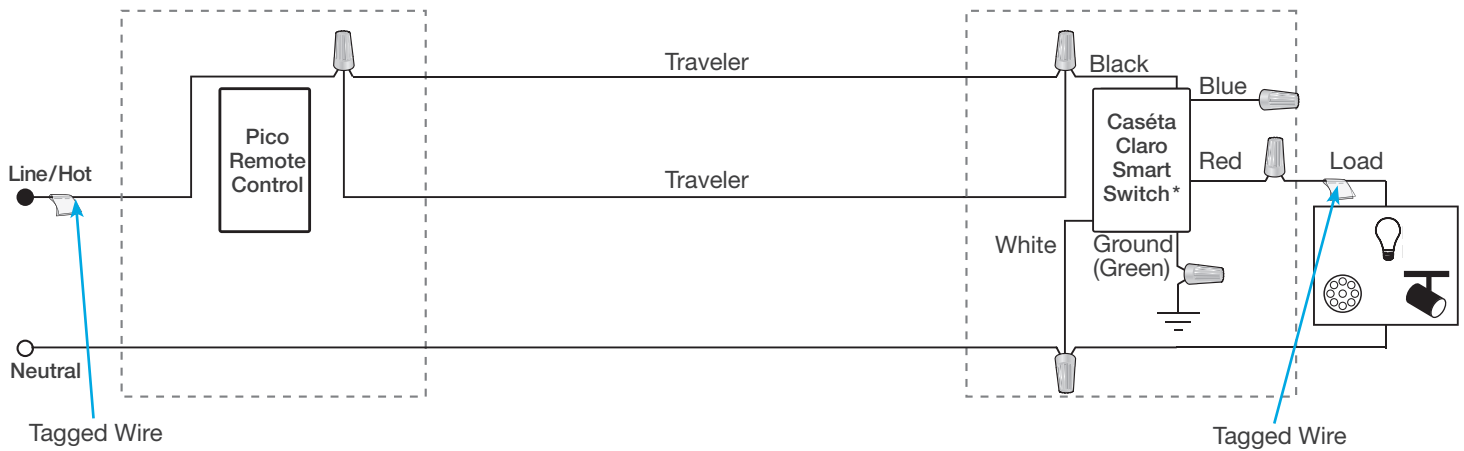
18 Press and hold "Off" button on remote control



19 Pair additional remote controls

Repeat steps 17 and 18 to pair additional remote controls.

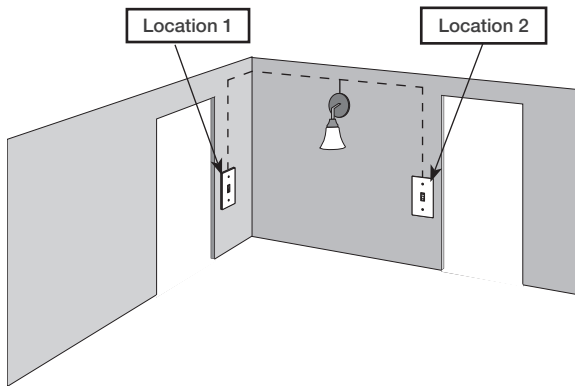
Schematic Diagram



* Switch may be installed in either location.

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

1 Identify existing wiring



Two switches control the lights (3-way installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If three or more switches control the lights (multi-location installation) See [page 68](#) for details

2 What you need for a 3-way installation



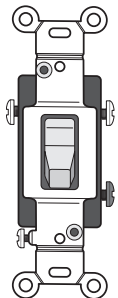
Switch
PD-5WS-DV

+



Claro wallplate
CW-1

+

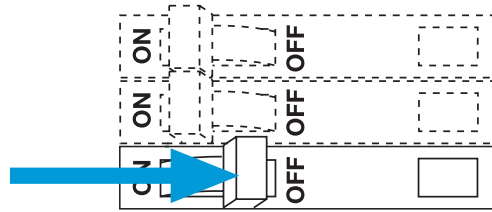


Existing mechanical
toggle switch

3 Choose a location for your Caséta Wireless switch

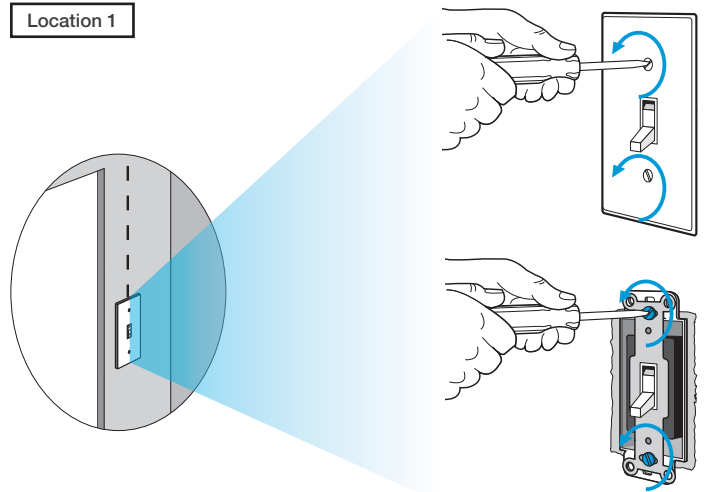
Choose which location you want the Caséta Wireless switch installed in. This will be Location 1.

4 Turn power off at circuit breaker

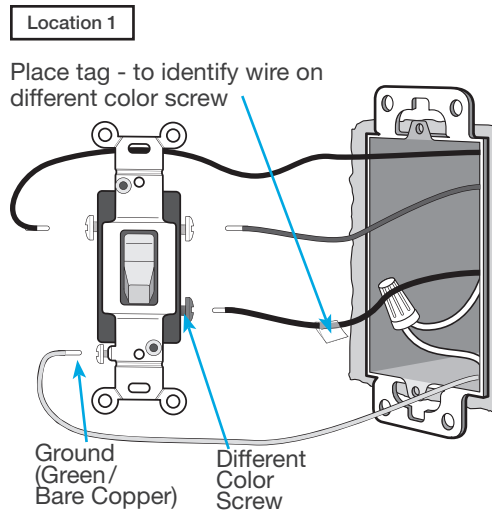


WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall



6 Tag and disconnect wires from the existing switch



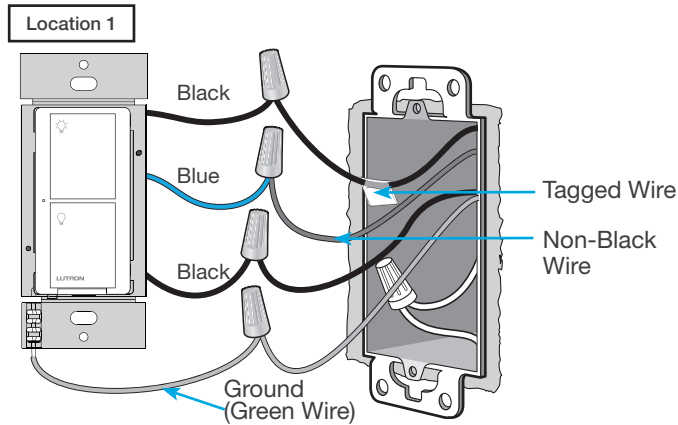
7 Ganging and derating

	A	B	C
PD-5WS-DV (120 V~)	A	B	C
LED	5 A	4 A	3 A
Halogen/incandescent	600 W	450 W	350 W
Electronic Low-Voltage	600 W	450 W	350 W
Magnetic Low-Voltage ¹	600 VA / 475 W	450 VA / 350 W	350 VA / 275 W
Fluorescent ²	5 A	4 A	3 A
General Purpose Fan	3 A	3 A	3 A
PD-5WS-DV (277 V~)	A	B	C
LED	5 A	4 A	3 A
Halogen/incandescent	1350 W	1100 W	800 W
Electronic Low-Voltage	1350 W	1100 W	800 W
Magnetic Low-Voltage ¹	1350 VA / 1075 W	1100 VA / 875 W	800 VA / 625 W
Fluorescent ²	5 A	4 A	3 A

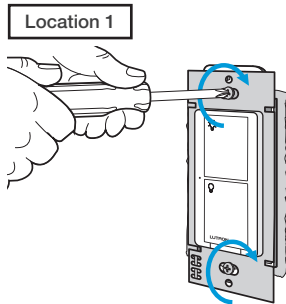
¹ The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the switch.

² The switch is UL Listed for use with all magnetic and electronic fluorescent ballasts.

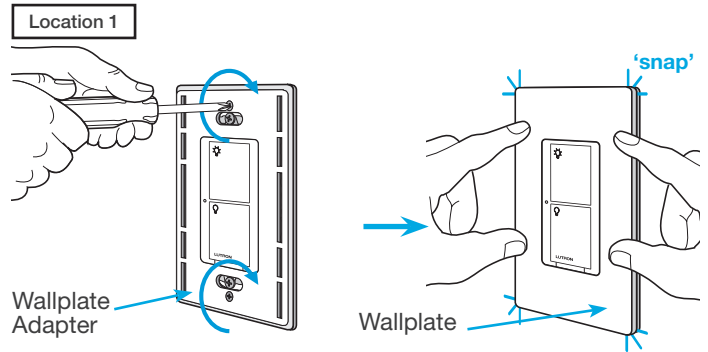
8 Connect the new Caséta Wireless switch



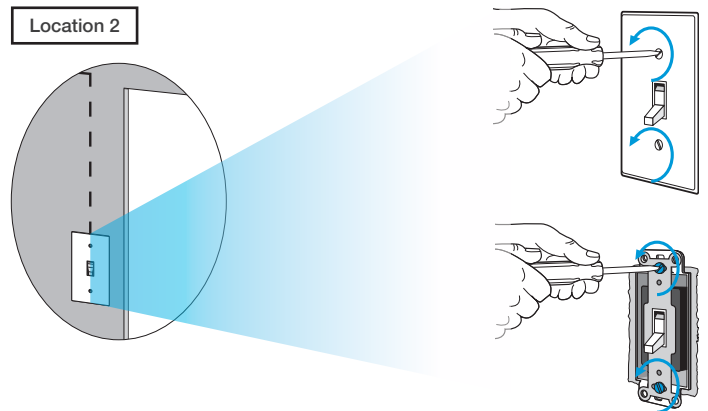
9 Mount the Caséta Wireless switch



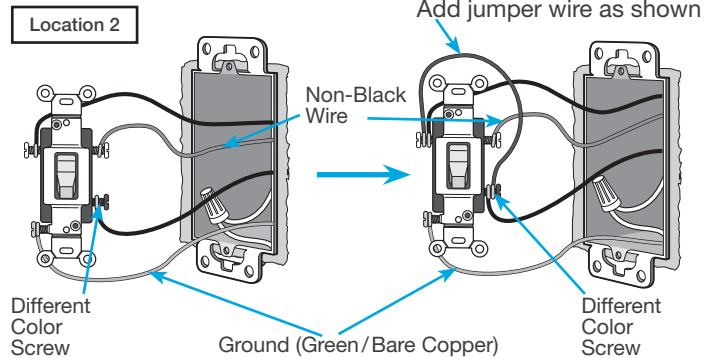
10 Attach the wallplate



11 Remove existing toggle switch from wall at Location 2

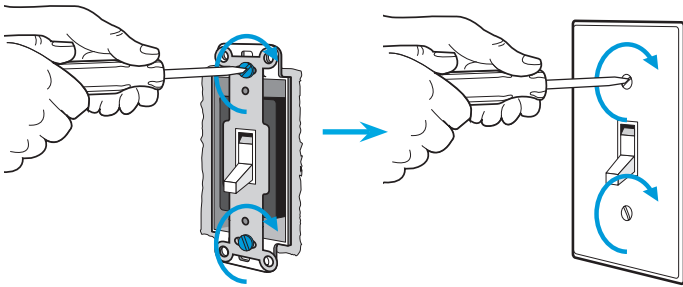


12 Modify wiring for existing toggle switch

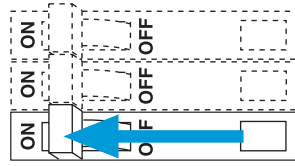


13 Remount existing switch

Location 2



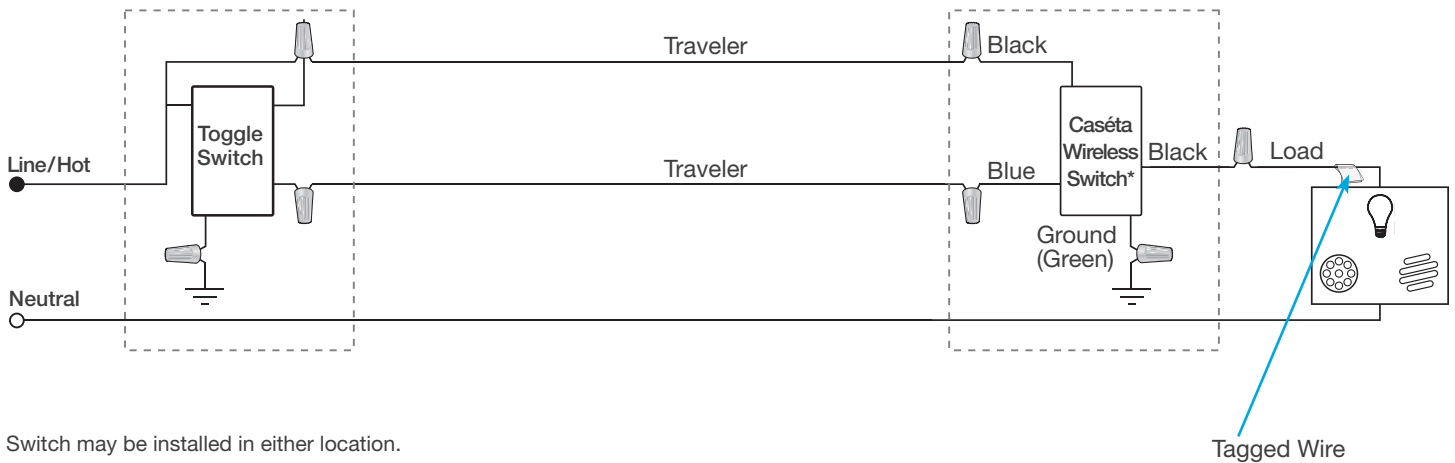
14 Turn power on at circuit breaker



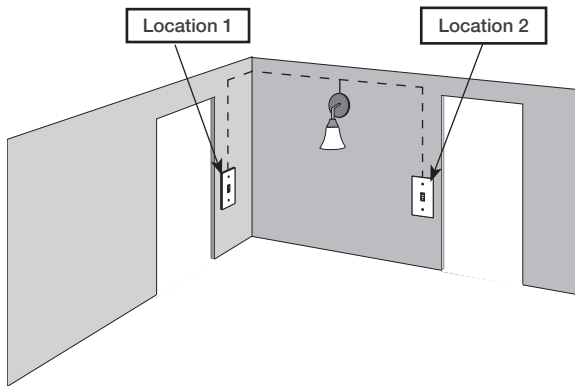
Important note: Pico remote control (optional)

If you would like to pair a Pico remote control to the Caséta Wireless switch, please follow the procedure described in the quick-start guide that came with your switch.

Schematic Diagram



1 Identify existing wiring

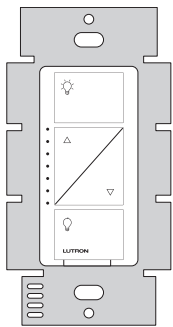


Two switches control the lights (3-way installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If three or more switches control the lights (multi-location installation) See [page 63](#) for details

2 What you need for a 3-way installation



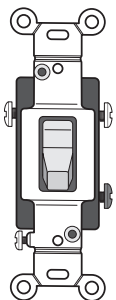
PRO dimmer
PD-10NXD

+



Claro wallplate
CW-1

+

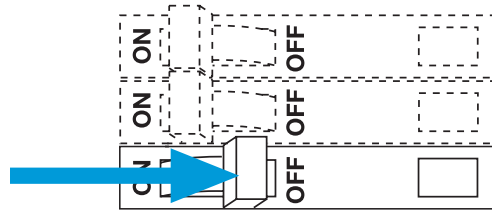


Existing mechanical
toggle switch

3 Choose a location for your Caséta Wireless dimmer

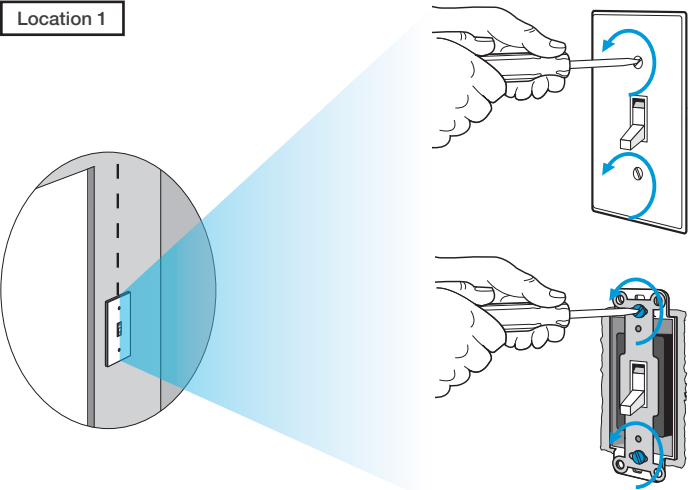
Choose which location you want the Caséta Wireless dimmer installed in. This will be Location 1.

4 Turn power off at circuit breaker

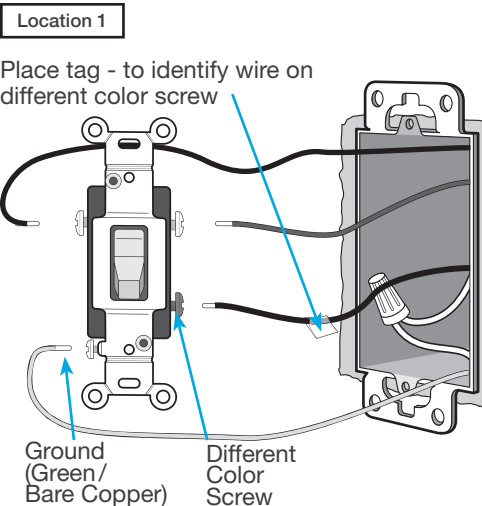


WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

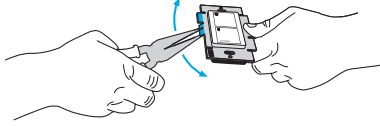


6 Tag and disconnect wires from the existing switch

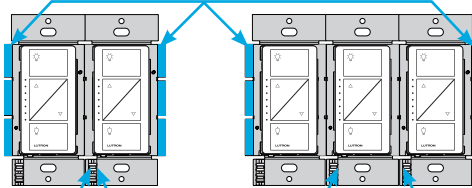


7 Remove side sections (if necessary)

When installing more than one Caséta Wireless dimmer in the same wallbox, it is necessary to remove inner side sections prior to wiring. See image and chart below for more information.



Do not remove outside side sections on switches at the end of gang.



Each dimmer has inside side sections removed.

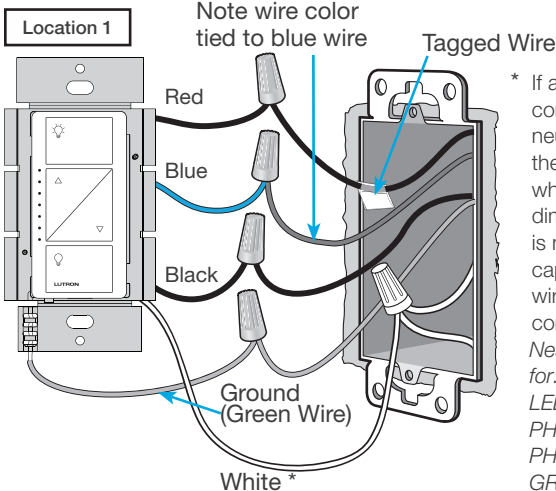
Dimmer in the middle has all side sections removed.

Important note:

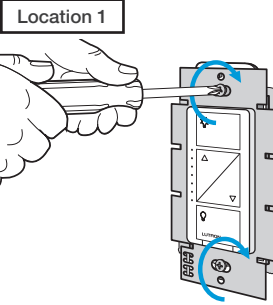
Removing side sections reduces the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

Total Dimmable LED Wattage	Incandescent/Halogen Total Wattage		
	A	B	C
0 W	+ 1000 W	800 W	600 W
1 W – 25 W	+ 900 W	750 W	550 W
26 W – 50 W	+ 800 W	700 W	500 W
51 W – 75 W	+ 700 W	600 W	450 W
76 W – 100 W	+ 600 W	500 W	400 W
101 W – 125 W	+ 500 W	400 W	300 W
126 W – 150 W	+ 400 W	300 W	200 W
151 W – 175 W	+ 300 W	200 W	100 W
176 W – 200 W	+ 200 W	100 W	50 W
201 W – 225 W	+ 100 W	50 W	0 W
226 W – 250 W	+ 0 W	0 W	0 W

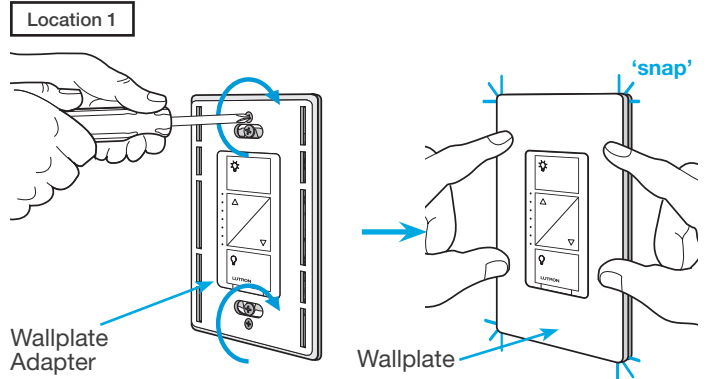
8 Connect the new Caséta Wireless dimmer



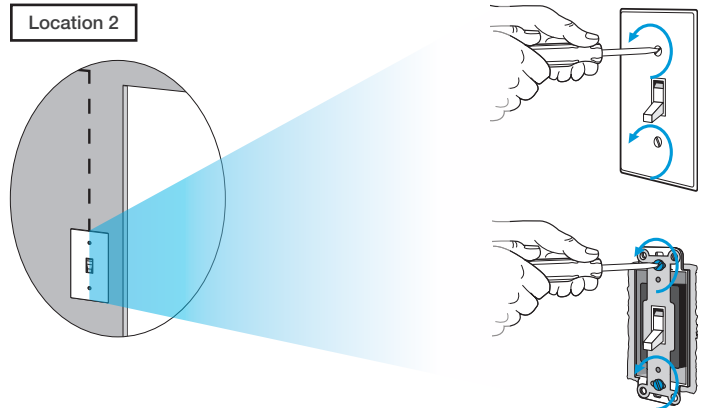
9 Mount the Caséta Wireless dimmer



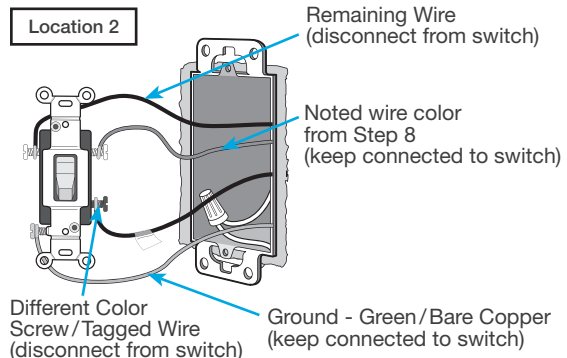
10 Attach the wallplate



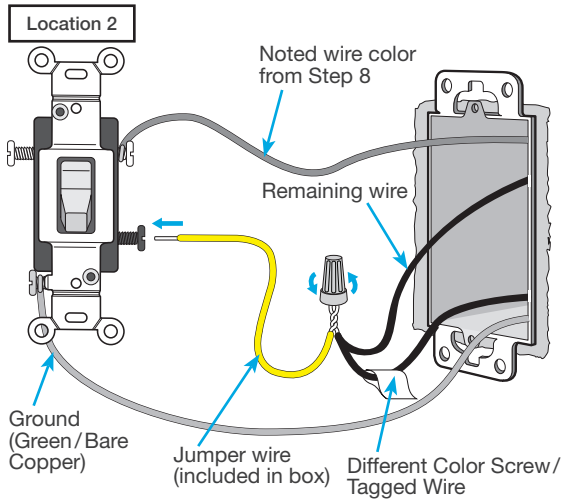
11 Remove existing toggle switch from wall at Location 2



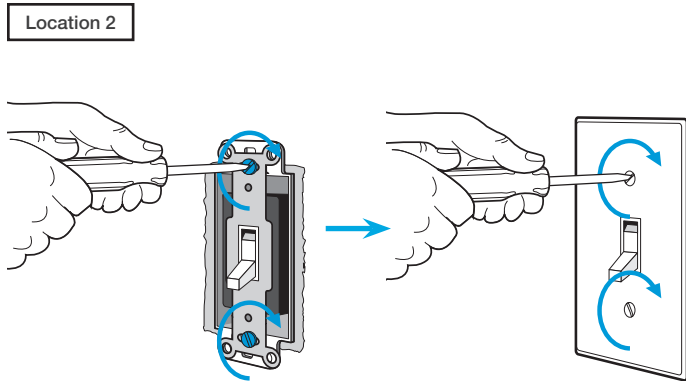
12a Modify wiring for existing toggle switch



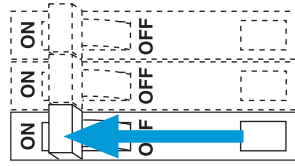
12b Modify wiring for existing toggle switch



13 Remount existing switch



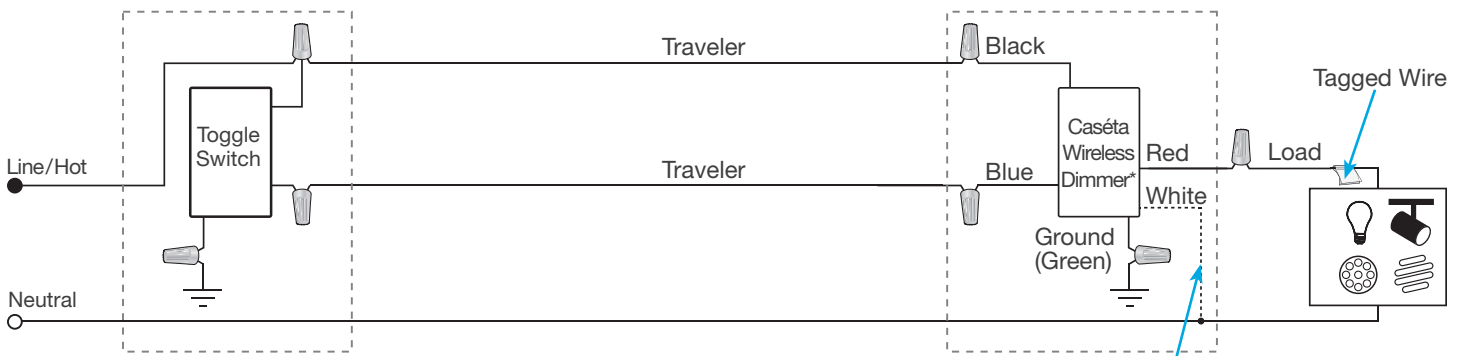
14 Turn power on at circuit breaker



Important note: Pico remote control (optional)

If you would like to pair a Pico remote control to the Caséta Wireless dimmer, please follow the procedure described in the quick-start guide that came with your dimmer.

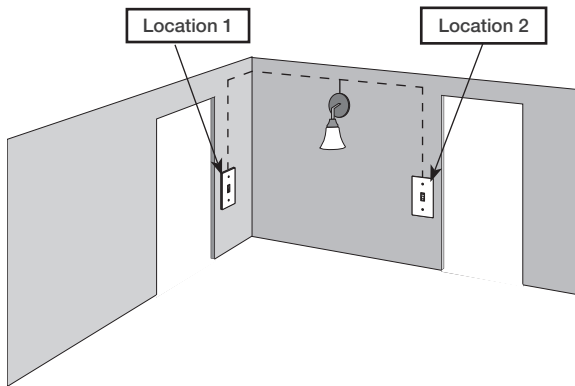
Schematic Diagram



* Dimmer may be installed in either location.

If available, connect the neutral wire from the wallbox to the white wire on the dimmer. If neutral is not available, cap the white wire with a wire connector.
 Neutral required for: MLV loads, LED drivers, PHPM-PA, PHPM-3F, GRX-TVI.

1 Identify existing wiring

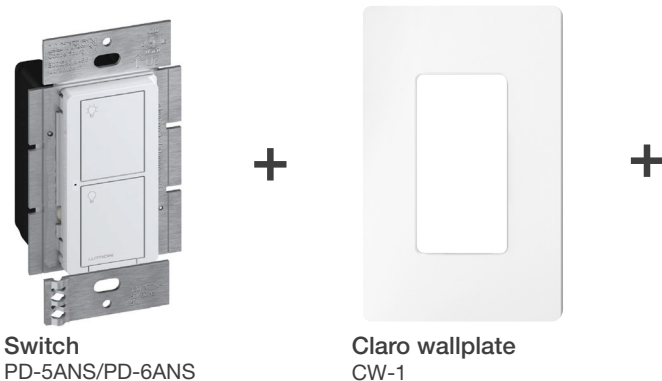


Two switches control the lights (3-way installation)

Important note:

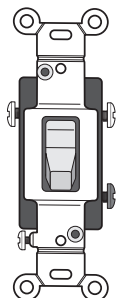
- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If three or more switches control the lights (multi-location installation) See [page 73](#) for details

2 What you need for a 3-way installation



Switch
PD-5ANS/PD-6ANS

Claro wallplate
CW-1

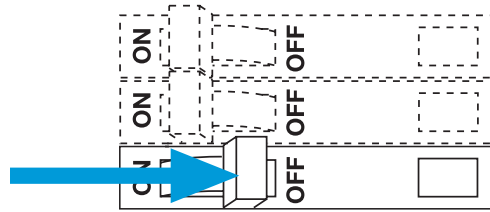


Existing mechanical
toggle switch

3 Choose a location for your Caséta Wireless switch

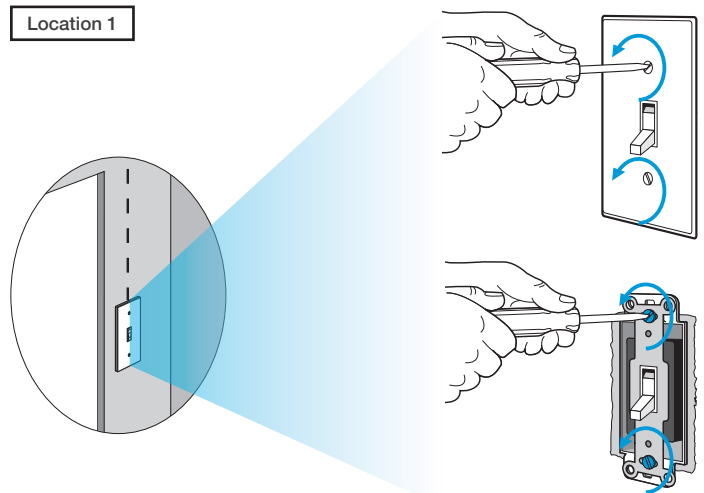
Choose which location you want the Caséta Wireless switch installed in. This will be Location 1.

4 Turn power off at circuit breaker

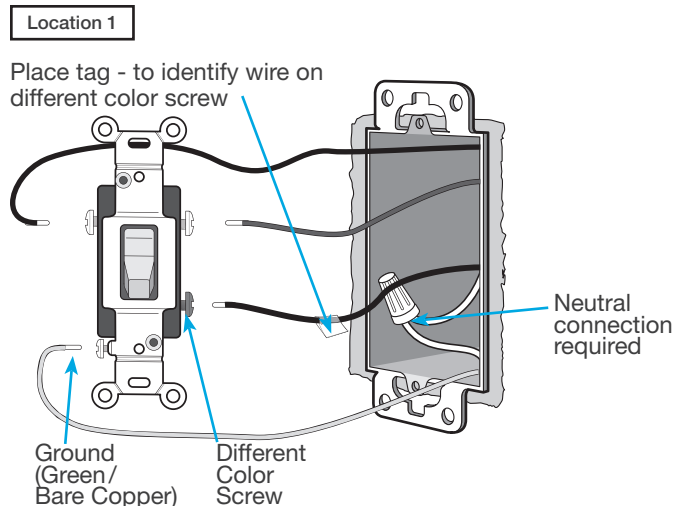


WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

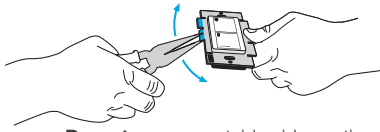


6 Tag and disconnect wires from the existing switch

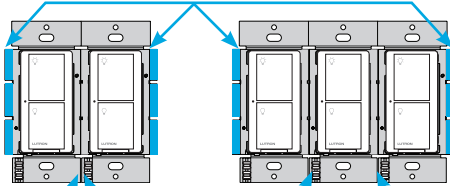


7 Remove side sections (if necessary)

When installing more than one Caséta Wireless switch in the same wallbox, it is necessary to remove inner side sections prior to wiring. See image and chart below for more information.



Do not remove outside side sections on switches at the end of gang.



Each switch has inside side sections removed.

Switch in the middle has all side sections removed.

Important note:

Removing side sections reduces the switch's maximum wattage rating. See the chart below for maximum wattage information.

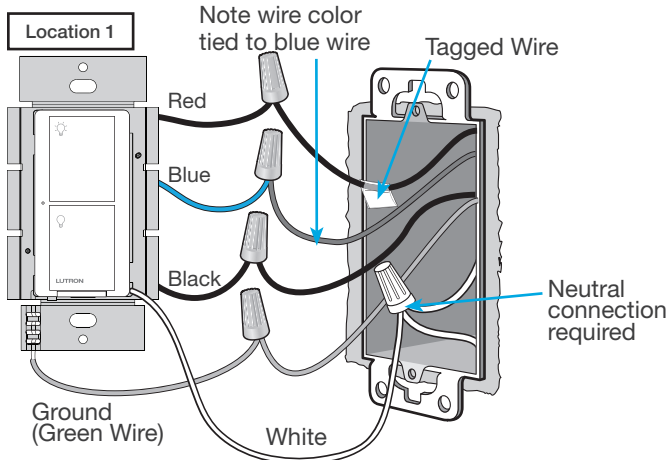
PD-5ANS/PD-6ANS (120 V~) ¹	A	B	C
LED	6 A	6 A	5 A
Halogen / incandescent	720 W	720 W	600 W
Electronic Low-Voltage	720 VA	720 VA	600 VA
Magnetic Low-Voltage ²	720 VA	720 VA	600 VA
Fluorescent ³	6 A	6 A	5 A
General Purpose Fan	3.6 A	3.6 A	3.6 A

¹ Neutral required.

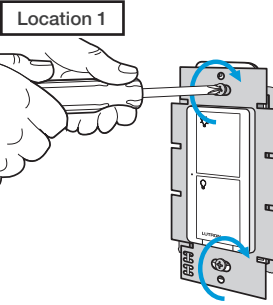
² The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the switch.

³ The switch is UL_® Listed for use with all magnetic and electronic fluorescent ballasts.

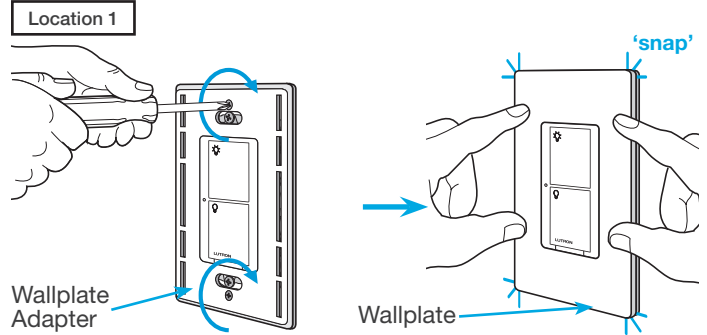
8 Connect the new Caséta Wireless neutral switch



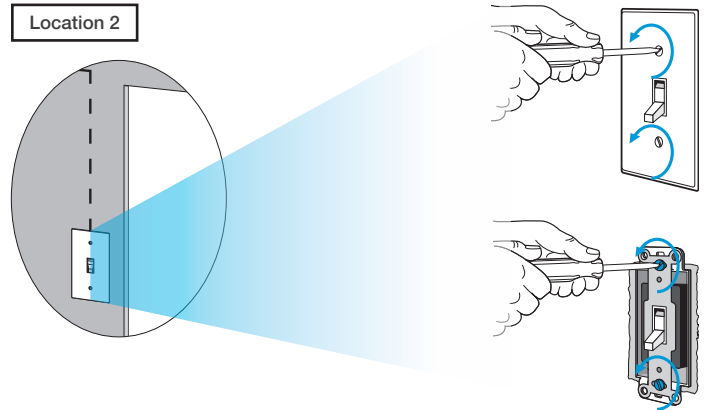
9 Mount the Caséta Wireless switch



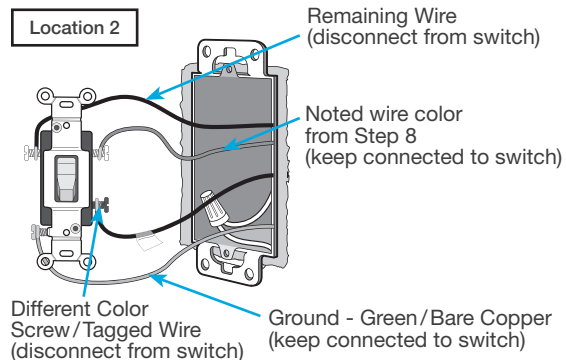
10 Attach the wallplate



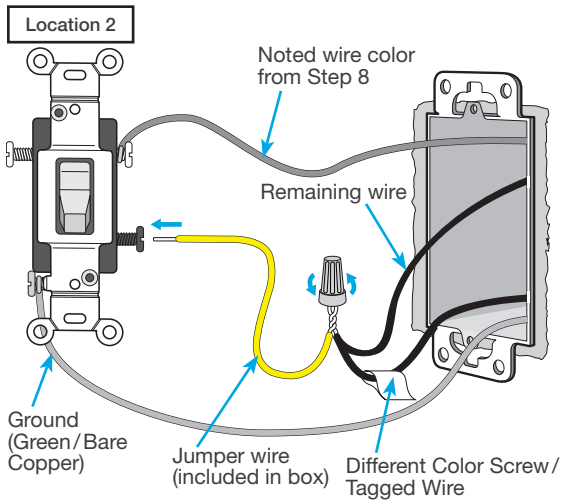
11 Remove existing toggle switch from wall at Location 2



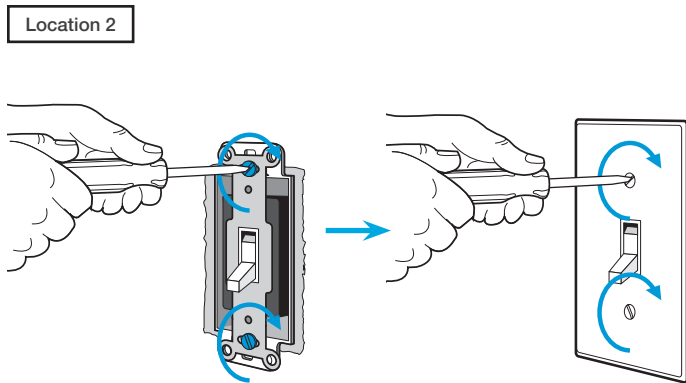
12a Modify wiring for existing toggle switch



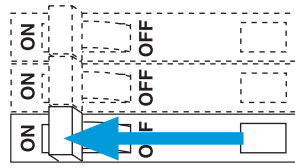
12b Modify wiring for existing toggle switch



13 Remount existing switch



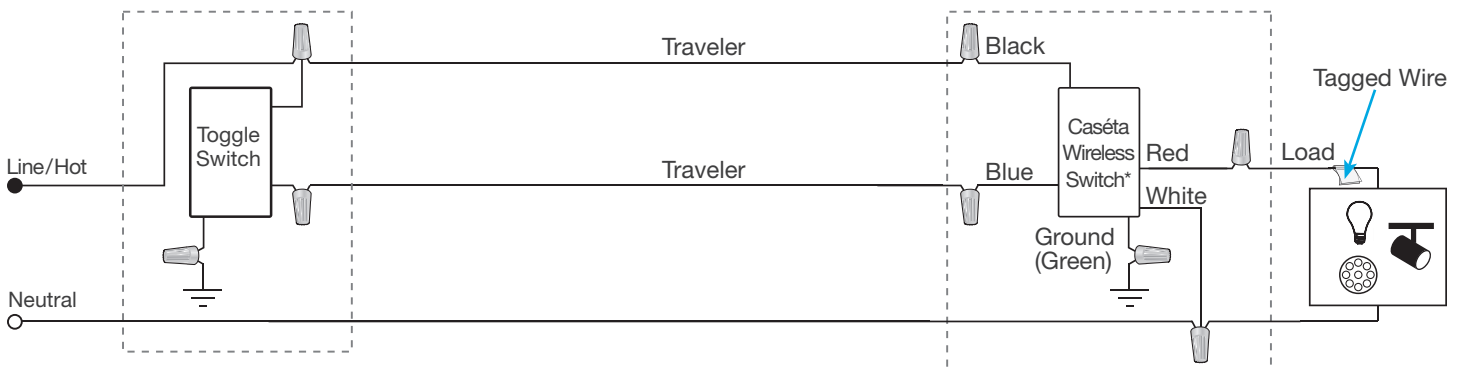
14 Turn power on at circuit breaker



Important note: Pico remote control (optional)

If you would like to pair a Pico remote control to the Caséta Wireless switch, please follow the procedure described in the quick-start guide that came with your switch.

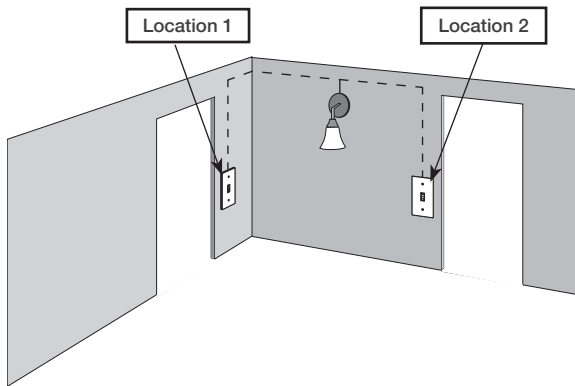
Schematic Diagram



* Switch may be installed in either location.

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

1 Identify existing wiring



Two switches control the lights (3-way installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If three or more switches control the lights (multi-location installation) See [page 88](#) and [page 98](#) for details

2 What you need for a 3-way installation



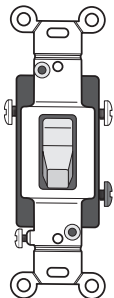
Diva Smart dimmer
DVRF-6L

+



Claro wallplate
CW-1

+

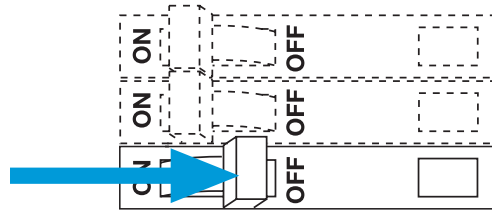


Existing mechanical
toggle switch

3 Choose a location for your Caséta Diva Smart dimmer

Choose which location you want the Caséta Diva Smart dimmer installed in. This will be Location 1.

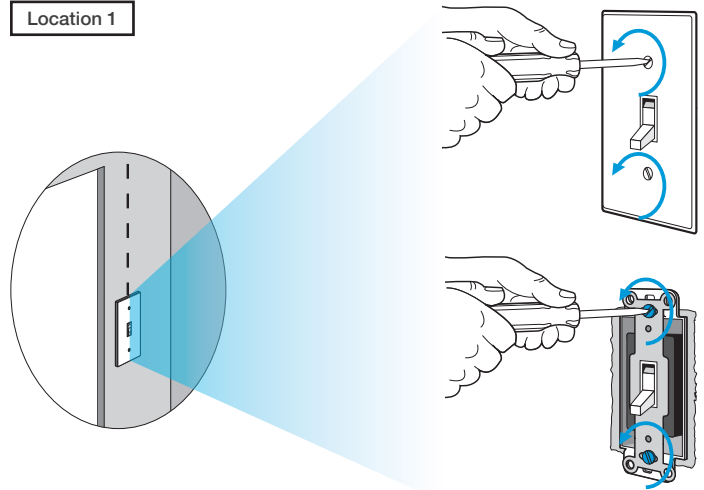
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

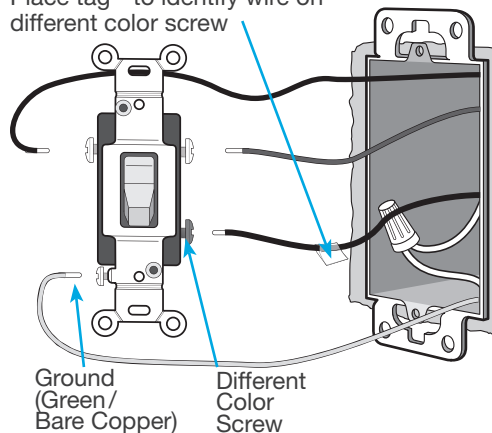
Location 1



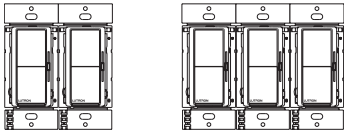
6 Tag and disconnect wires from the existing switch

Location 1

Place tag - to identify wire on different color screw



7 Ganging and derating



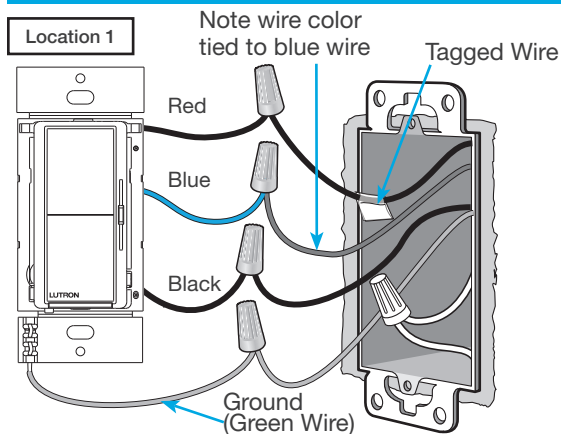
Note: Diva Smart controls don't have fins but derating is still required. See the chart below.

Important note:

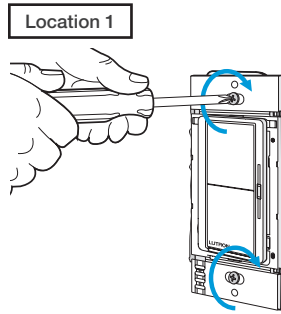
Ganging units together may reduce the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

Total Dimmable LED Wattage	Incandescent/Halogen Total Wattage		
	A	B	C
0 W	+ 600 W	500 W	400 W
1 W - 25 W	+ 500 W	400 W	300 W
26 W - 50 W	+ 400 W	300 W	200 W
51 W - 75 W	+ 300 W	200 W	100 W
76 W - 100 W	+ 200 W	100 W	50 W
101 W - 125 W	+ 100 W	50 W	0 W
126 W - 150 W	+ 0 W	0 W	0 W

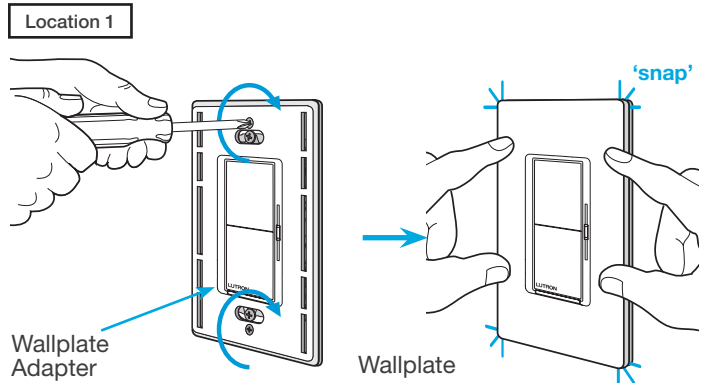
8 Connect the new Caséta Diva Smart dimmer



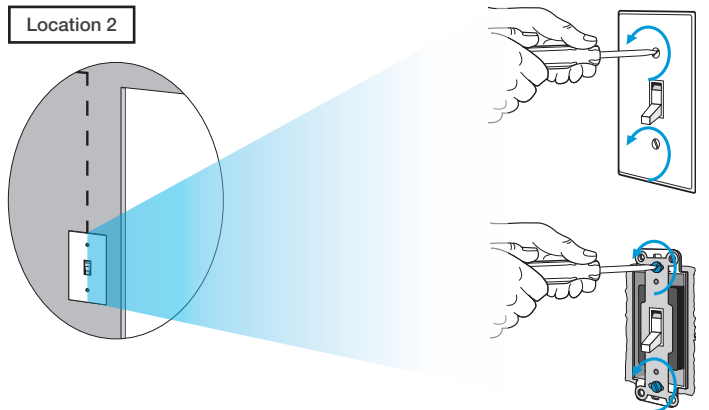
9 Mount the Caséta Diva Smart dimmer



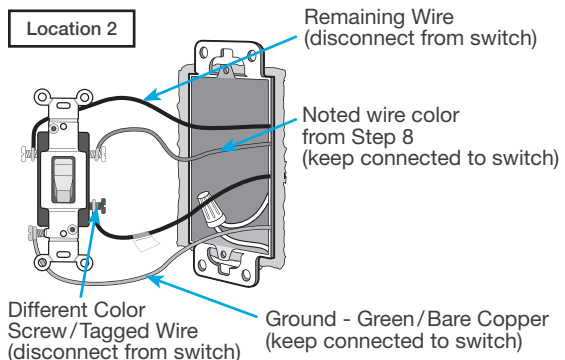
10 Attach the wallplate



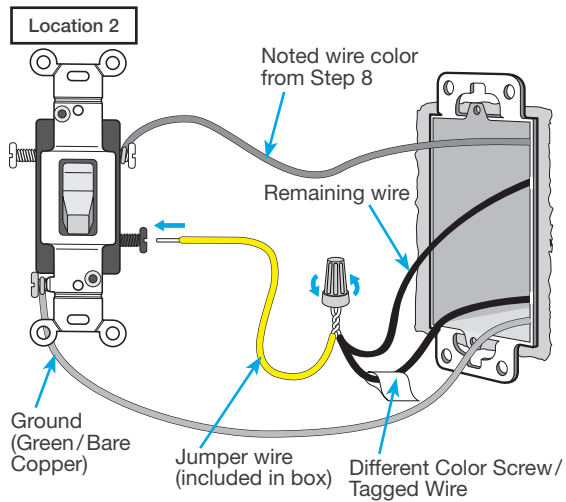
11 Remove existing toggle switch from wall at Location 2



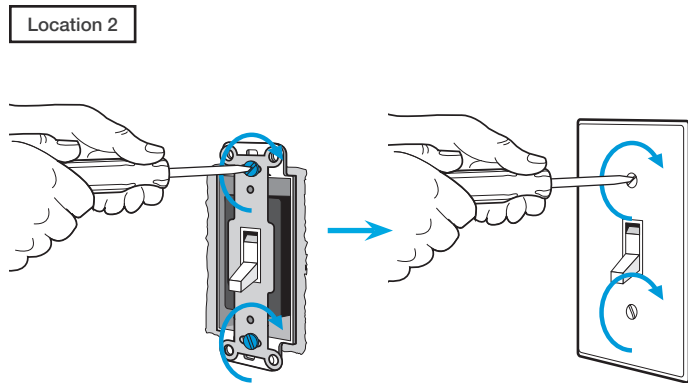
12a Modify wiring for existing toggle switch



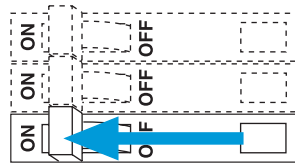
12b Modify wiring for existing toggle switch



13 Remount existing switch



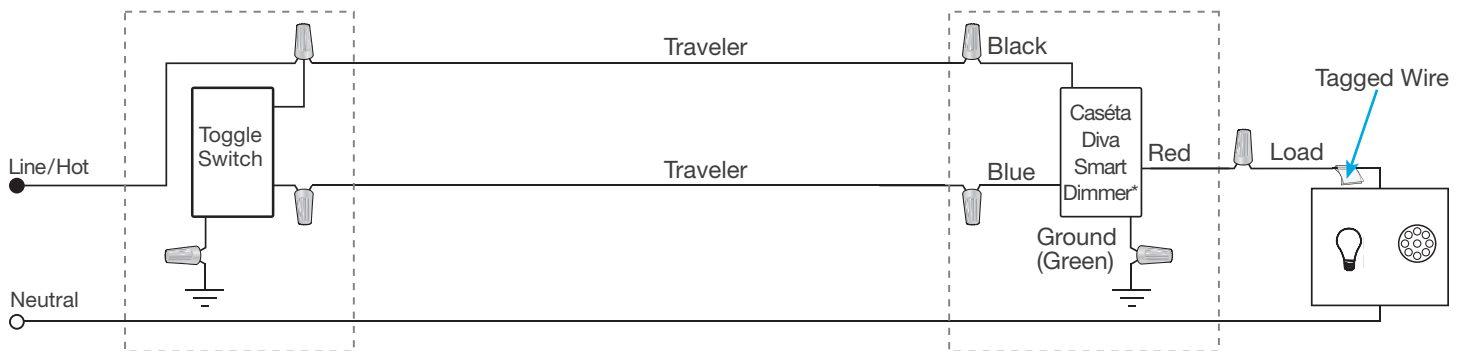
14 Turn power on at circuit breaker



Important note: Pico remote control (optional)

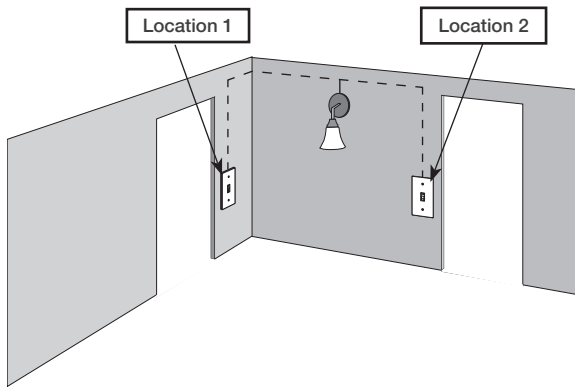
If you would like to pair a Pico remote control to the Caséta Diva Smart dimmer, please follow the procedure described in the quick-start guide that came with your dimmer.

Schematic Diagram



* Dimmer may be installed in either location.

1 Identify existing wiring



Two switches control the lights (3-way installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If three or more switches control the lights (multi-location installation) See [page 93](#) and [page 103](#) for details

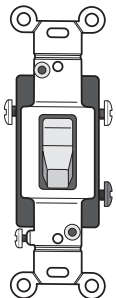
2 What you need for a 3-way installation



Claro Smart switch
DVRF-5NS



Claro wallplate
CW-1

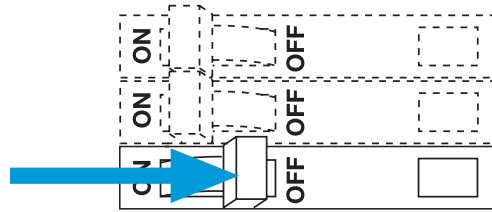


Existing mechanical
toggle switch

3 Choose a location for your Caséta Claro Smart switch

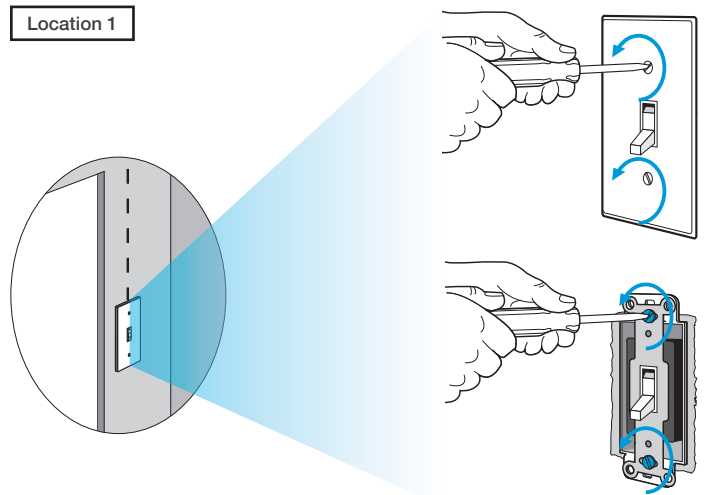
Choose which location you want the Caséta Claro Smart switch installed in. This will be Location 1.

4 Turn power off at circuit breaker

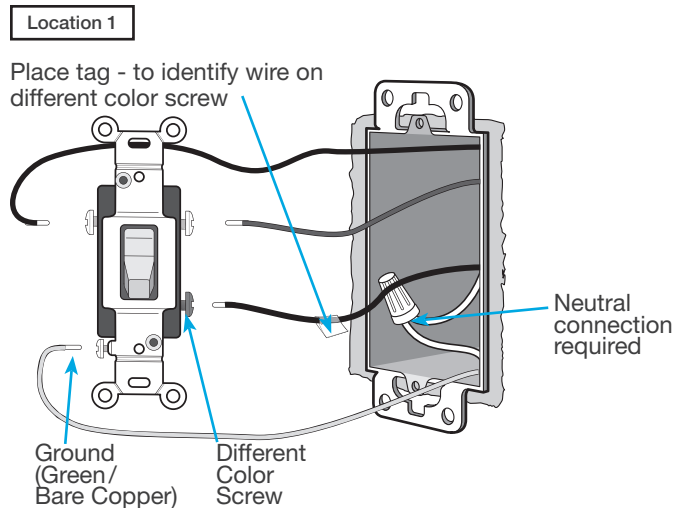


WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

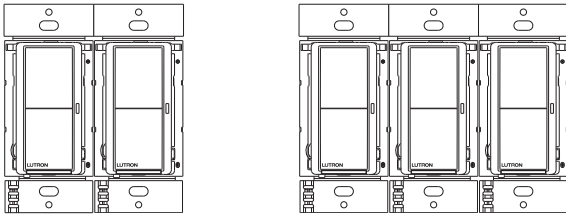
5 Remove existing switch from wall



6 Tag and disconnect wires from the existing switch



7 Ganging and derating



Note: Claro Smart controls don't have fins but derating is still required. See the chart below.

Important note:

Ganging units together may reduce the switch's maximum wattage rating. See the chart below for maximum wattage information.

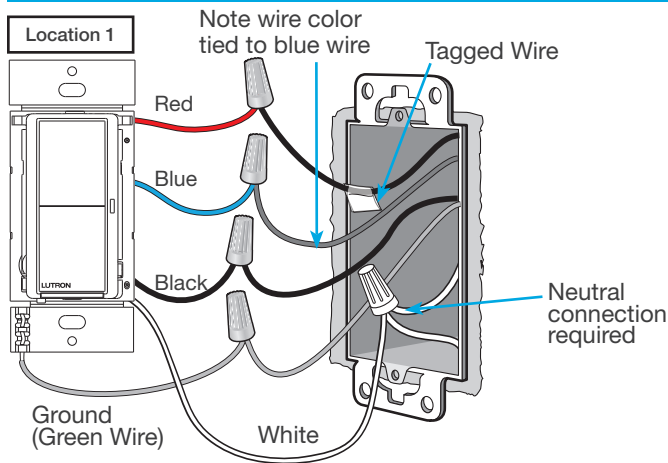
DVRF-5NS (120 V~)¹			
LED	5 A	5 A	5 A
Halogen/ incandescent	600 W	600 W	600 W
Electronic Low-Voltage	600 VA	600 VA	600 VA
Magnetic Low-Voltage ²	600 VA	600 VA	600 VA
Fluorescent ³	5 A	5 A	5 A
General Purpose Fan	3 A	3 A	3 A

¹ Neutral required.

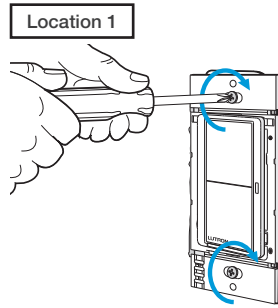
² The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the switch.

³ The switch is UL_® Listed for use with all magnetic and electronic fluorescent ballasts.

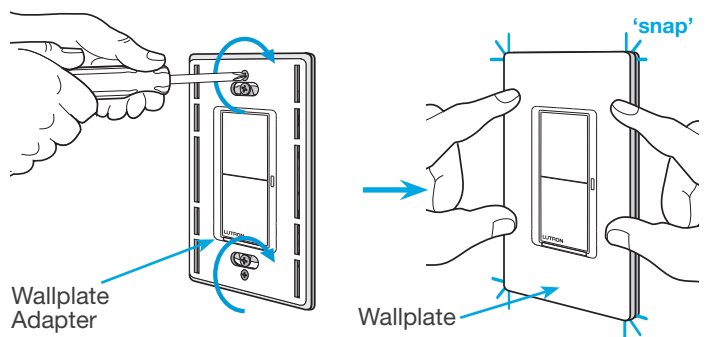
8 Connect the new Caséta Claro Smart switch



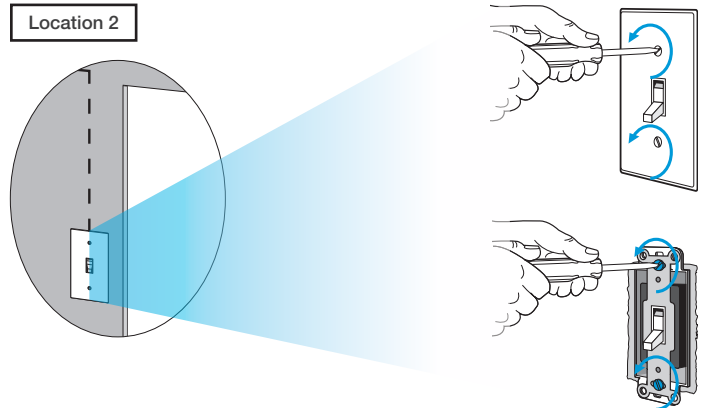
9 Mount the Caséta Claro Smart switch



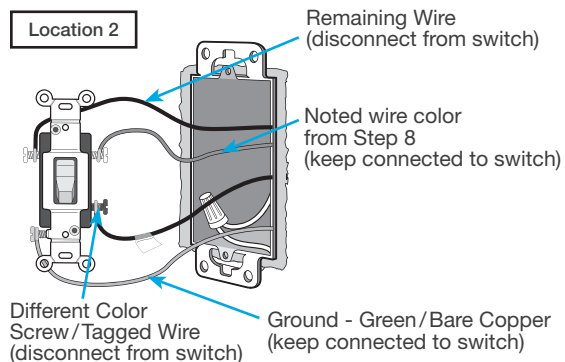
10 Attach the wallplate



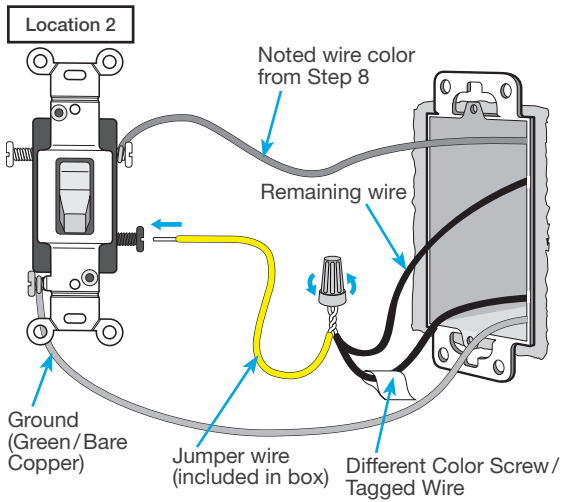
11 Remove existing toggle switch from wall at Location 2



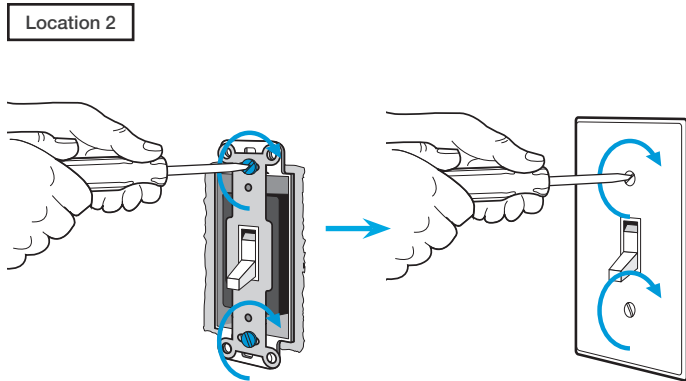
12a Modify wiring for existing toggle switch



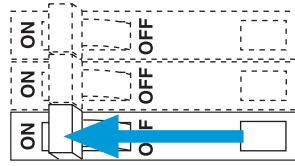
12b Modify wiring for existing toggle switch



13 Remount existing switch



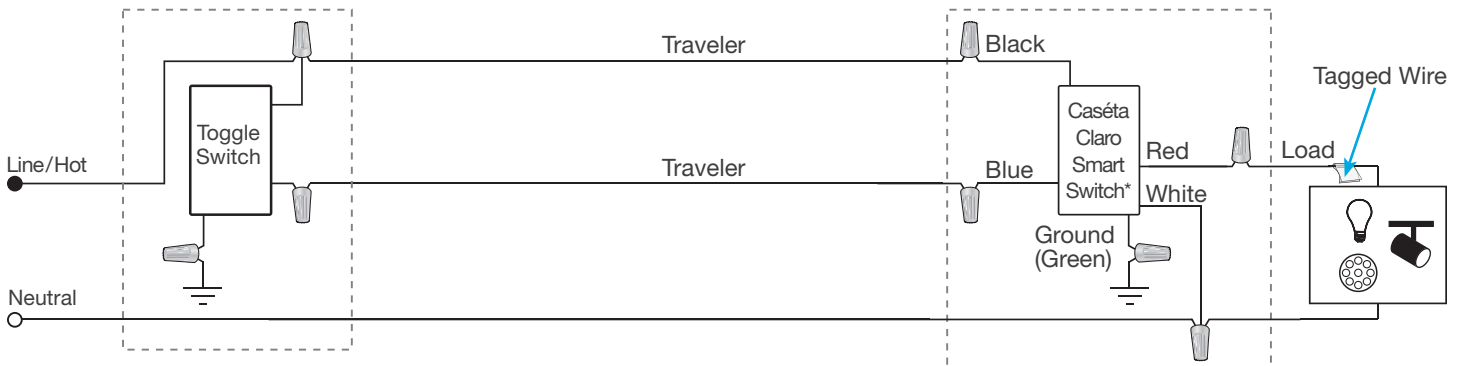
14 Turn power on at circuit breaker



Important note: Pico remote control (optional)

If you would like to pair a Pico remote control to the Caséta Claro Smart switch, please follow the procedure described in the quick-start guide that came with your switch.

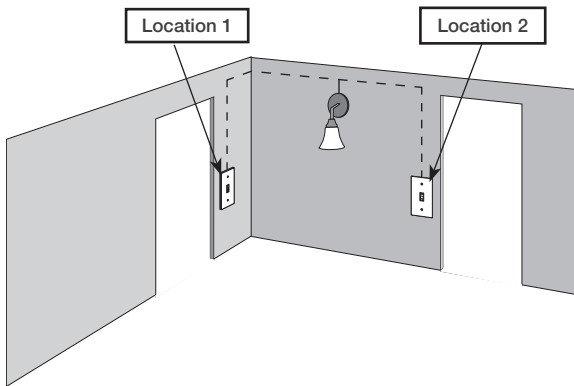
Schematic Diagram



* Switch may be installed in either location.

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

1 Identify existing wiring



Two switches control the lights (3-way installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your dimmer
- If three or more switches control the lights (multi-location installation) See [page 88](#) and [page 98](#) for details

2 What you need for a 3-way installation



Diva Smart dimmer
DVRF-6L

+



Claro Smart accessory switch
DVRF-AS

+

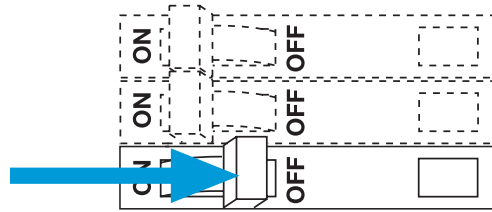


Two Claro wallplates
CW-1

3 Choose a location for your Caséta Diva Smart dimmer

Choose which location you want the Caséta Diva Smart dimmer installed in. This will be Location 1.

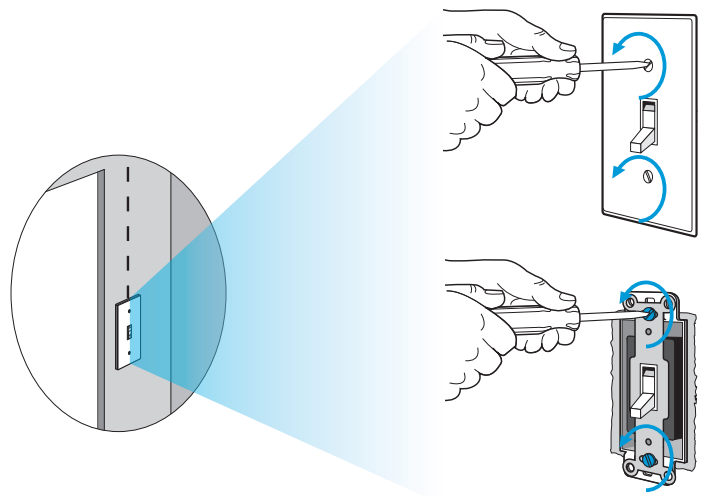
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

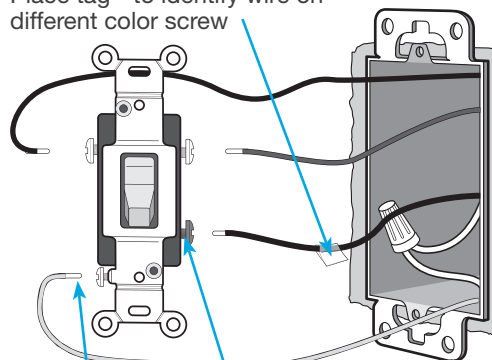
Location 1



6 Tag and disconnect wires from the existing switch

Location 1

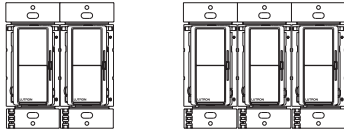
Place tag - to identify wire on different color screw



Ground
(Green/
Bare Copper)

Different
Color
Screw

7 Ganging and derating



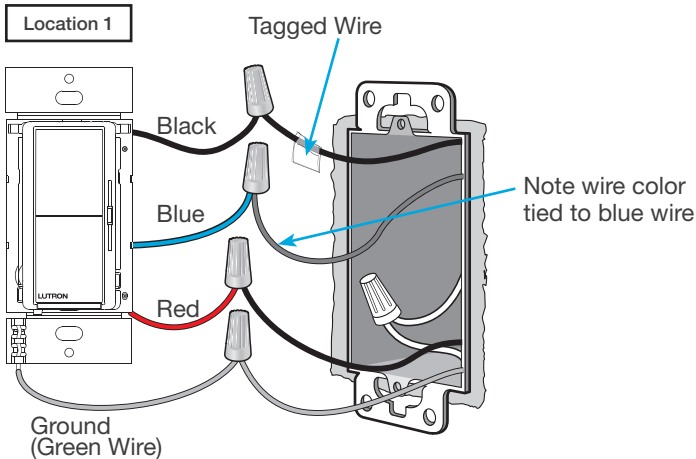
Note: Diva Smart models don't have fins but derating is still required. See the chart below.

Important note:

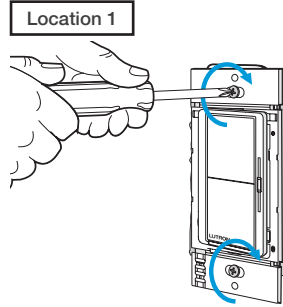
Ganging units together may reduce the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

Total Dimmable LED Wattage	Incandescent/Halogen Total Wattage		
	A	B	C
0 W	+ 600 W	500 W	400 W
1 W - 25 W	+ 500 W	400 W	300 W
26 W - 50 W	+ 400 W	300 W	200 W
51 W - 75 W	+ 300 W	200 W	100 W
76 W - 100 W	+ 200 W	100 W	50 W
101 W - 125 W	+ 100 W	50 W	0 W
126 W - 150 W	+ 0 W	0 W	0 W

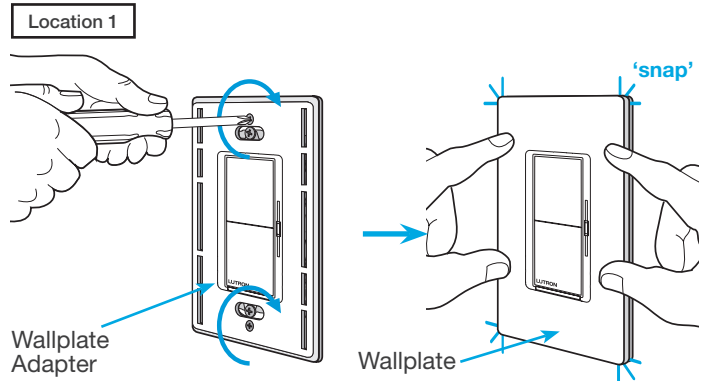
8 Connect the Caséta Diva Smart dimmer



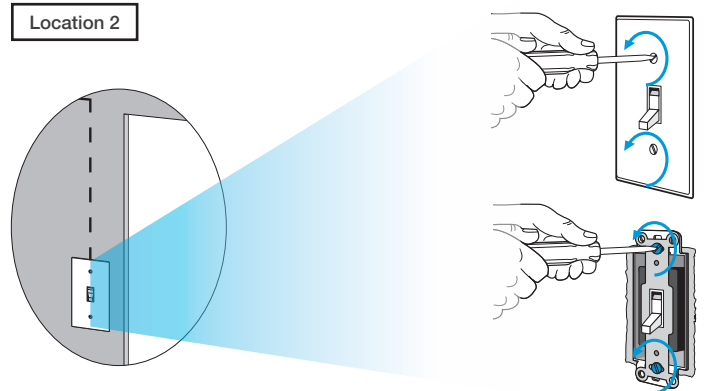
9 Mount the Caséta Diva Smart dimmer



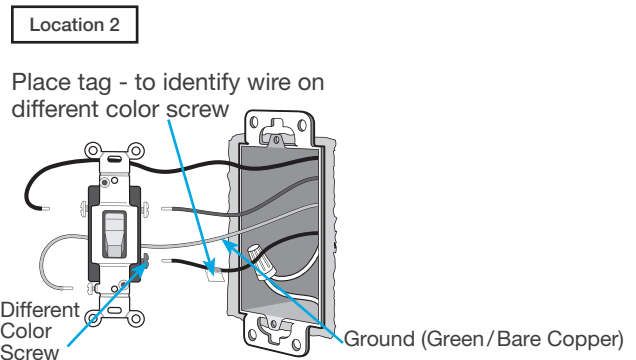
10 Attach the wallplate



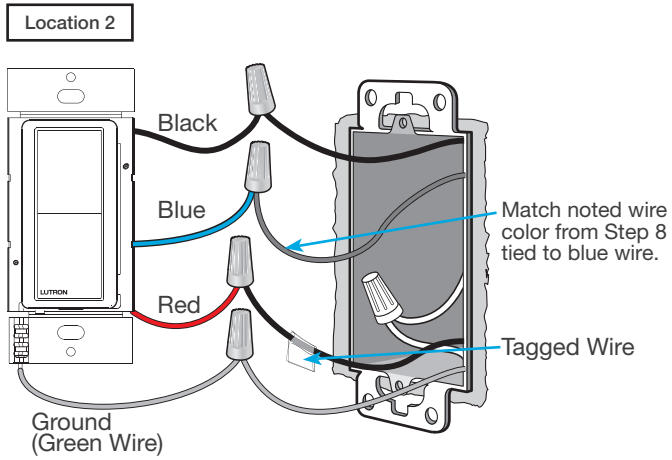
11 Remove existing switch from wall at Location 2



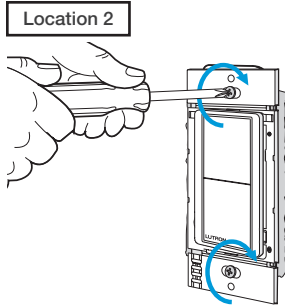
12 Tag and disconnect wires from the switch



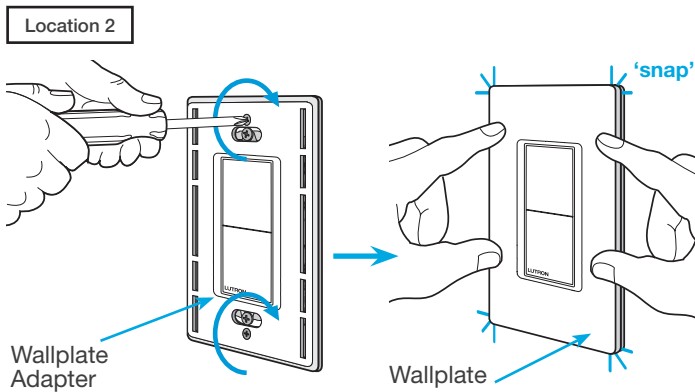
13 Connect the Claro Smart accessory switch



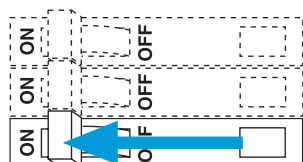
14 Mount the Claro Smart accessory switch



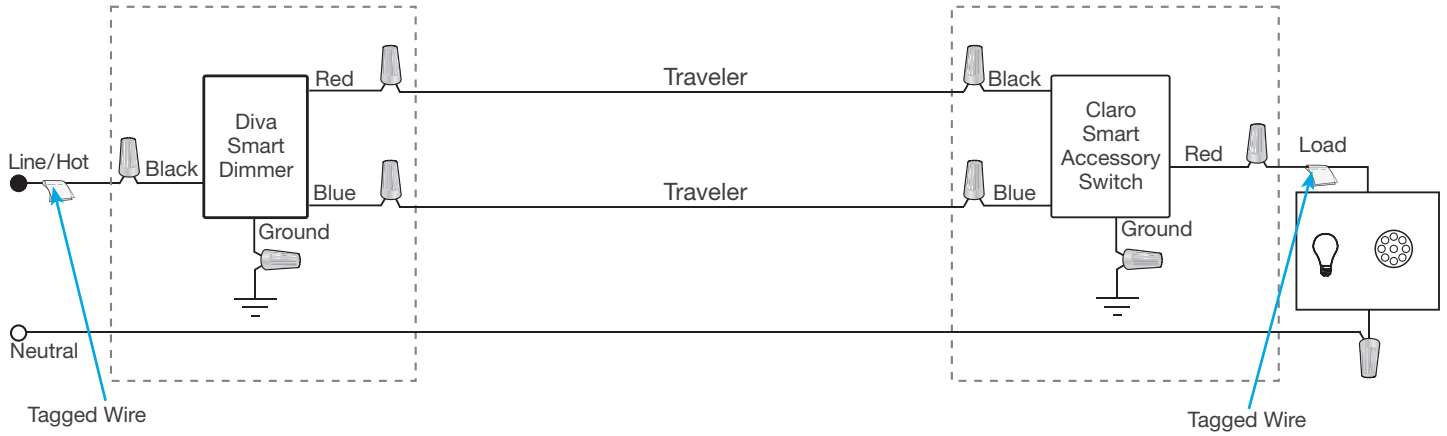
15 Attach the wallplate



16 Turn power on at circuit breaker

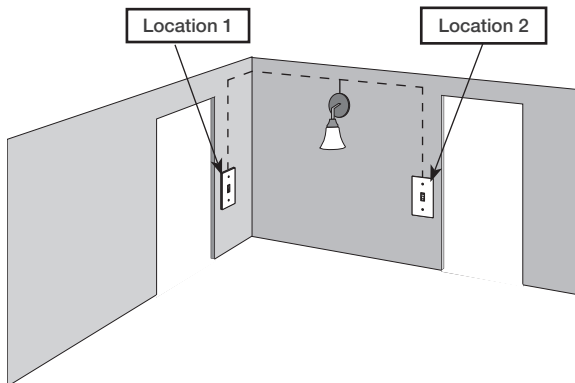


Schematic Diagram



Note: When using Claro Smart Accessory Switches in a 3-way installation with a Diva Smart dimmer, the Black and Red wires are reversible.

1 Identify existing wiring



Two switches control the lights (3-way installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If three or more switches control the lights (multi-location installation) See [page 93](#) and [page 103](#) for details

2 What you need for a 3-way installation



Claro Smart switch
DVRF-5NS

+



Claro Smart accessory switch
DVRF-AS

+

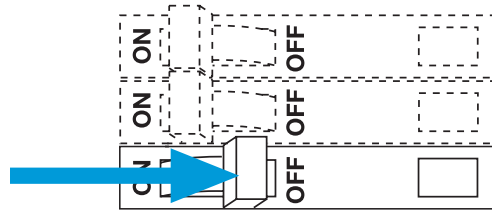


Two Claro wallplates
CW-1

3 Choose a location for your Caséta Claro Smart switch

Choose which location you want the Caséta Claro Smart switch installed in. This will be Location 1.

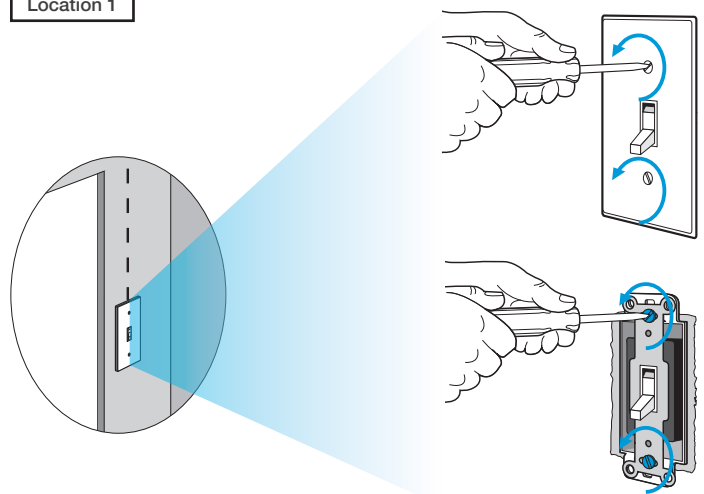
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

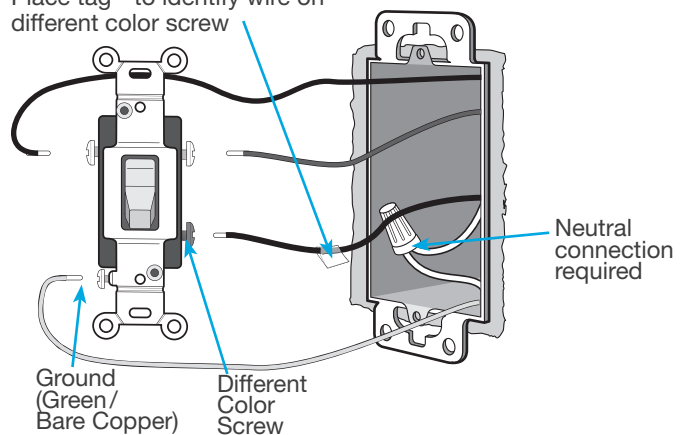
Location 1



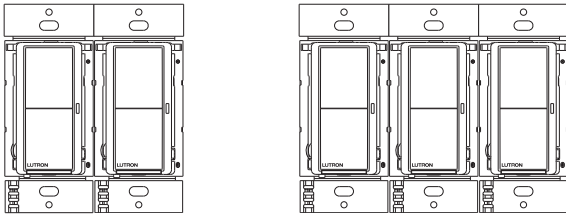
6 Tag and disconnect wires from the existing switch

Location 1

Place tag - to identify wire on different color screw



7 Ganging and derating



Note: Claro Smart models don't have fins but derating is still required. See the chart below.

Important note:

Ganging units together may reduce the switch's maximum wattage rating. See the chart below for maximum wattage information.

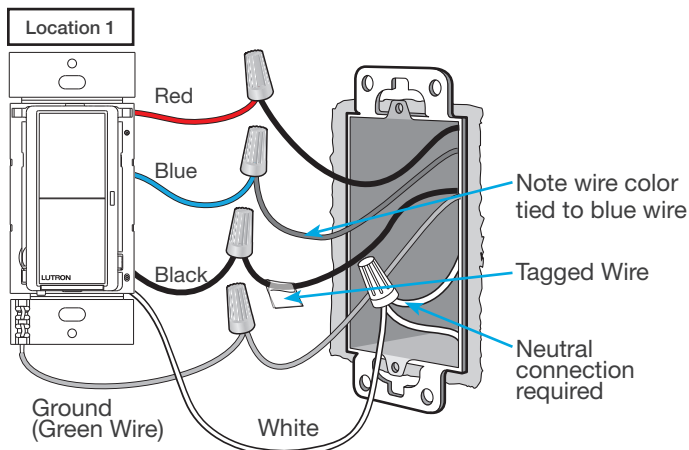
DVRF-5NS (120 V~) ¹	A	B	C
LED	5 A	5 A	5 A
Halogen/incandescent	600 W	600 W	600 W
Electronic Low-Voltage	600 VA	600 VA	600 VA
Magnetic Low-Voltage ²	600 VA	600 VA	600 VA
Fluorescent ³	5 A	5 A	5 A
General Purpose Fan	3 A	3 A	3 A

¹ Neutral required.

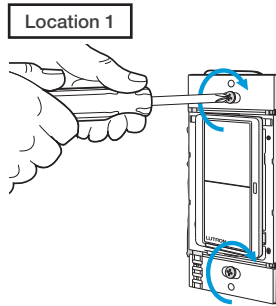
² The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the switch.

³ The switch is UL Listed for use with all magnetic and electronic fluorescent ballasts.

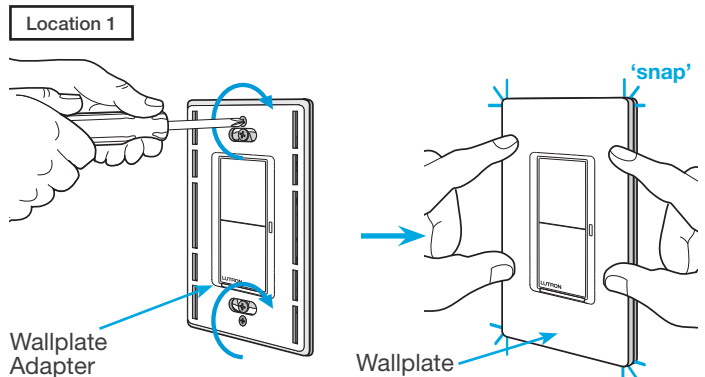
8 Connect the new Caséta Claro Smart switch



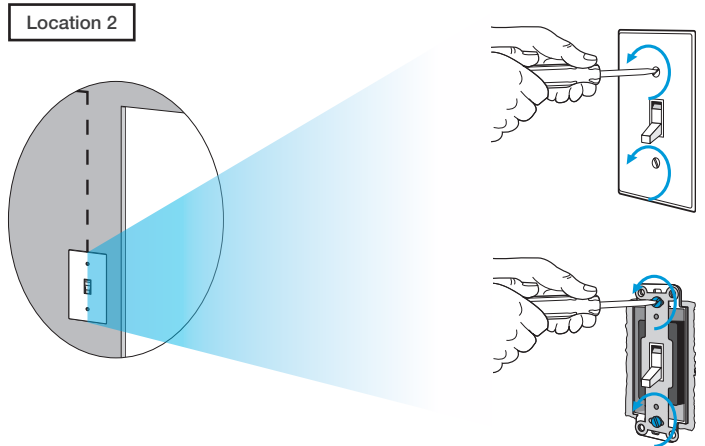
9 Mount the Caséta Claro Smart switch



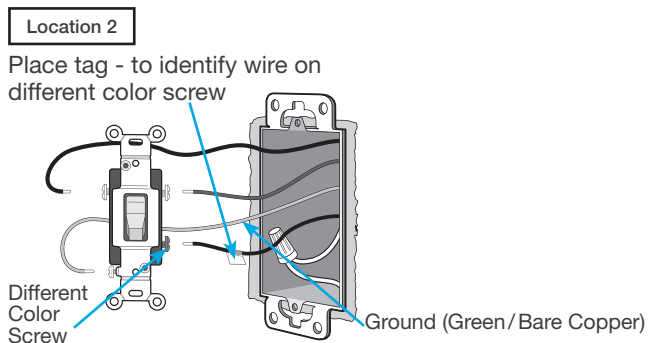
10 Attach the wallplate



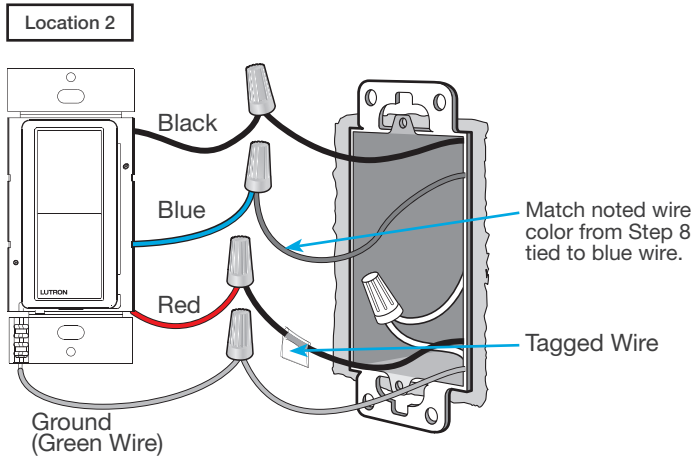
11 Remove existing switch from wall at Location 2



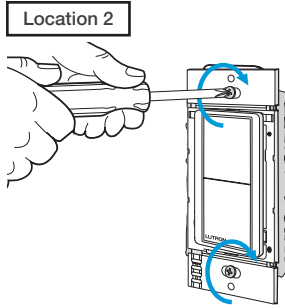
12 Tag and disconnect wires from the existing switch



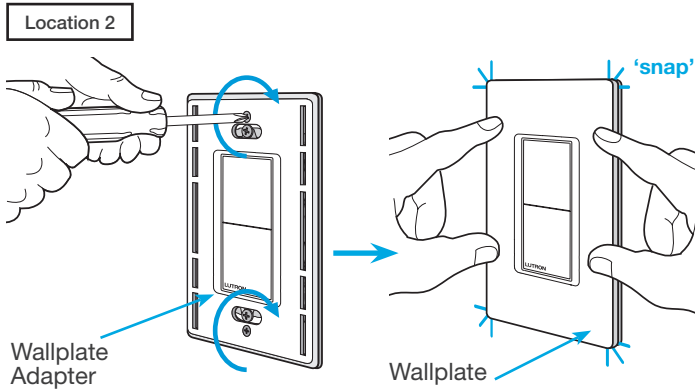
13 Connect the Claro Smart accessory switch



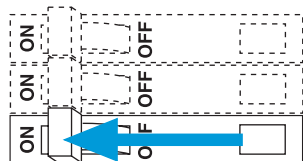
14 Mount the Claro Smart accessory switch



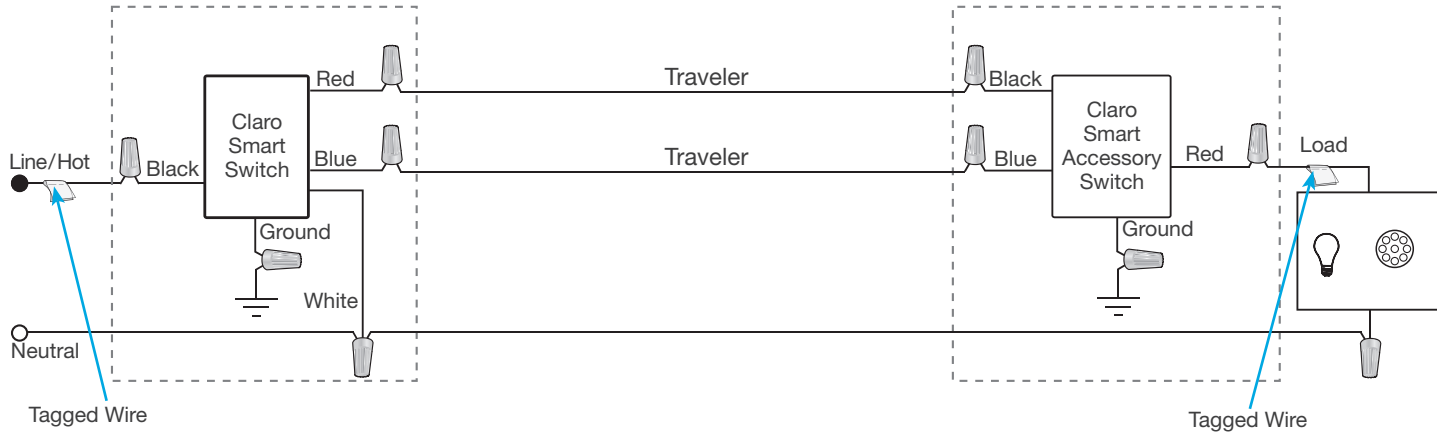
15 Attach the wallplate



16 Turn power on at circuit breaker



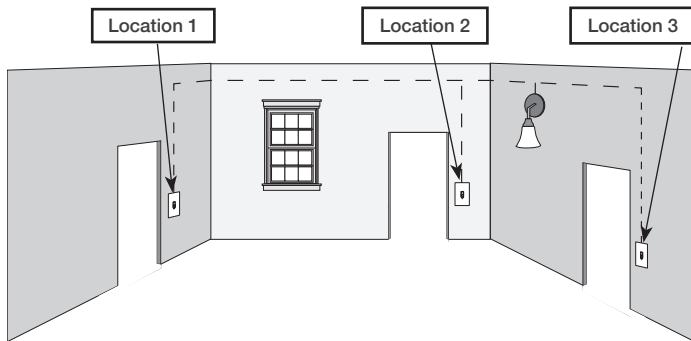
Schematic Diagram



* Switch may be installed in either location.

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

1 Identify existing wiring



Three or more switches control the lights (multi-location installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your dimmer
- If two switches control the lights (3-way installation) See [page 3](#) for details

2 What you need for a multi-location installation



Dimmer
PD-6WCL or P-PKG1W



Claro wallplate
CW-1

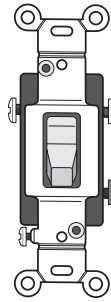


Two Pico remote controls with wall-mounting kits
PJ2-WALL

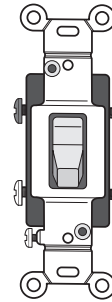


3 Choose a location for your Caséta Wireless dimmer

NOTE: There will be two different types of existing switches in this application. Locations 1 and 3 will use 3-way switches (three screws which control the lights, plus one ground screw) and Location 2 will use a 4-way switch (four screws which control the lights, plus one ground screw). For easiest installation, we recommend replacing one of the 3-way switches with your dimmer (Locations 1 or 3). In this example, we will use Location 1.

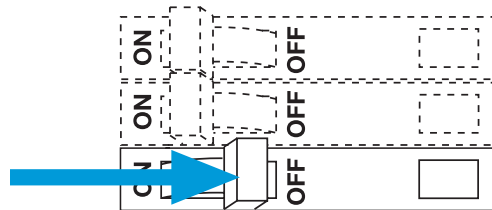


3-Way Switch
(Locations 1 and 3)



4-Way Switch
(Location 2)

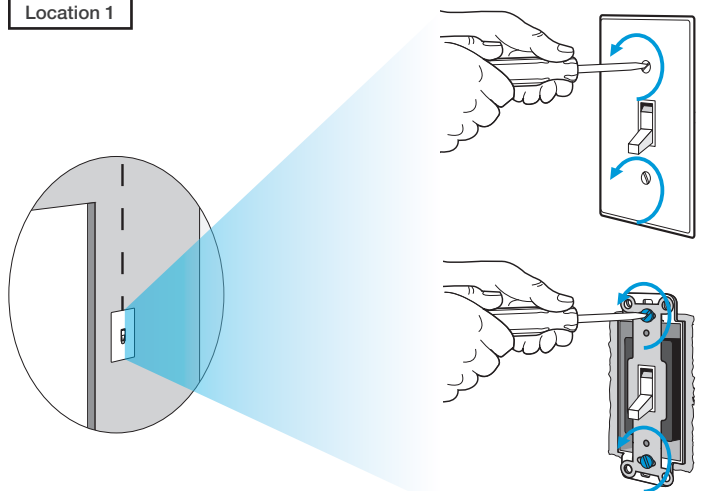
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall at Location 1

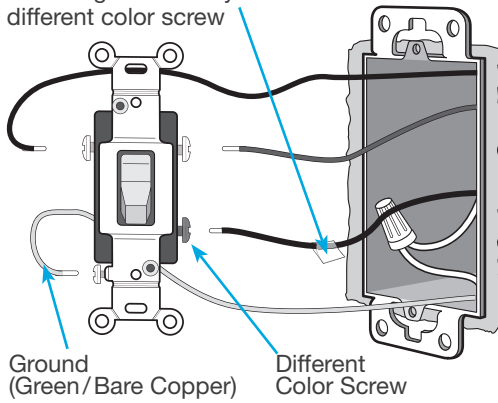
Location 1



6 Tag and disconnect wires from the existing switch

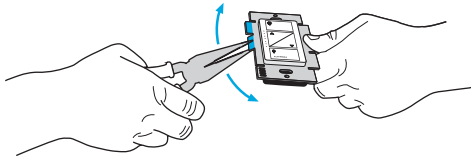
Location 1

Place tag - to identify wire on different color screw

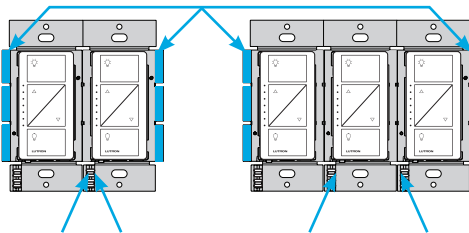


7 Remove side sections (if necessary)

When installing more than one Caséta Wireless dimmer in the same wallbox, it is necessary to remove inner side sections prior to wiring. See image and chart below for more information.



Do not remove outside side sections on dimmers at the end of gang.



Each dimmer has inside side sections removed.

Dimmer in the middle has all side sections removed.

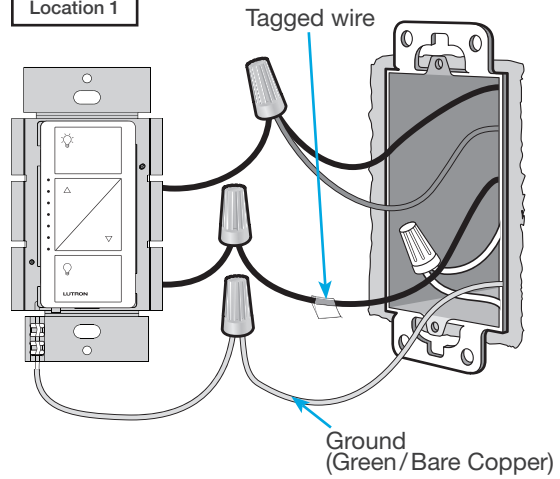
Important note:

Removing side sections reduces the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

Total Dimmable LED Wattage	Incandescent/Halogen Total Wattage		
	A	B	C
0 W	+ 600 W	500 W	400 W
1 W – 25 W	+ 500 W	400 W	300 W
26 W – 50 W	+ 400 W	300 W	200 W
51 W – 75 W	+ 300 W	200 W	100 W
76 W – 100 W	+ 200 W	100 W	50 W
101 W – 125 W	+ 100 W	50 W	0 W
126 W – 150 W	+ 0 W	0 W	0 W

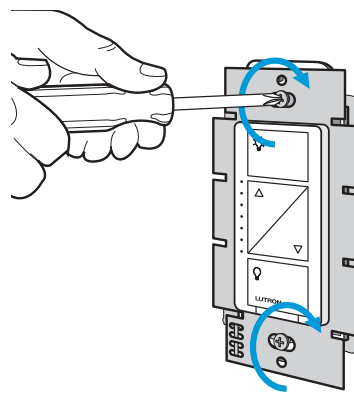
8 Connect the new Caséta Wireless dimmer

Location 1



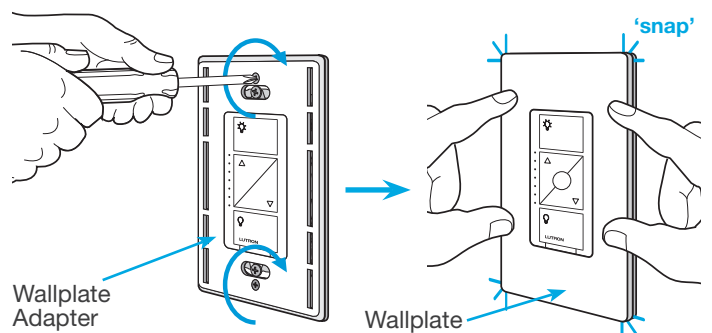
9 Mount the Caséta Wireless dimmer

Location 1



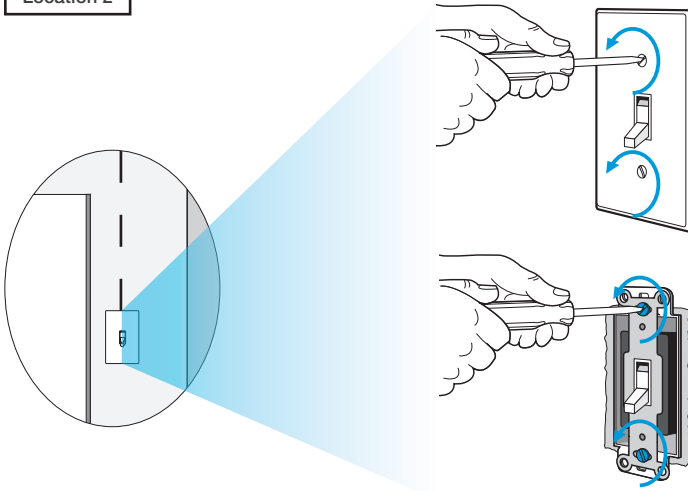
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

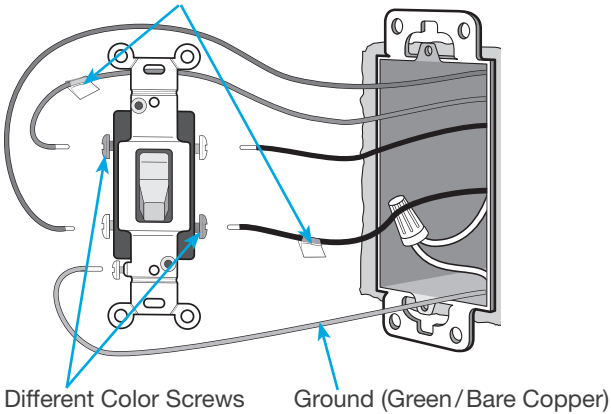
Location 2



12 Tag and disconnect wires from the existing switch

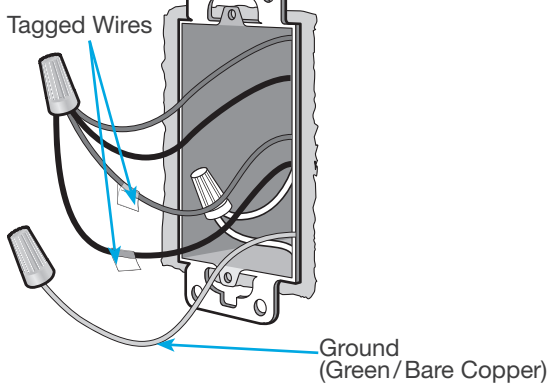
Location 2

Place tags - to identify wires on different color screws



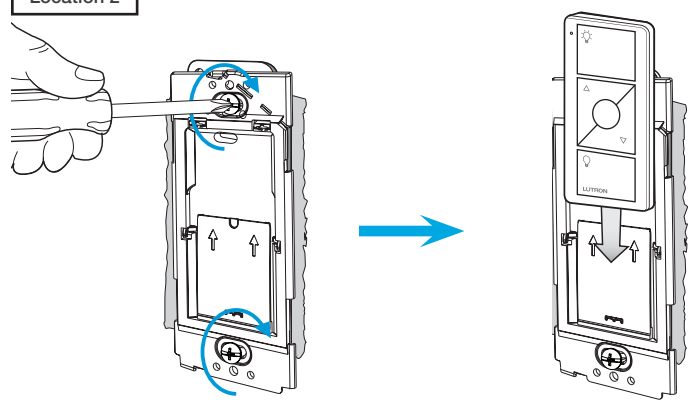
13 Connect the wires

Location 2



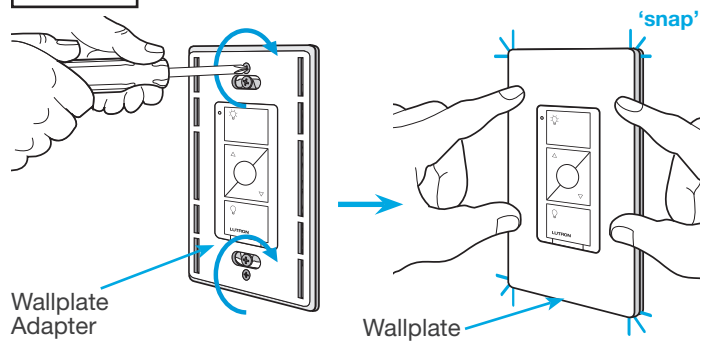
14 Attach the wallplate bracket and Pico remote control

Location 2



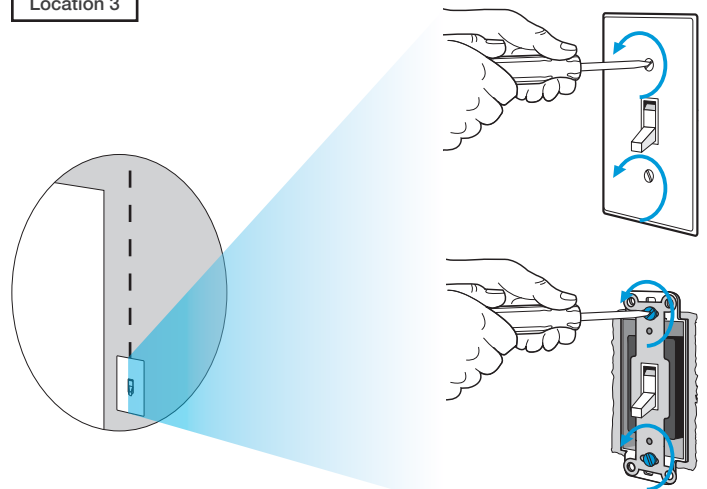
15 Attach the wallplate

Location 2

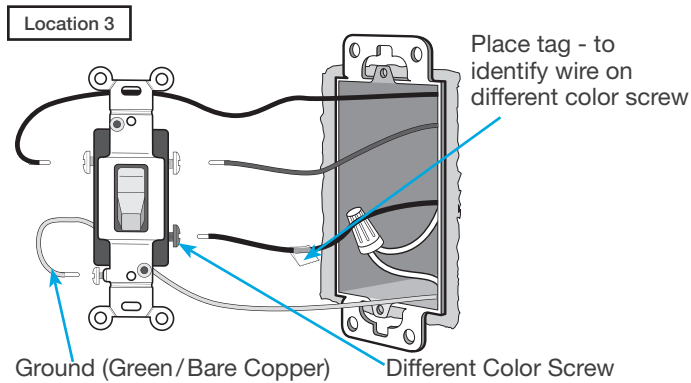


16 Remove existing switch from wall at Location 3

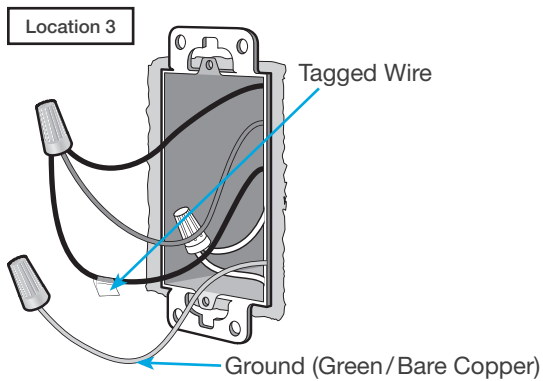
Location 3



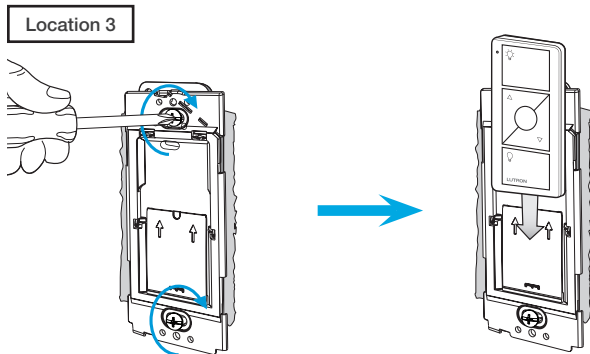
17 Tag and disconnect wires from the existing switch



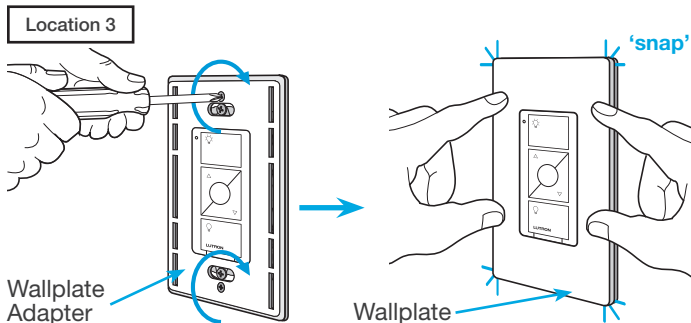
18 Connect the wires



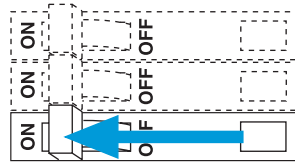
19 Attach the wallplate bracket and Pico remote control



20 Attach the wallplate

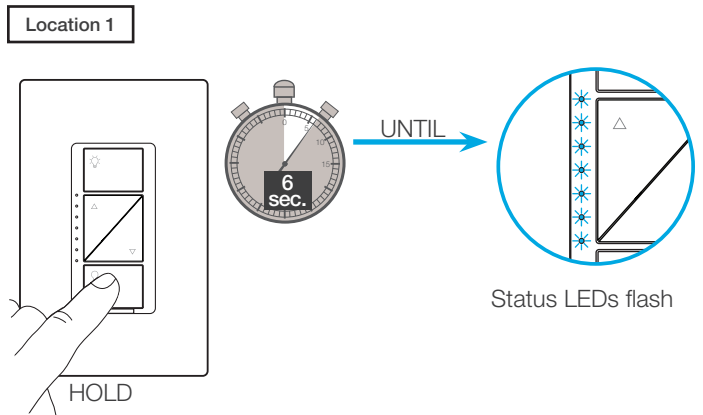


21 Turn power on at circuit breaker

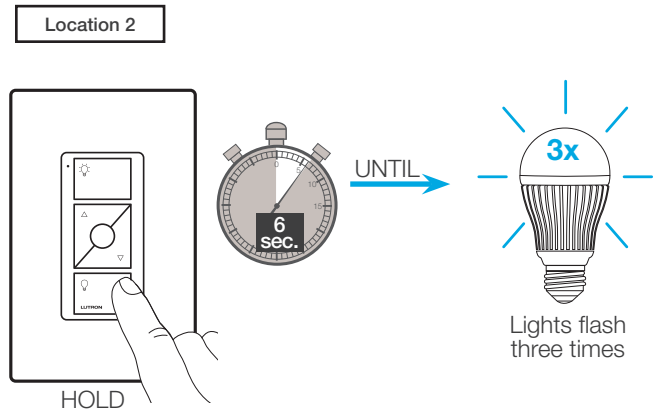


Pairing the dimmer and Pico remote controls

22 Press and hold "Off" button on dimmer



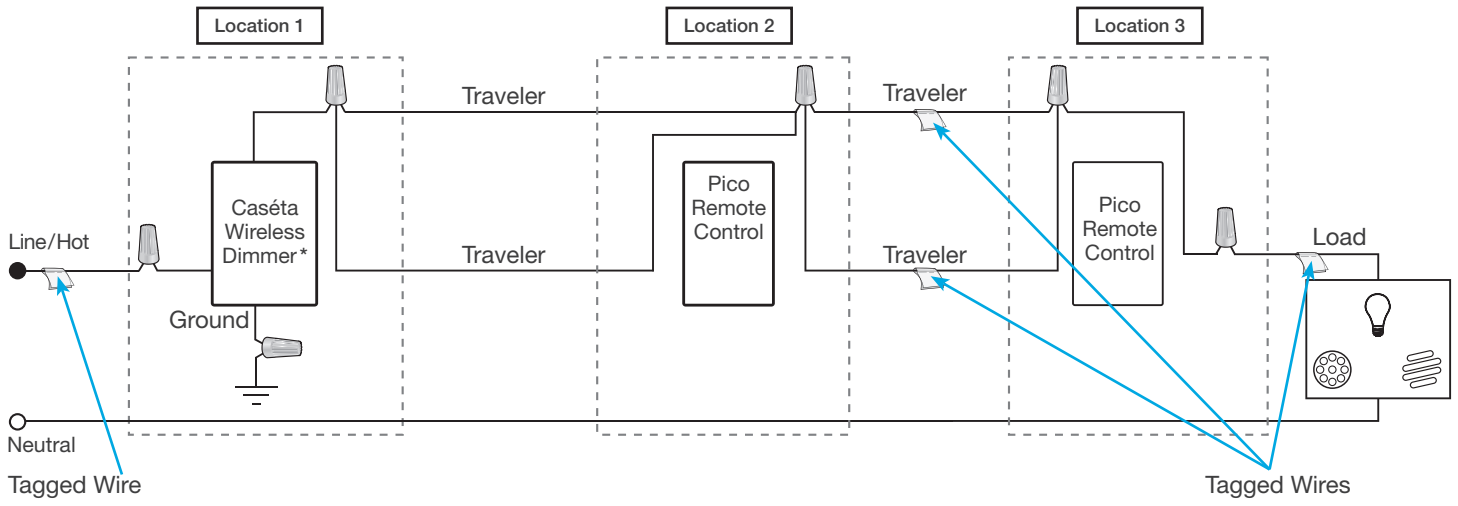
23 Press and hold "Off" button on remote control



24 Repeat for remote control at Location 3

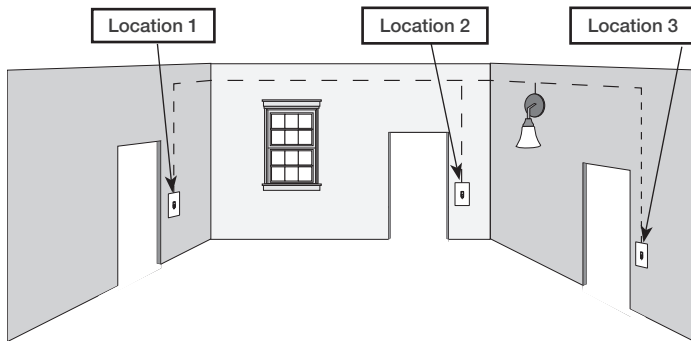
Repeat steps 22 and 23 to pair remote control at Location 3.

Schematic Diagram



* It is recommended to install dimmer in either Location 1 or 3.

1 Identify existing wiring

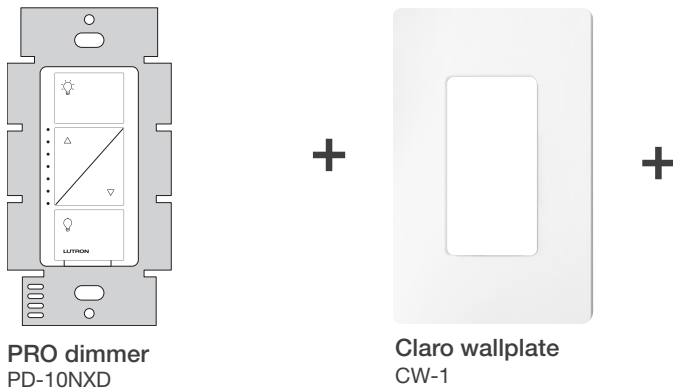


Three or more switches control the lights (multi-location installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your dimmer
- If two switches control the lights (3-way installation) See [page 11](#) or [page 38](#) for details

2 What you need for a multi-location installation



PRO dimmer PD-10NXD

Claro wallplate CW-1

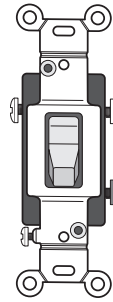


Two Pico remote controls with wall-mounting kits PJ2-WALL

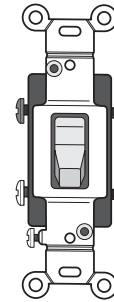


3 Choose a location for your Caséta Wireless dimmer

NOTE: There will be two different types of existing switches in this application. Locations 1 and 3 will use 3-way switches (three screws which control the lights, plus one ground screw) and Location 2 will use a 4-way switch (four screws which control the lights, plus one ground screw). For easiest installation, we recommend replacing one of the 3-way switches with your dimmer (Locations 1 or 3). In this example, we will use Location 1.

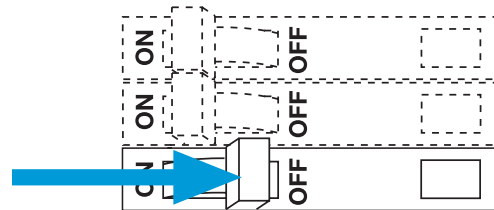


3-Way Switch (Locations 1 and 3)



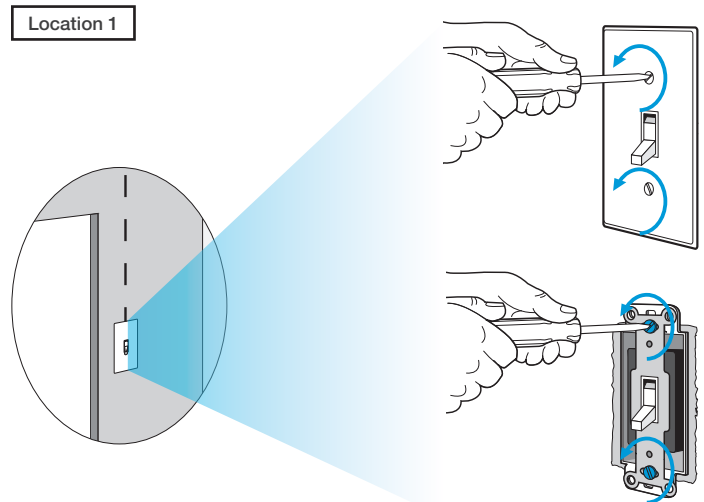
4-Way Switch (Location 2)

4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

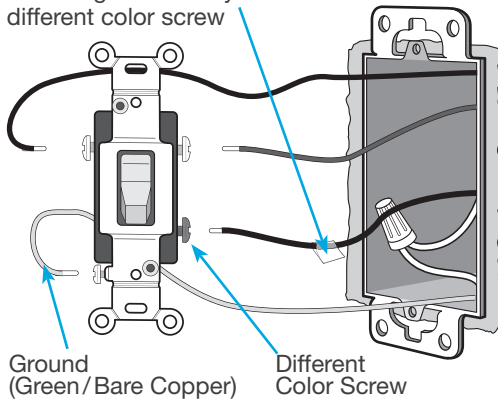
5 Remove existing switch from wall at Location 1



6 Tag and disconnect wires from the existing switch

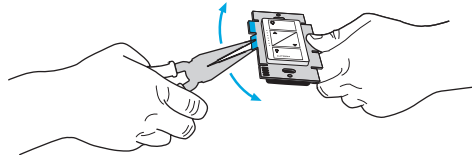
Location 1

Place tag - to identify wire on different color screw

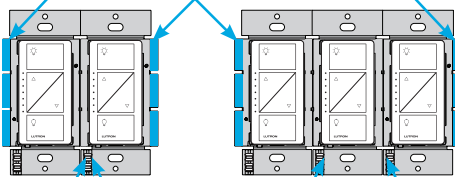


7 Remove side sections (if necessary)

When installing more than one Caséta Wireless dimmer in the same wallbox, it is necessary to remove inner side sections prior to wiring. See image and chart below for more information.



Do not remove outside side sections on dimmers at the end of gang.



Each dimmer has inside side sections removed.

Dimmer in the middle has all side sections removed.

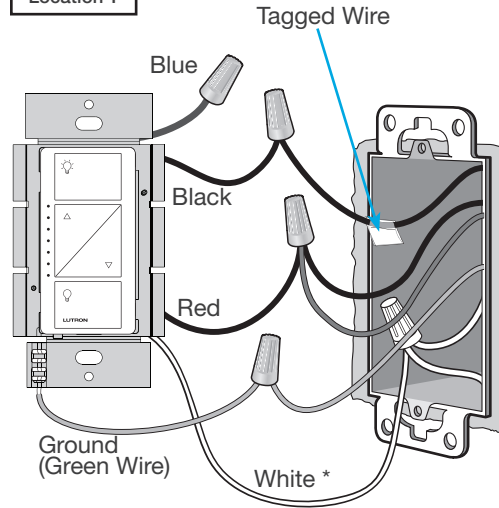
Important note:

Removing side sections reduces the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

Total Dimmable LED Wattage	Incandescent/Halogen Total Wattage		
	A	B	C
0 W	+ 1000 W	800 W	600 W
1 W - 25 W	+ 900 W	750 W	550 W
26 W - 50 W	+ 800 W	700 W	500 W
51 W - 75 W	+ 700 W	600 W	450 W
76 W - 100 W	+ 600 W	500 W	400 W
101 W - 125 W	+ 500 W	400 W	300 W
126 W - 150 W	+ 400 W	300 W	200 W
151 W - 175 W	+ 300 W	200 W	100 W
176 W - 200 W	+ 200 W	100 W	50 W
201 W - 225 W	+ 100 W	50 W	0 W
226 W - 250 W	+ 0 W	0 W	0 W

8 Connect the new Caséta Wireless dimmer

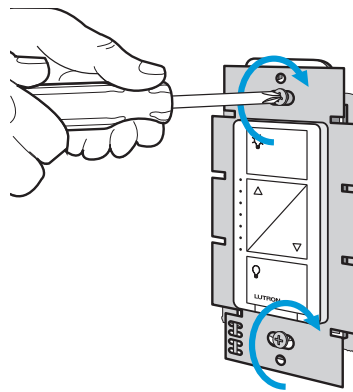
Location 1



* If available, connect the neutral wire from the wallbox to the white wire on the dimmer. If neutral is not available, cap the white wire with a wire connector. *Neutral required for: MLV loads, LED drivers, PHPM-PA, PHPM-3F, GRX-TVI.*

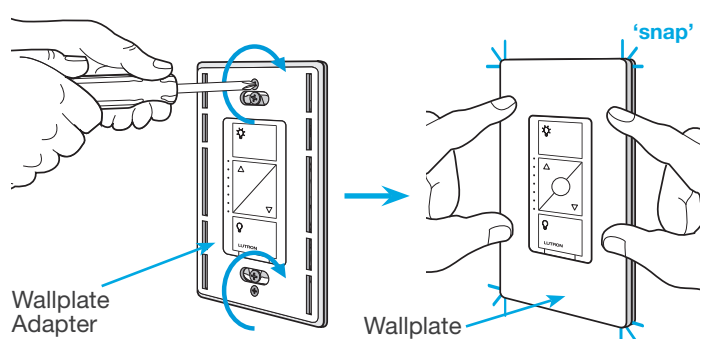
9 Mount the Caséta Wireless dimmer

Location 1



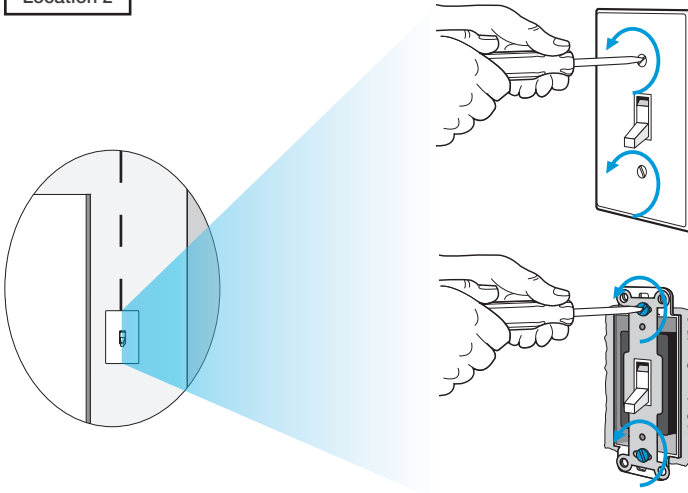
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

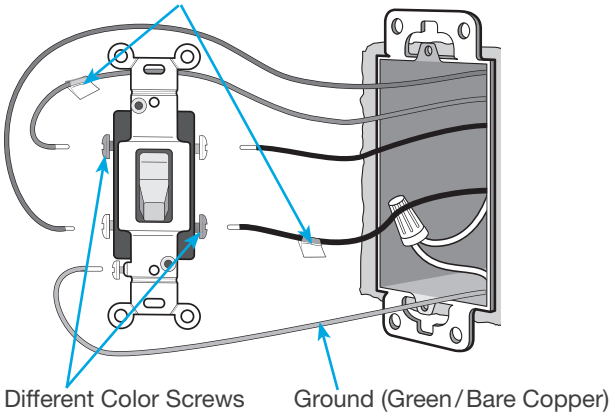
Location 2



12 Tag and disconnect wires from the existing switch

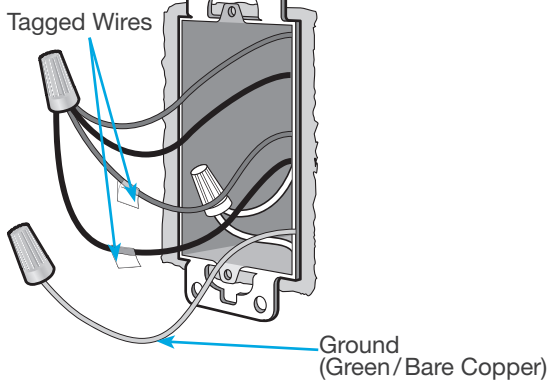
Location 2

Place tags - to identify wires on different color screws



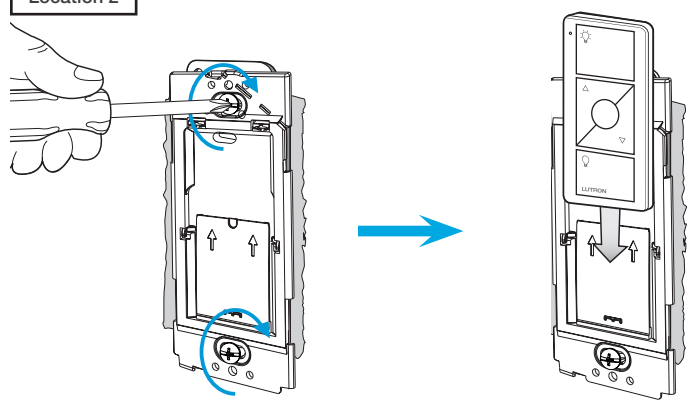
13 Connect the wires

Location 2



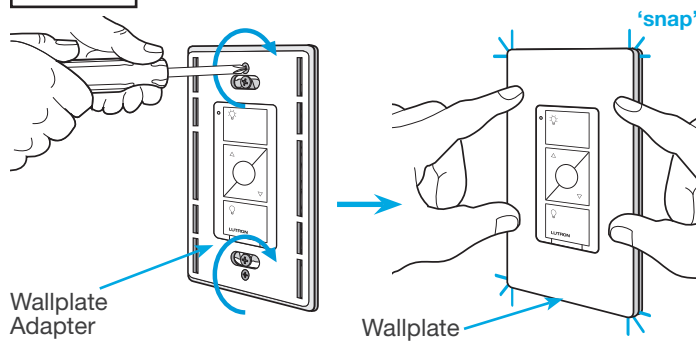
14 Attach the wallplate bracket and Pico remote control

Location 2



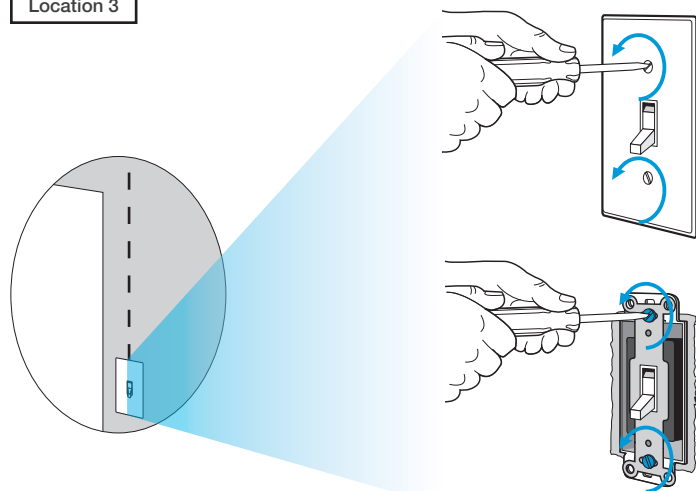
15 Attach the wallplate

Location 2

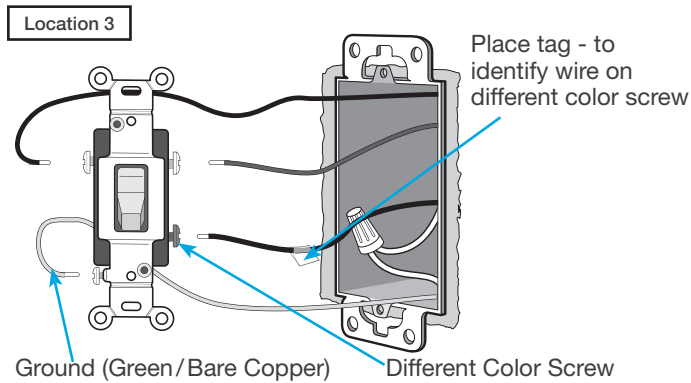


16 Remove existing switch from wall at Location 3

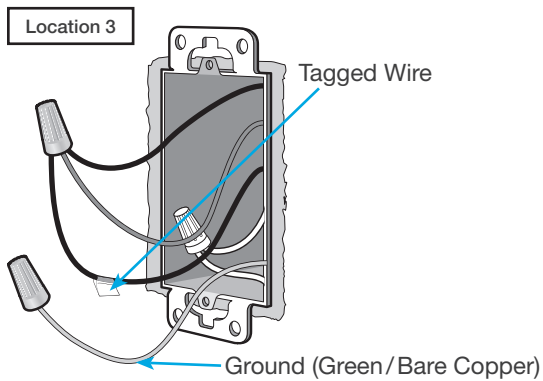
Location 3



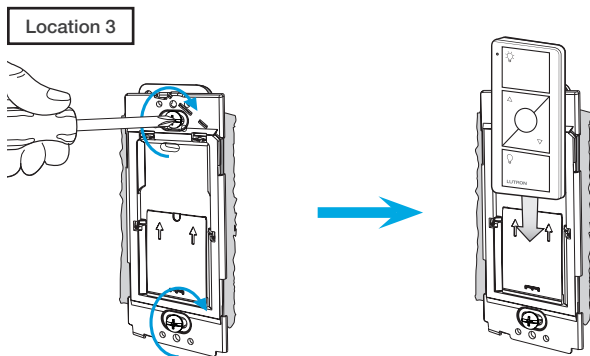
17 Tag and disconnect wires from the existing switch



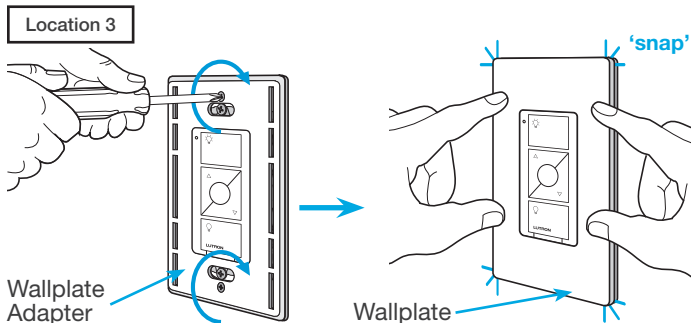
18 Connect the wires



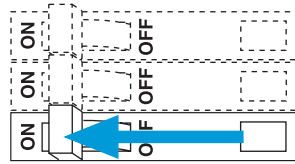
19 Attach the wallplate bracket and Pico remote control



20 Attach the wallplate

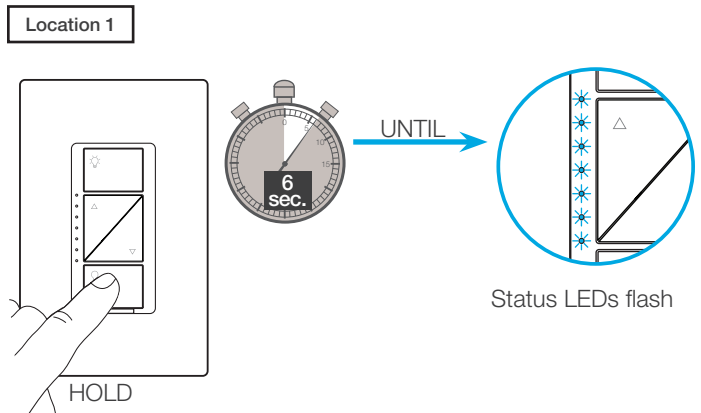


21 Turn power on at circuit breaker

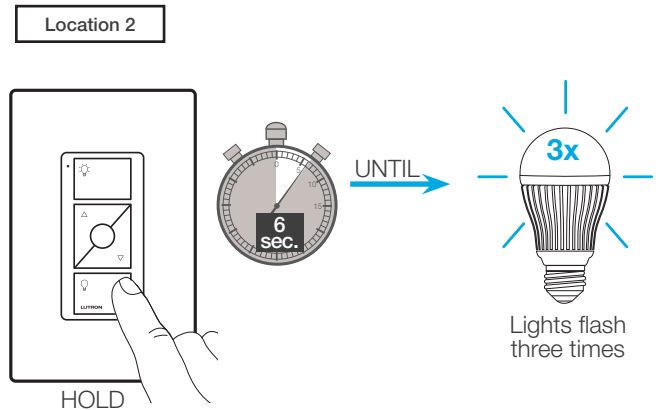


Pairing the dimmer and Pico remote controls

22 Press and hold "Off" button on dimmer



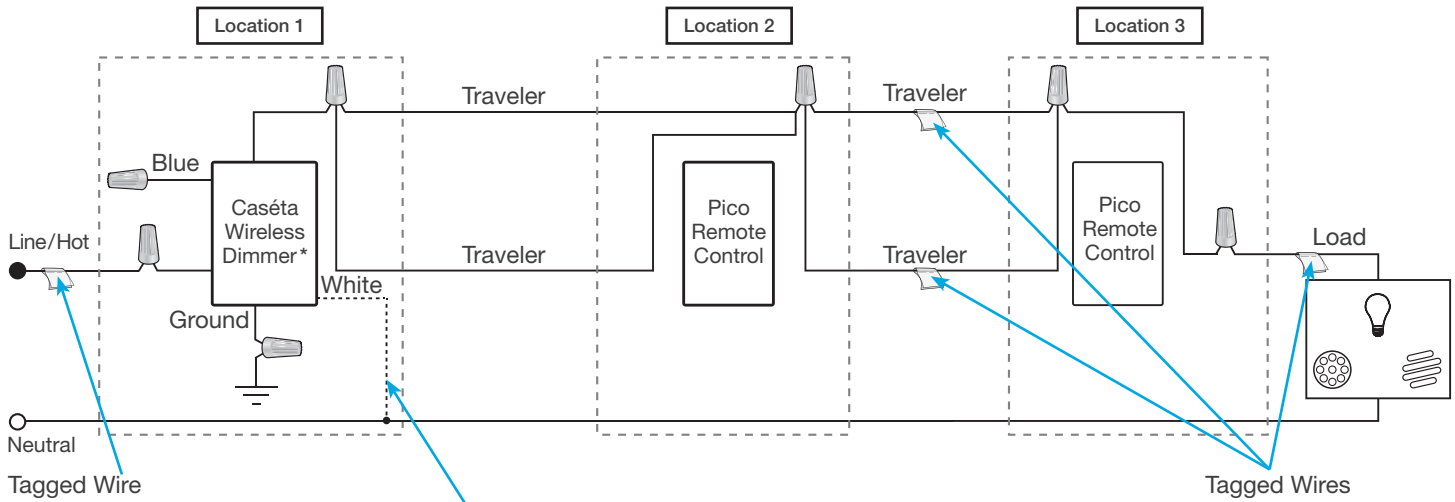
23 Press and hold "Off" button on remote control



24 Repeat for remote control at Location 3

Repeat steps 22 and 23 to pair remote control at Location 3.

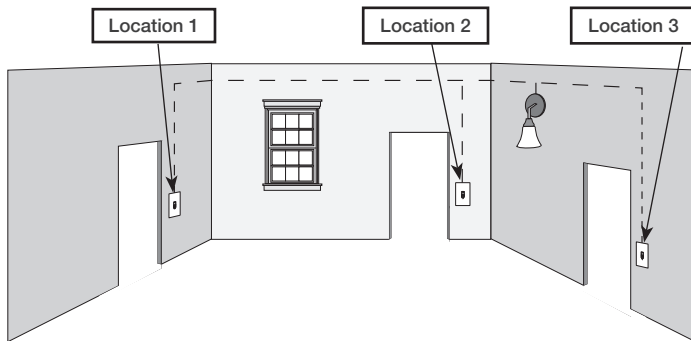
Schematic Diagram



* It is recommended to install dimmer in either Location 1 or 3.

If available, connect the neutral wire from the wallbox to the white wire on the dimmer. If neutral is not available, cap the white wire with a wire connector.
 Neutral required for: MLV loads, LED drivers, PHPM-PA, PHPM-3F, GRX-TVI.

1 Identify existing wiring



Three or more switches control the lights (multi-location installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If two switches control the lights (3-way installation) See [page 7](#) or [page 35](#) for details

2 What you need for a multi-location installation



Switch
PD-5WS-DV

+



Two Pico
remote controls
PJ2-2B

+



Two wallplate brackets
PICO-WBX-ADAPT

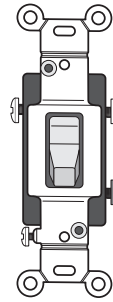
+



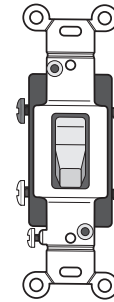
Three Claro wallplates
CW-1

3 Choose a location for your Caséta Wireless switch

NOTE: There will be two different types of existing switches in this application. Locations 1 and 3 will use 3-way switches (three screws which control the lights, plus one ground screw) and Location 2 will use a 4-way switch (four screws which control the lights, plus one ground screw). For easiest installation, we recommend replacing one of the 3-way switches with your Caséta Wireless switch (Locations 1 or 3). In this example, we will use Location 1.

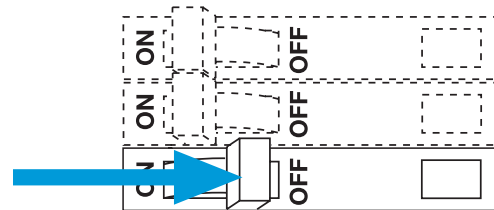


3-Way Switch
(Locations 1 and 3)



4-Way Switch
(Location 2)

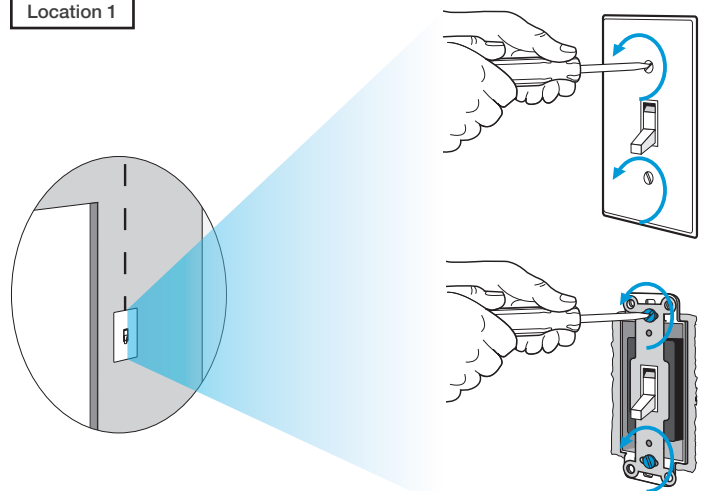
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall at Location 1

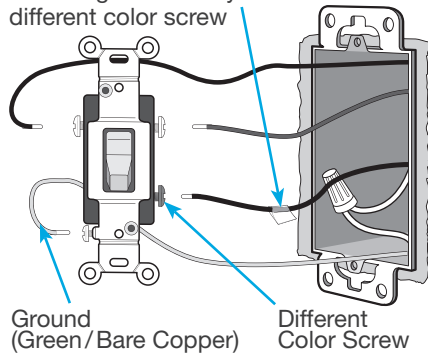
Location 1



6 Tag and disconnect wires from the existing switch

Location 1

Place tag - to identify wire on different color screw



7 Ganging and derating

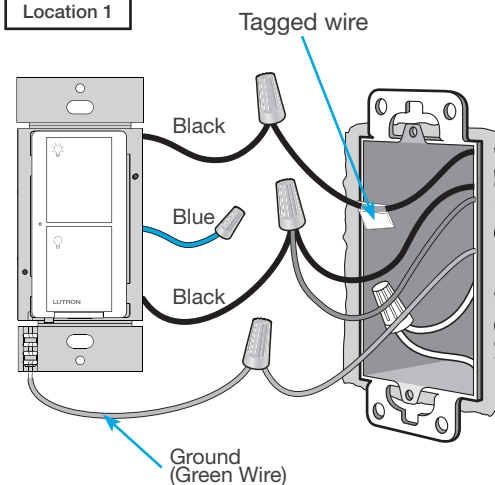
	A	B B	B C B
PD-5WS-DV (120 V~)	A	B	C
LED	5 A	4 A	3 A
Halogen/incandescent	600 W	450 W	350 W
Electronic Low-Voltage	600 W	450 W	350 W
Magnetic Low-Voltage ¹	600 VA/475 W	450 VA/350 W	350 VA/275 W
Fluorescent ²	5 A	4 A	3 A
General Purpose Fan	3 A	3 A	3 A
PD-5WS-DV (277 V~)	A	B	C
LED	5 A	4 A	3 A
Halogen/incandescent	1350 W	1100 W	800 W
Electronic Low-Voltage	1350 W	1100 W	800 W
Magnetic Low-Voltage ¹	1350 VA/1075 W	1100 VA/875 W	800 VA/625 W
Fluorescent ²	5 A	4 A	3 A

¹ The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the switch.

² The switch is UL_® Listed for use with all magnetic and electronic fluorescent ballasts.

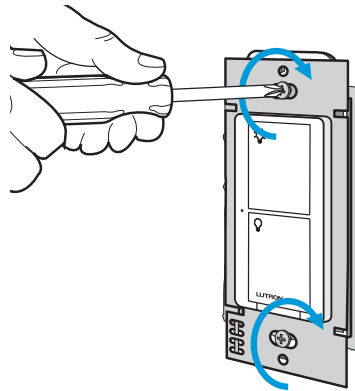
8 Connect the new Caséta Wireless switch

Location 1



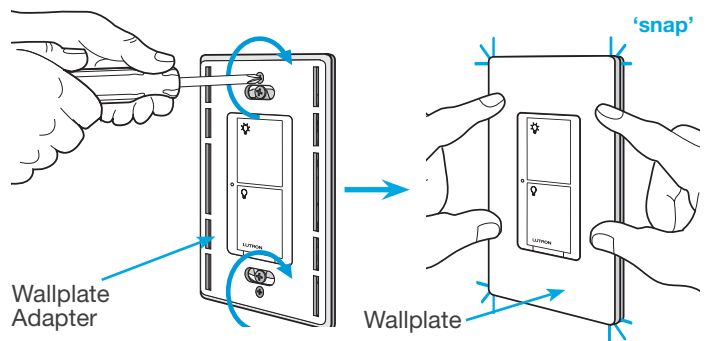
9 Mount the Caséta Wireless switch

Location 1



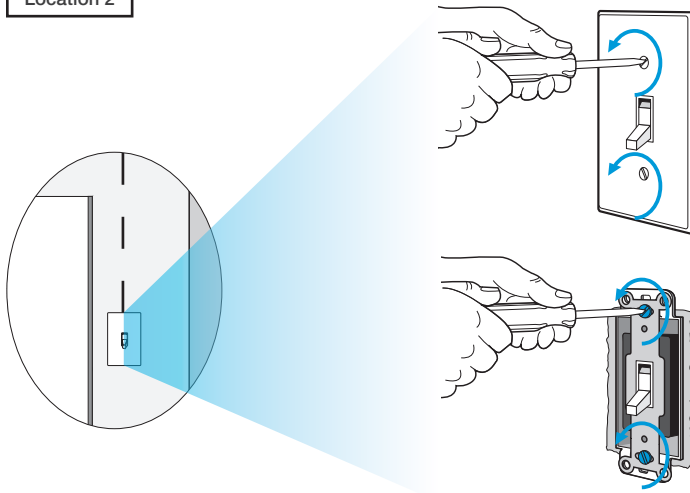
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

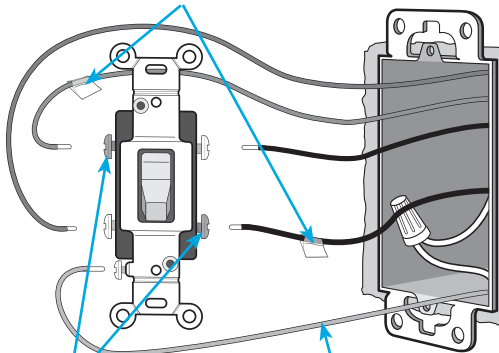
Location 2



12 Tag and disconnect wires from the existing switch

Location 2

Place tags - to identify wires on different color screws

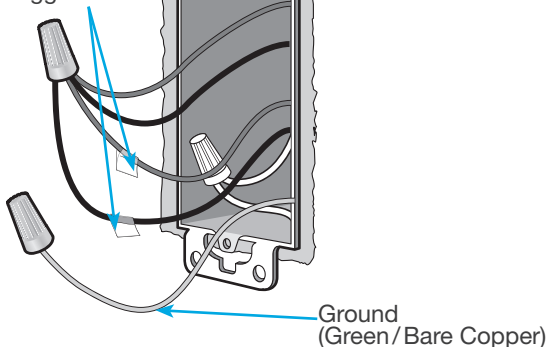


Different Color Screws Ground (Green/Bare Copper)

13 Connect the wires

Location 2

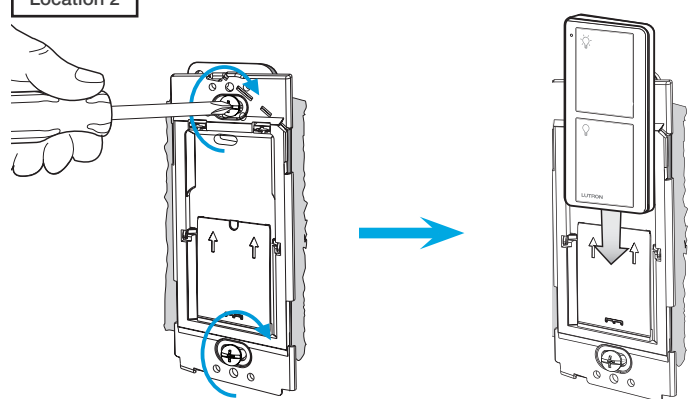
Tagged Wires



Ground (Green/Bare Copper)

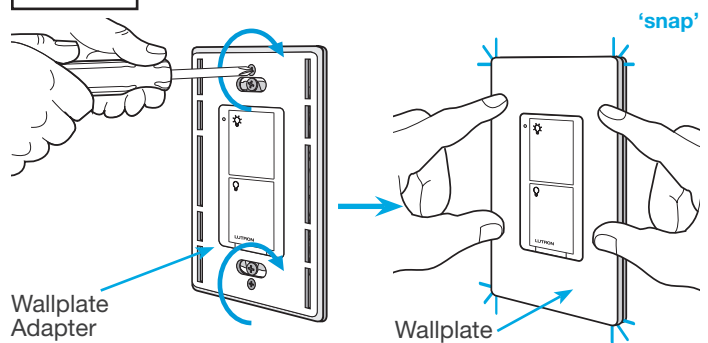
14 Attach the wallplate bracket and Pico remote control

Location 2



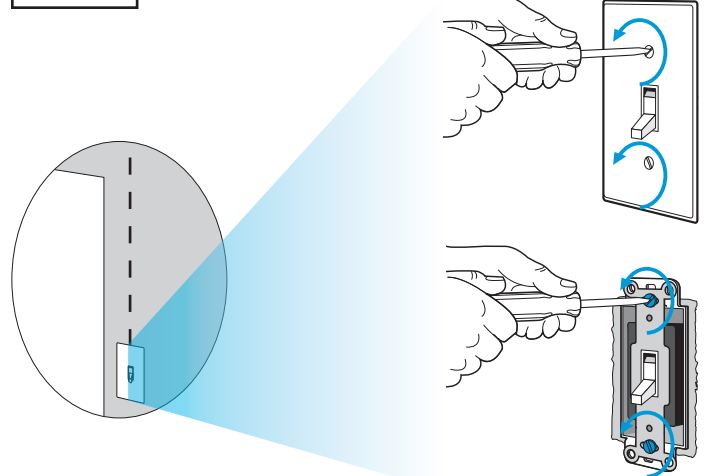
15 Attach the wallplate

Location 2

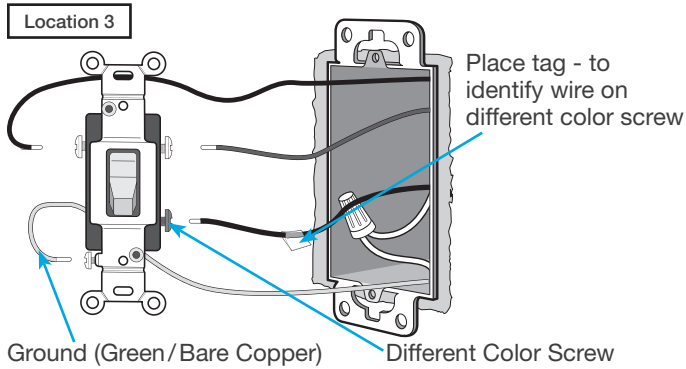


16 Remove existing switch from wall at Location 3

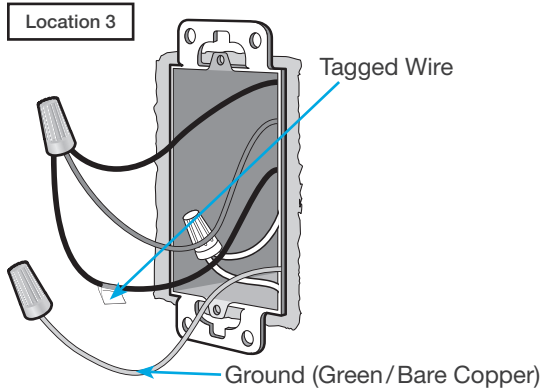
Location 3



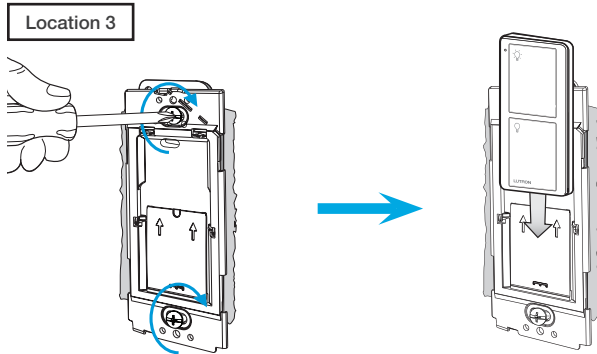
17 Tag and disconnect wires from the existing switch



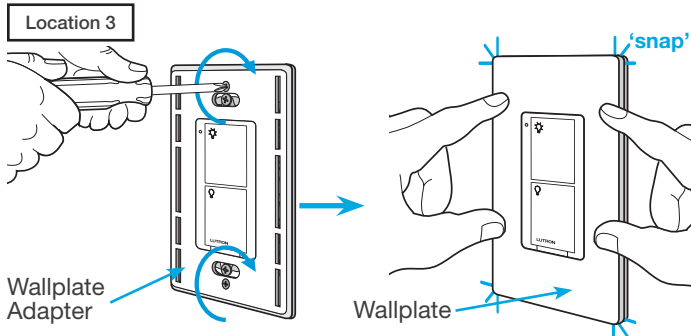
18 Connect the wires



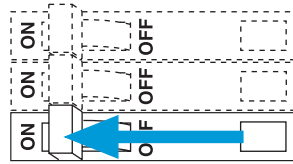
19 Attach the wallplate bracket and Pico remote control



20 Attach the wallplate

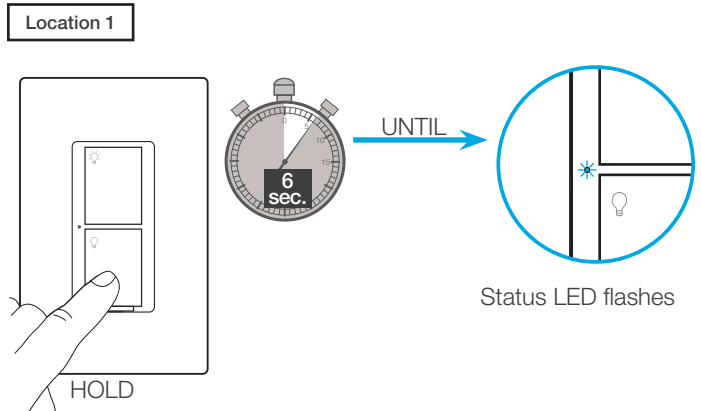


21 Turn power on at circuit breaker

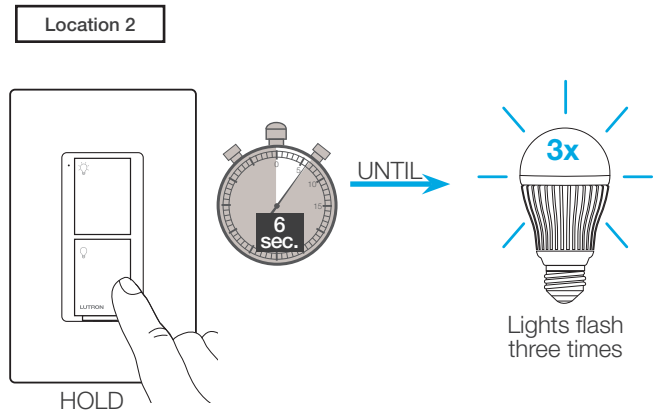


Pairing the switch and Pico remote controls

22 Press and hold "Off" button on switch



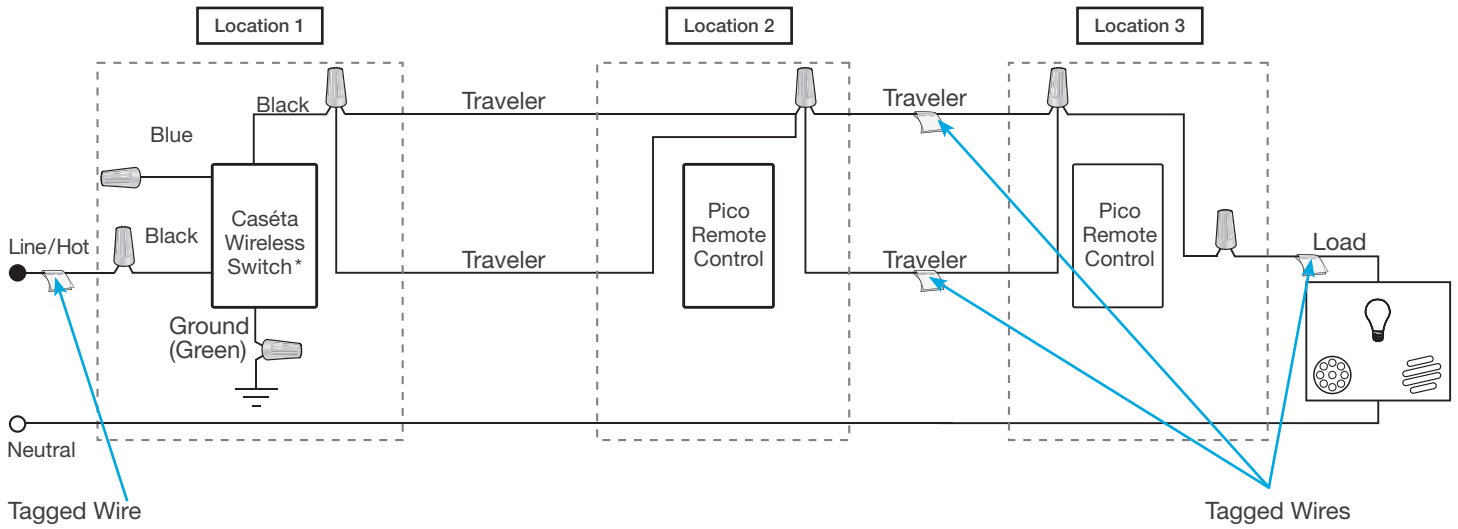
23 Press and hold "Off" button on remote control



24 Repeat for remote control at Location 3

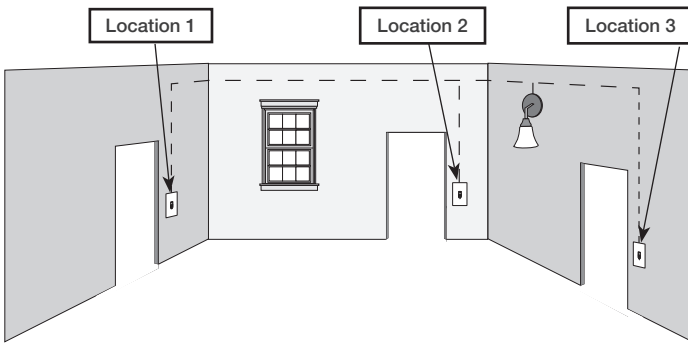
Repeat steps 22 and 23 to pair remote control at Location 3.

Schematic Diagram



* It is recommended to install switch in either Location 1 or 3.

1 Identify existing wiring



Three or more switches control the lights (multi-location installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If two switches control the lights (3-way installation) See [page 15](#) or [page 41](#) for details

2 What you need for a multi-location installation



Switch
PD-5ANS/PD-6ANS

+



Two Pico
remote controls
PJ2-2B

+



Two wallplate brackets
PICO-WBX-ADAPT

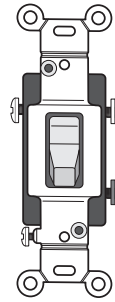
+



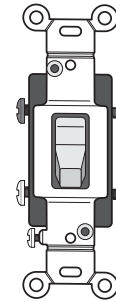
Three Claro wallplates
CW-1

3 Choose a location for your Caséta Wireless switch

NOTE: There will be two different types of existing switches in this application. Locations 1 and 3 will use 3-way switches (three screws which control the lights, plus one ground screw) and Location 2 will use a 4-way switch (four screws which control the lights, plus one ground screw). For easiest installation, we recommend replacing one of the 3-way switches with your Caséta Wireless switch (Locations 1 or 3). In this example, we will use Location 1.

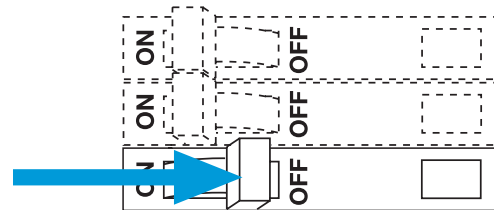


3-Way Switch
(Locations 1 and 3)



4-Way Switch
(Location 2)

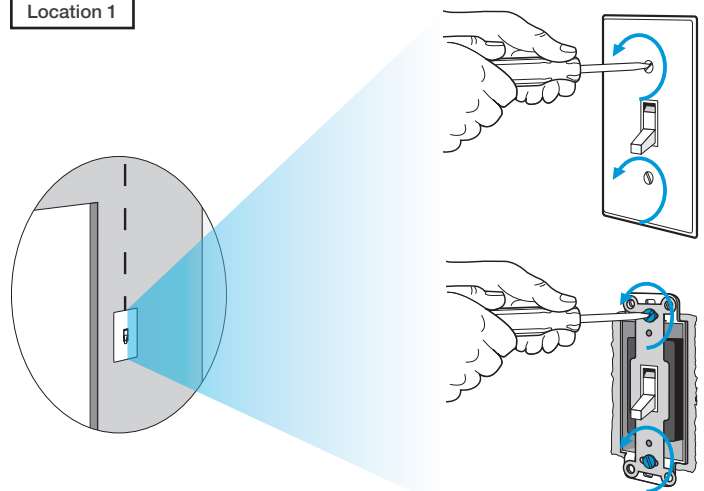
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall at Location 1

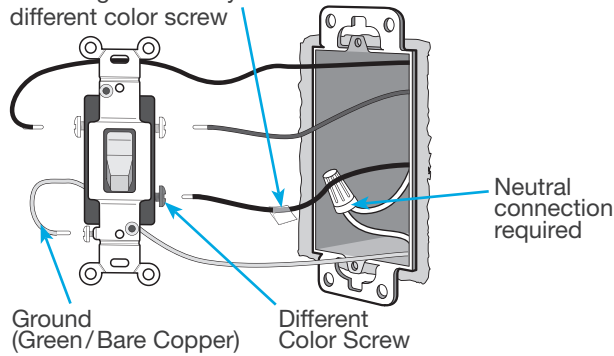
Location 1



6 Tag and disconnect wires from the existing switch

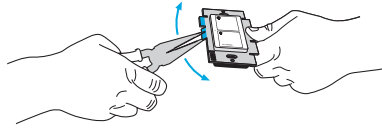
Location 1

Place tag - to identify wire on different color screw

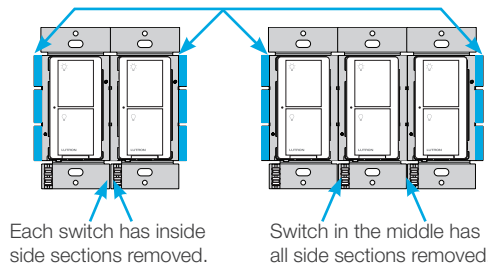


7 Remove side sections (if necessary)

When installing more than one Caséta Wireless switch in the same wallbox, it is necessary to remove inner side sections prior to wiring. See image and chart below for more information.



Do not remove outside side sections on switches at the end of gang.


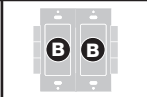
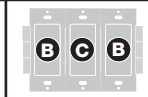


Each switch has inside side sections removed.

Switch in the middle has all side sections removed.

Important note:

Removing side sections reduces the switch's maximum wattage rating. See the chart below for maximum wattage information.

			
PD-5ANS/PD-6ANS (120 V~) ¹	A	B	C
LED	6 A	6 A	5 A
Halogen/incandescent	720 W	720 W	600 W
Electronic Low-Voltage	720 VA	720 VA	600 VA
Magnetic Low-Voltage ²	720 VA	720 VA	600 VA
Fluorescent ³	6 A	6 A	5 A
General Purpose Fan	3.6 A	3.6 A	3.6 A

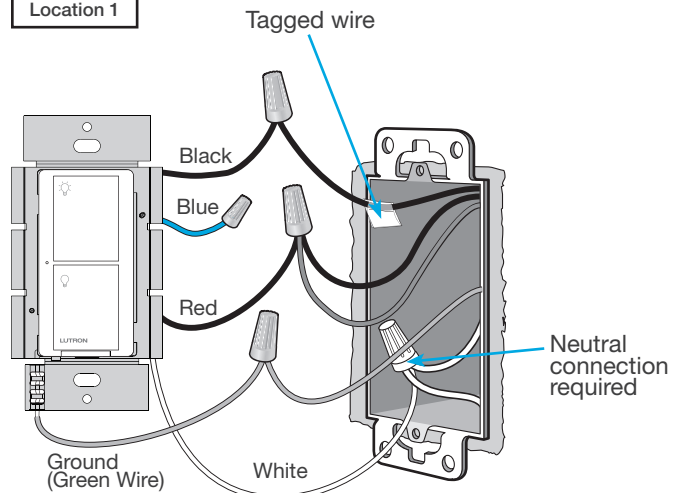
¹ Neutral required.

² The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the switch.

³ The switch is UL_e Listed for use with all magnetic and electronic fluorescent ballasts.

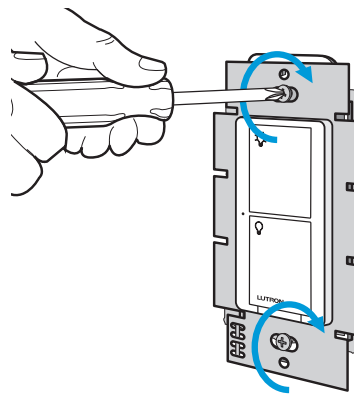
8 Connect the new Caséta Wireless neutral switch

Location 1



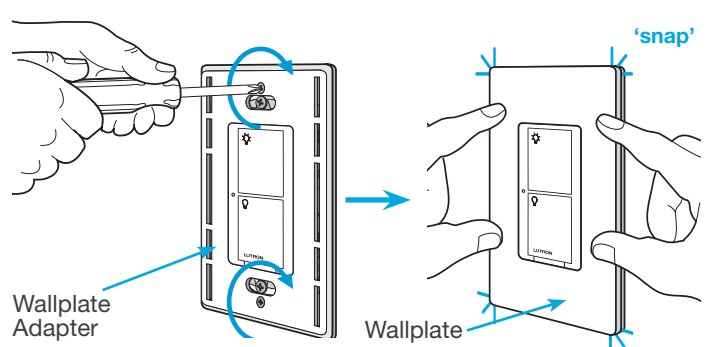
9 Mount the Caséta Wireless neutral switch

Location 1

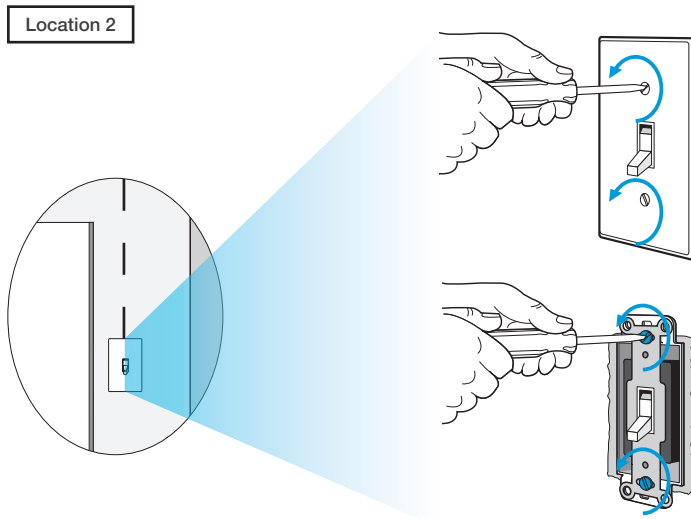


10 Attach the wallplate

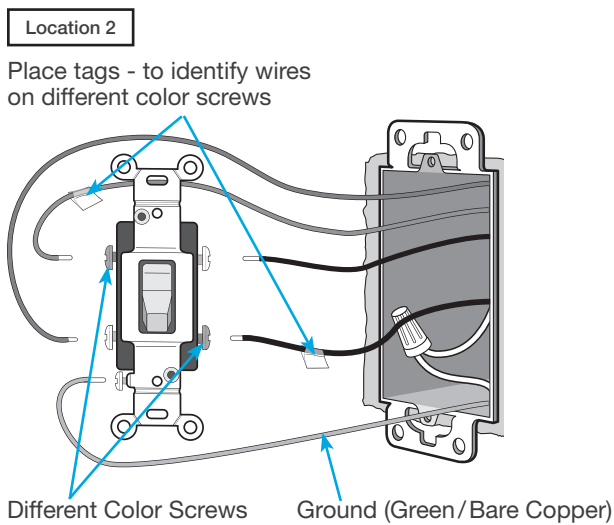
Location 1



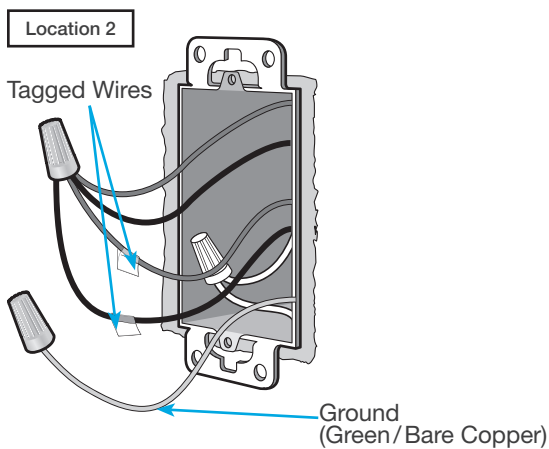
11 Remove existing switch from wall at Location 2



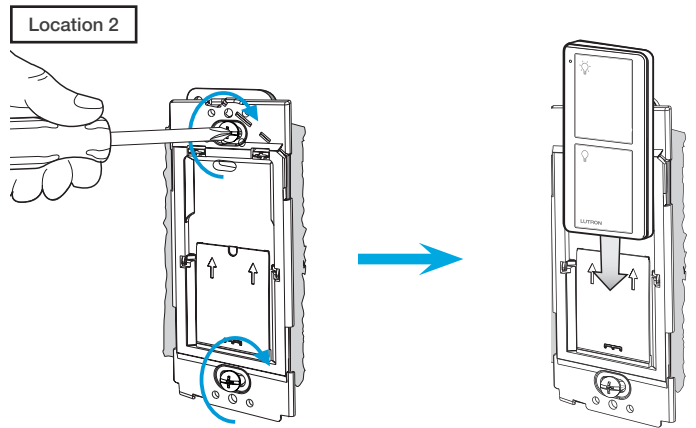
12 Tag and disconnect wires from the existing switch



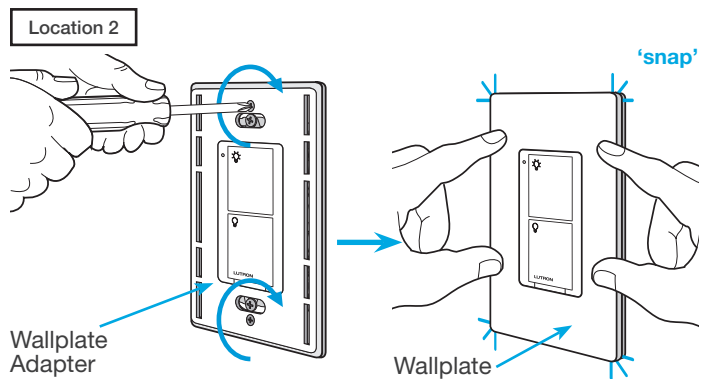
13 Connect the wires



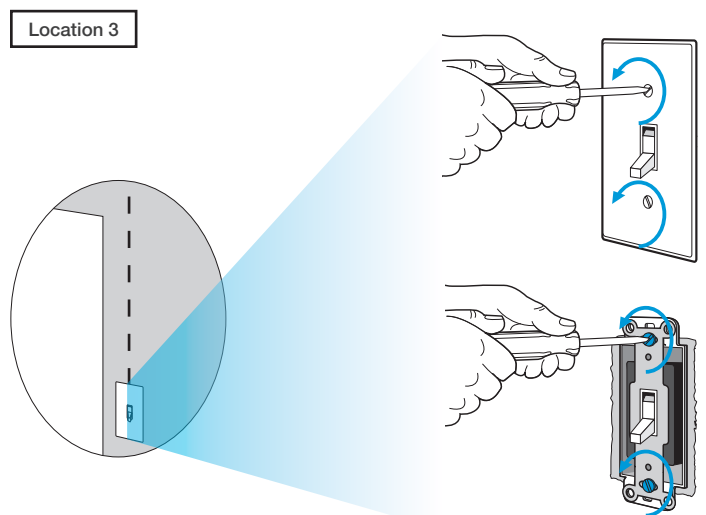
14 Attach the wallplate bracket and Pico remote control



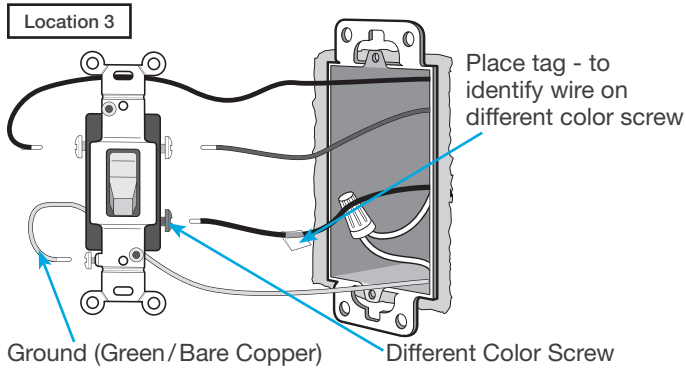
15 Attach the wallplate



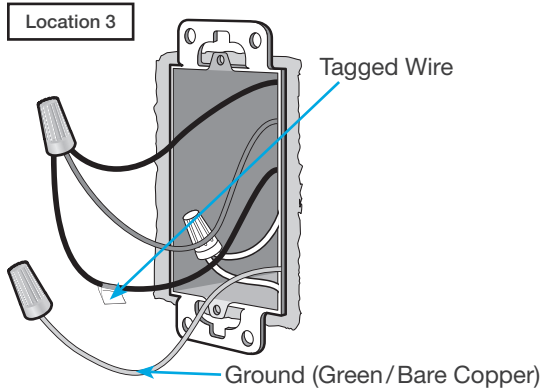
16 Remove existing switch from wall at Location 3



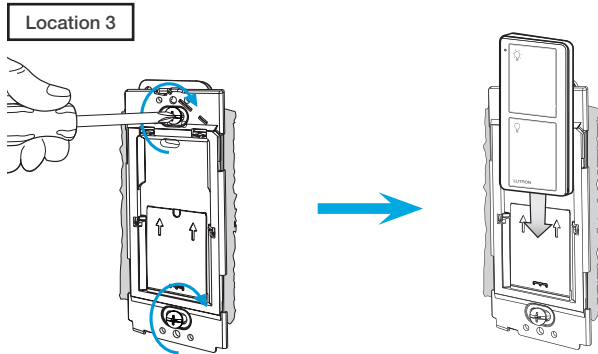
17 Tag and disconnect wires from the existing switch



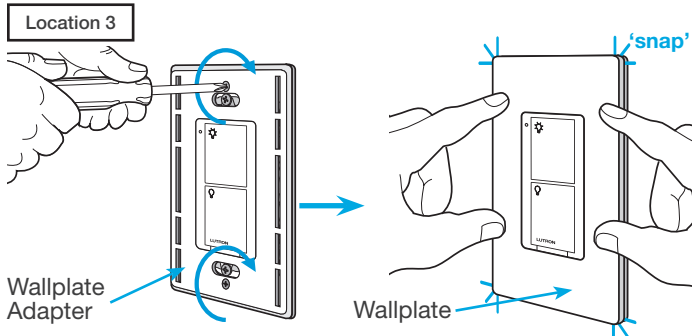
18 Connect the wires



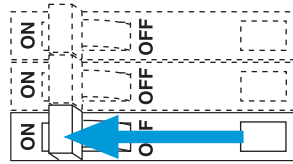
19 Attach the wallplate bracket and Pico remote control



20 Attach the wallplate

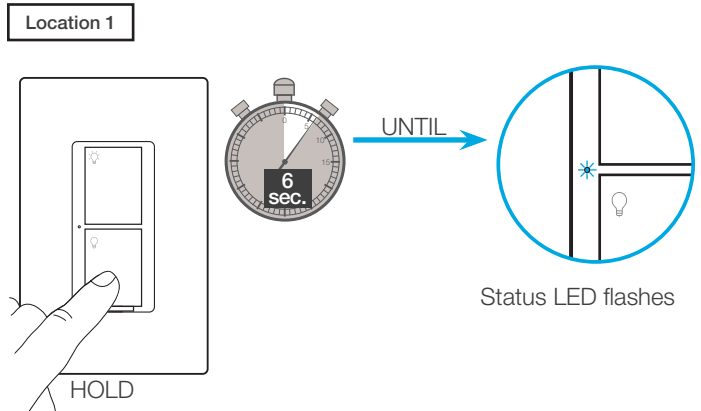


21 Turn power on at circuit breaker

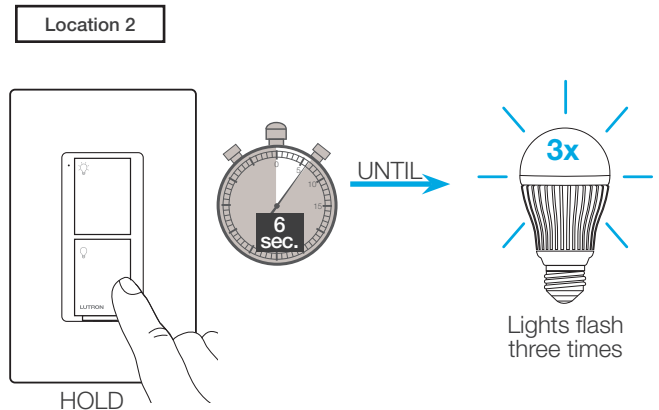


Pairing the switch and Pico remote controls

22 Press and hold "Off" button on switch



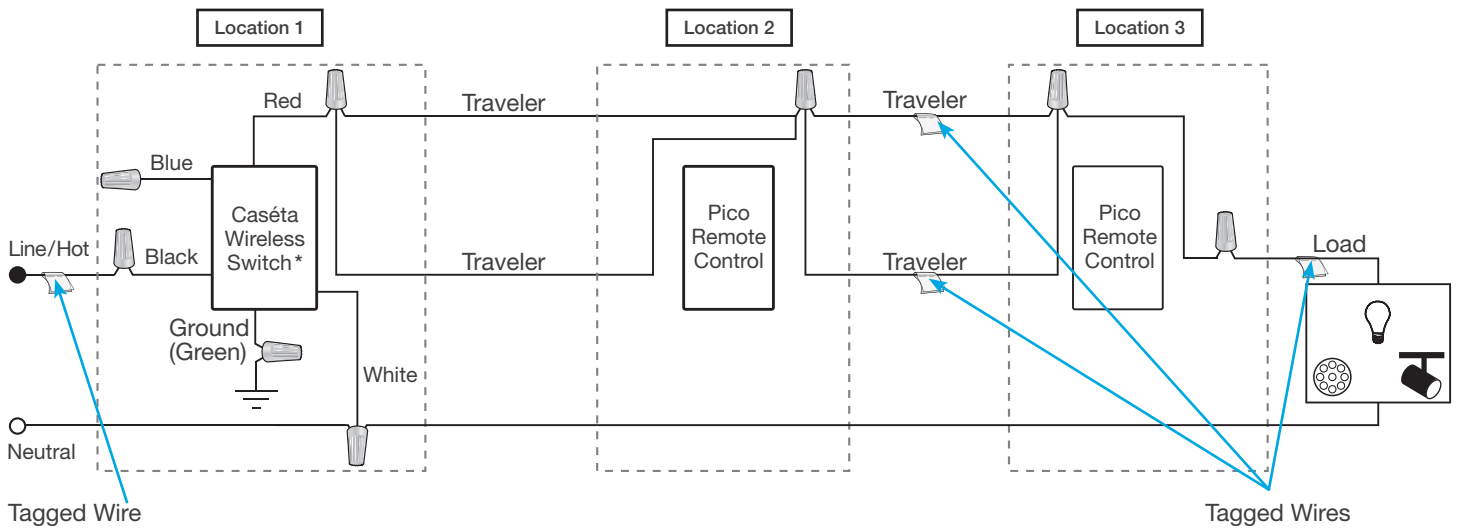
23 Press and hold "Off" button on remote control



24 Repeat for remote control at Location 3

Repeat steps 22 and 23 to pair remote control at Location 3.

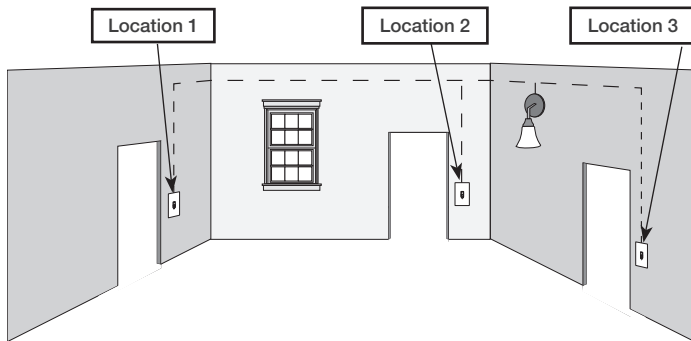
Schematic Diagram



* It is recommended to install switch in either Location 1 or 3.

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

1 Identify existing wiring



Three or more switches control the lights (multi-location installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your dimmer
- If two switches control the lights (3-way installation) See [page 19](#) for details

2 What you need for a multi-location installation



ELV+ dimmer PD-5NE

Claro wallplate CW-1

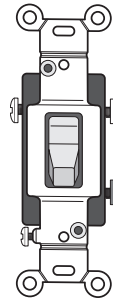


Two Pico remote controls with wall-mounting kits PJ2-WALL

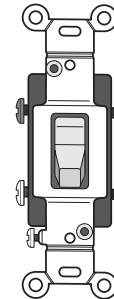


3 Choose a location for your Caséta Wireless dimmer

NOTE: There will be two different types of existing switches in this application. Locations 1 and 3 will use 3-way switches (three screws which control the lights, plus one ground screw) and Location 2 will use a 4-way switch (four screws which control the lights, plus one ground screw). For easiest installation, we recommend replacing one of the 3-way switches with your dimmer (Locations 1 or 3). In this example, we will use Location 1.

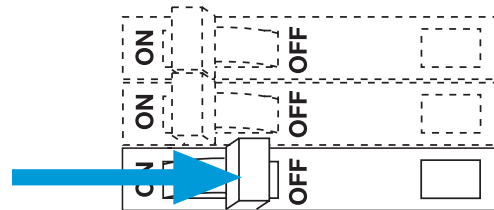


3-Way Switch (Locations 1 and 3)



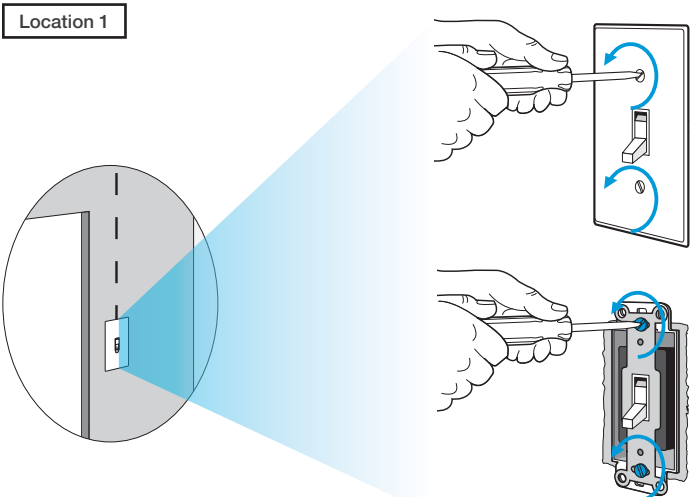
4-Way Switch (Location 2)

4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

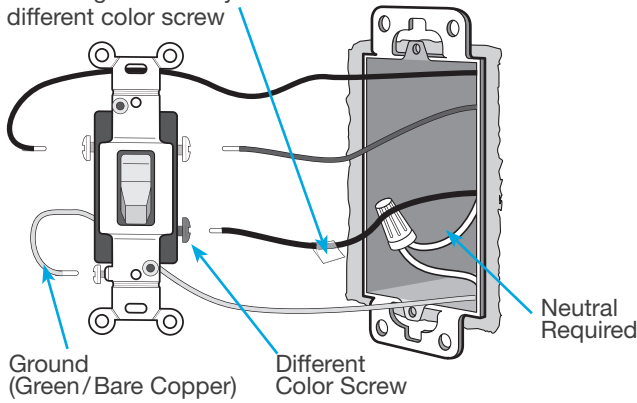
5 Remove existing switch from wall at Location 1



6 Tag and disconnect wires from the existing switch

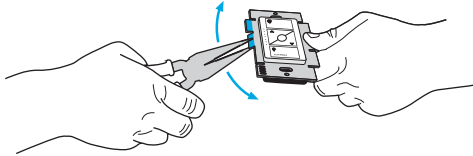
Location 1

Place tag - to identify wire on different color screw

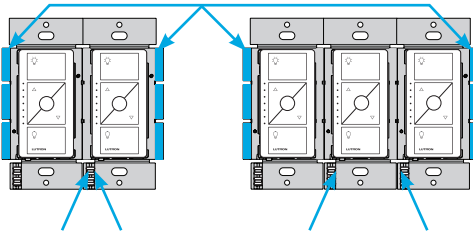


7 Remove side sections (if necessary)

When installing more than one Caséta Wireless dimmer in the same wallbox, it is necessary to remove inner side sections prior to wiring. See image and chart below for more information.



Do not remove outside side sections on dimmers at the end of gang.



Each dimmer has inside side sections removed.

Dimmer in the middle has all side sections removed.

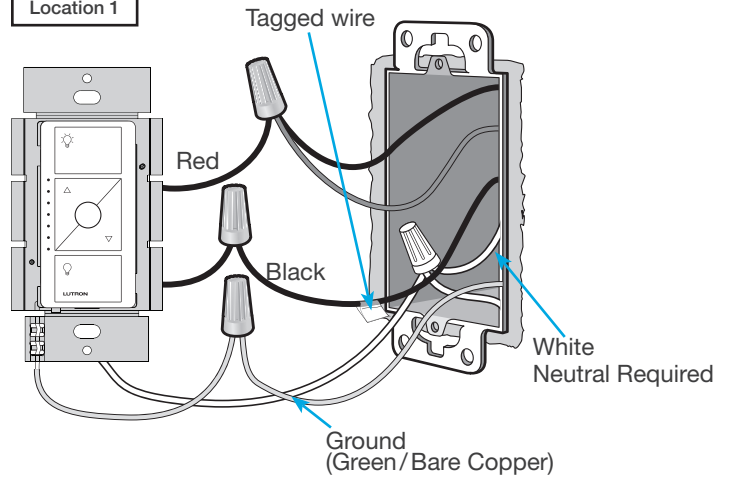
Important note:

Removing side sections reduces the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

PD-5NE (120 V~) ¹	Incandescent/Halogen Total Wattage		
	A	B	C
LED	250 W	250 W	250 W
Halogen / Incandescent	500 W	400 W	300 W
Electronics Low-Voltage	500 W	400 W	300 W
Magnetic Low Voltage	400 VA	400 VA	400 VA

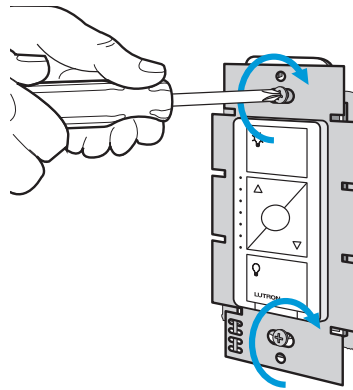
8 Connect the new Caséta Wireless dimmer

Location 1



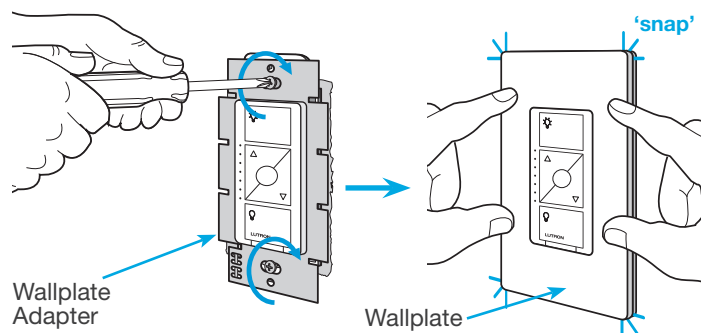
9 Mount the Caséta Wireless dimmer

Location 1



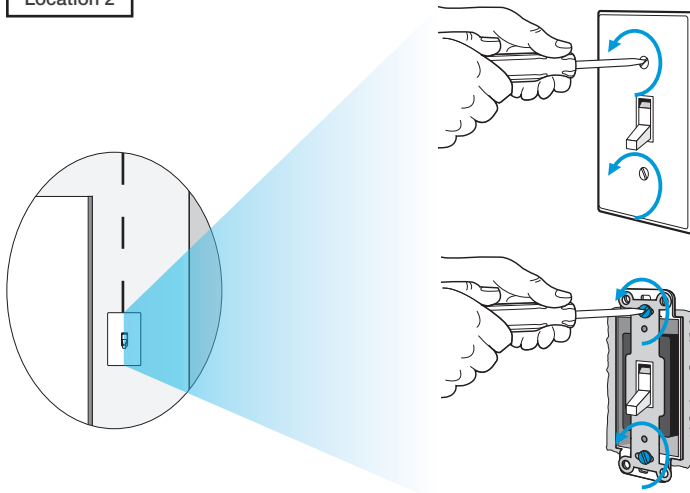
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

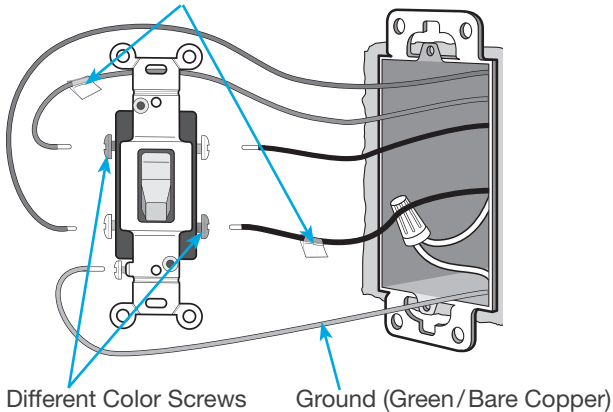
Location 2



12 Tag and disconnect wires from the existing switch

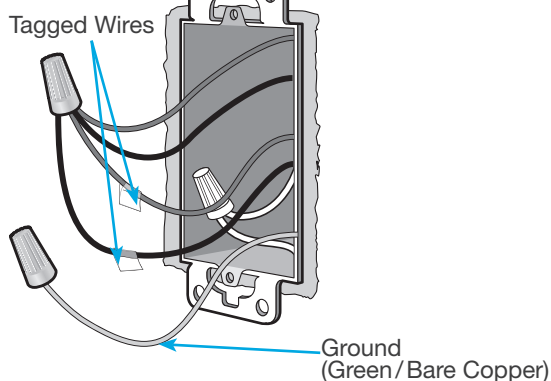
Location 2

Place tags - to identify wires on different color screws



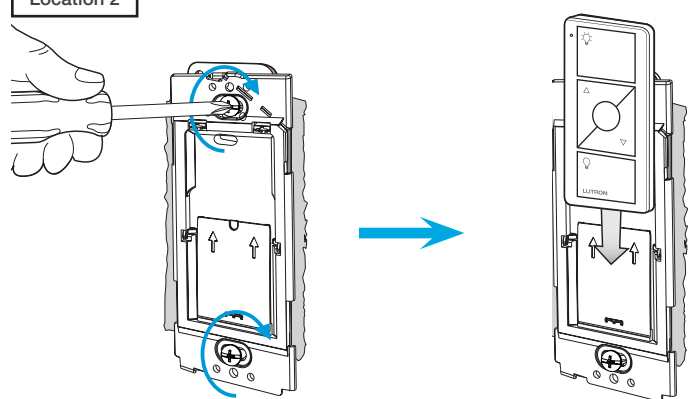
13 Connect the wires

Location 2



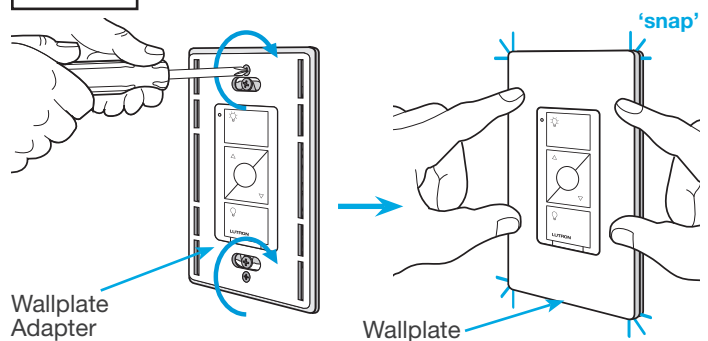
14 Attach the wallplate bracket and Pico remote control

Location 2



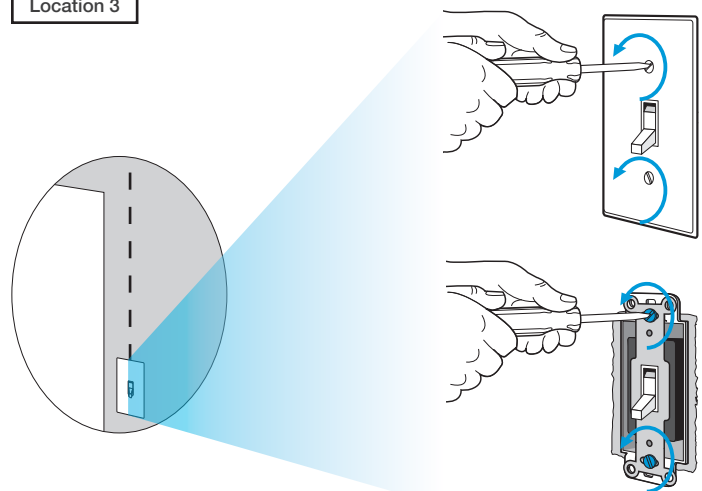
15 Attach the wallplate

Location 2



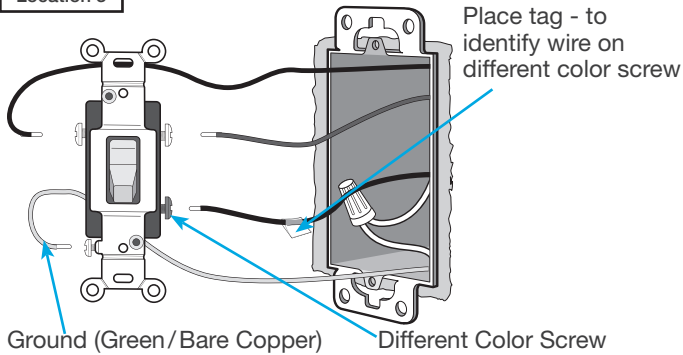
16 Remove existing switch from wall at Location 3

Location 3



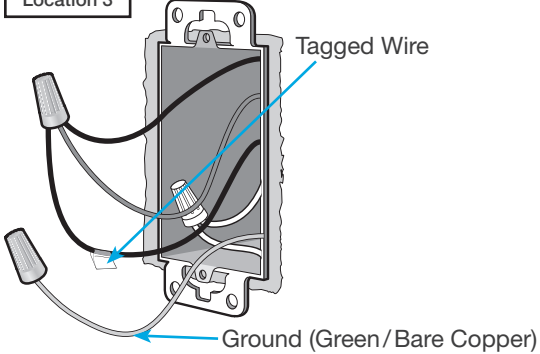
17 Tag and disconnect wires from the existing switch

Location 3



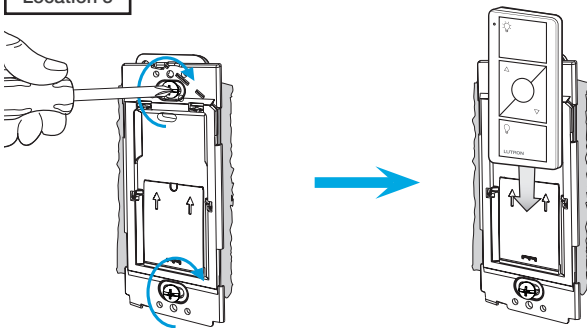
18 Connect the wires

Location 3



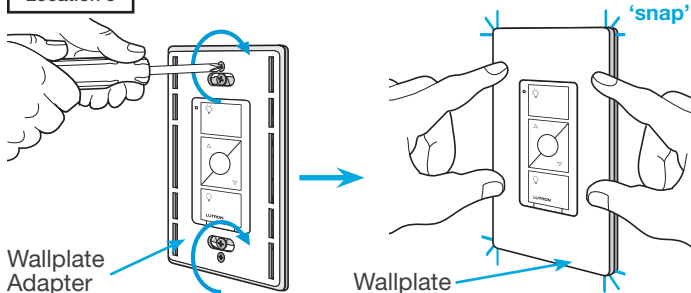
19 Attach the wallplate bracket and Pico remote control

Location 3

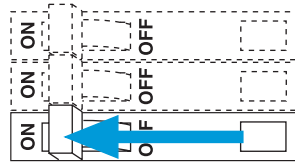


20 Attach the wallplate

Location 3



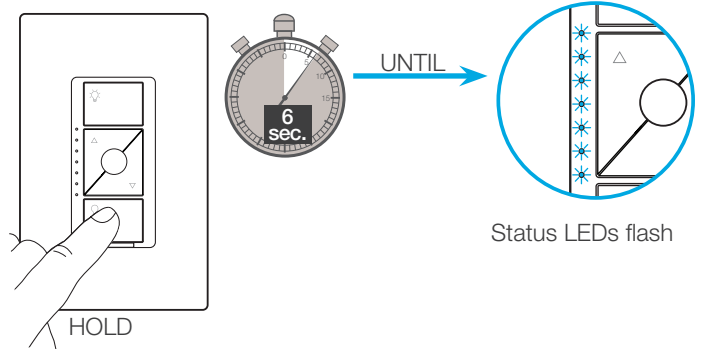
21 Turn power on at circuit breaker



Pairing the dimmer and Pico remote controls

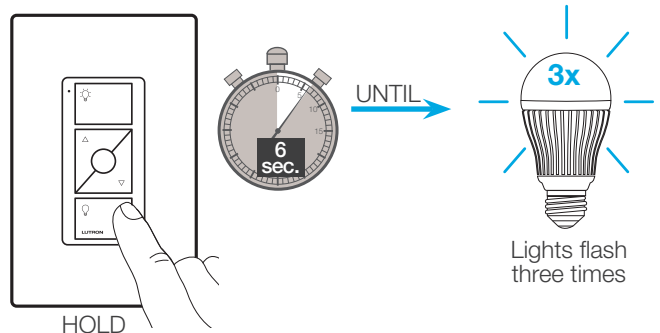
22 Press and hold "Off" button on dimmer

Location 1



23 Press and hold "Off" button on remote control

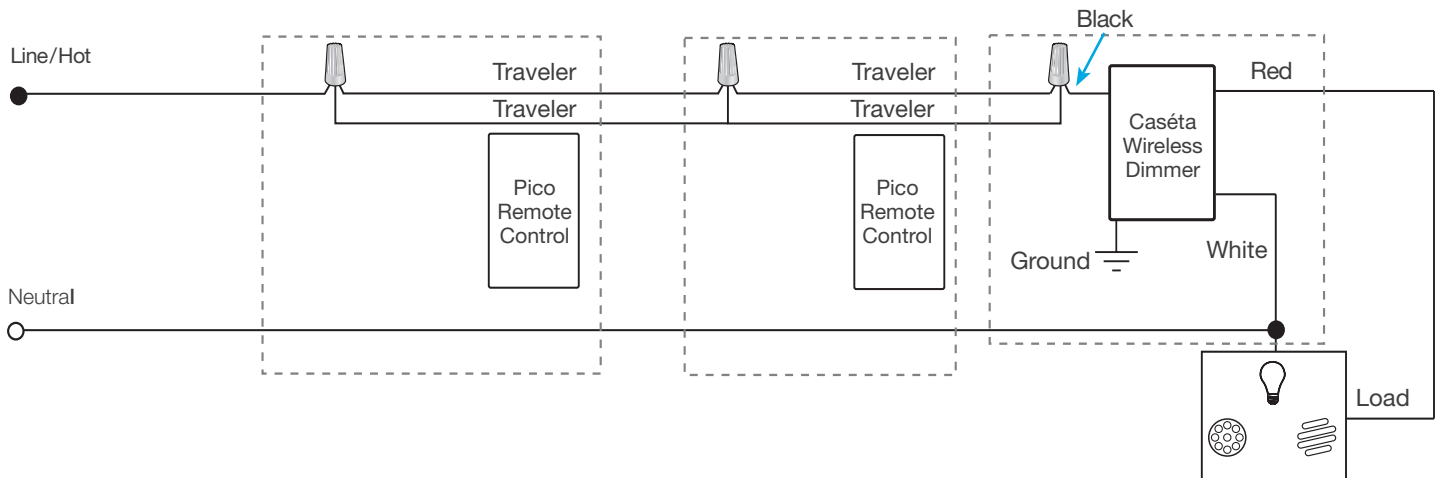
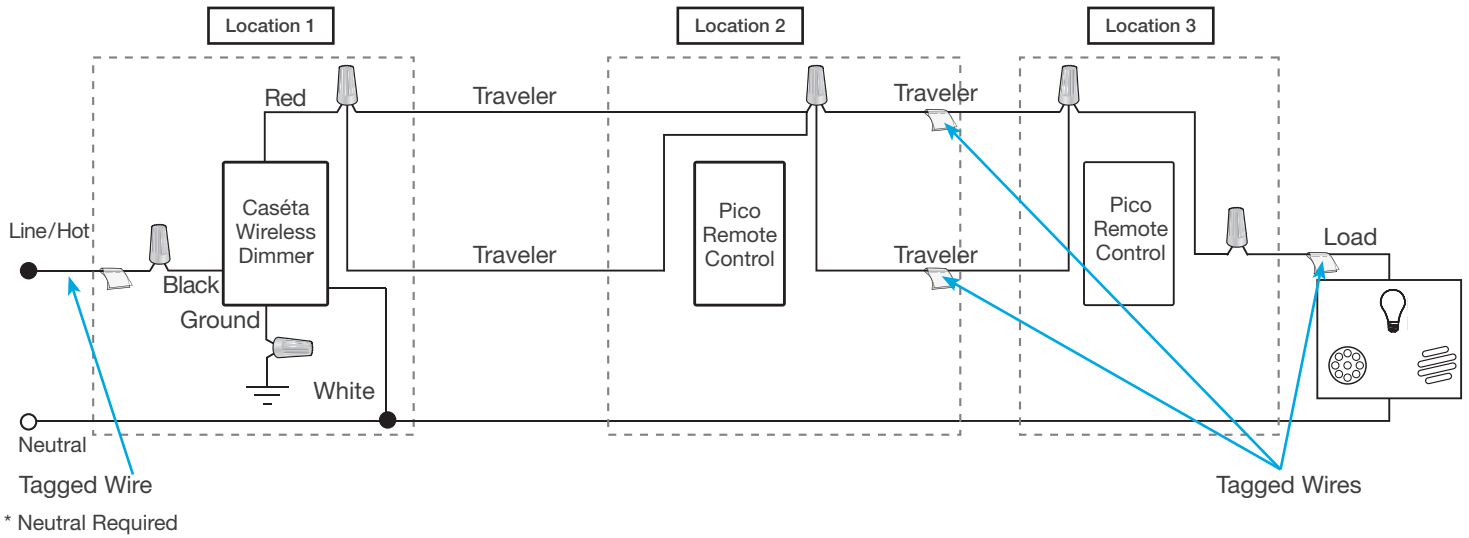
Location 2



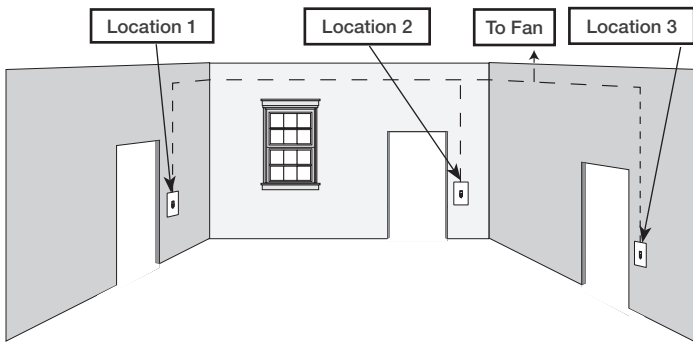
24 Repeat for remote control at Location 3

Repeat steps 22 and 23 to pair remote control at Location 3.

Schematic Diagram



1 Identify existing wiring

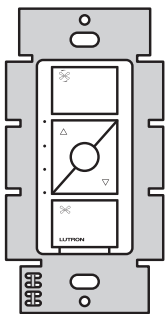


Three or more switches control the fan (multi-location installation)

Important note:

- If one switch controls the fan (single-pole installation) See quick-start guide that came with your fan control
- If two switches control the fan (3-way installation) See [page 23](#) for details

2 What you need for a multi-location installation



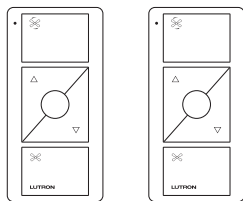
Fan control PD-FSQN



Three Claro wallplates CW-1



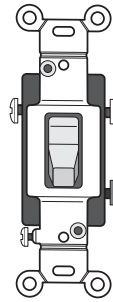
Two Pico wallbox adapters PICO-WBX-ADAPT



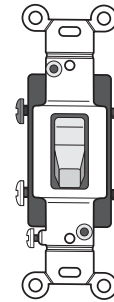
Two Pico remote controls for fans PJ2-3BRL-XXX-F01

3 Choose a location for your Caséta Wireless fan control

NOTE: There will be two different types of existing switches in this application. Locations 1 and 3 will use 3-way switches (three screws which control the fan, plus one ground screw) and Location 2 will use a 4-way switch (four screws which control the fan, plus one ground screw). For easiest installation, we recommend replacing one of the 3-way switches with your fan control (Locations 1 or 3). In this example, we will use Location 1.

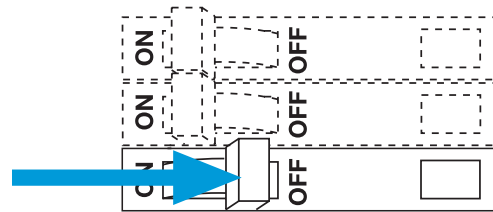


3-Way Switch (Locations 1 and 3)



4-Way Switch (Location 2)

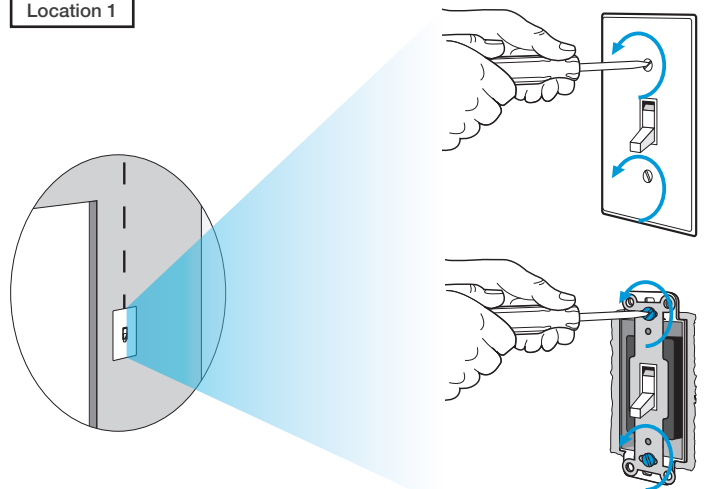
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall at Location 1

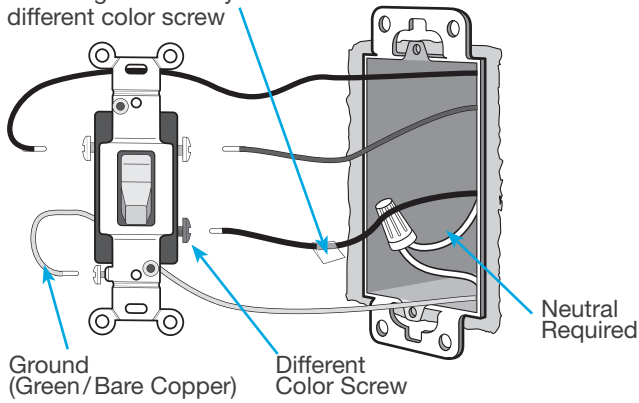
Location 1



6 Tag and disconnect wires from the existing switch

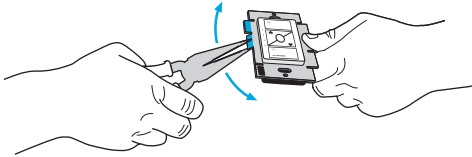
Location 1

Place tag - to identify wire on different color screw

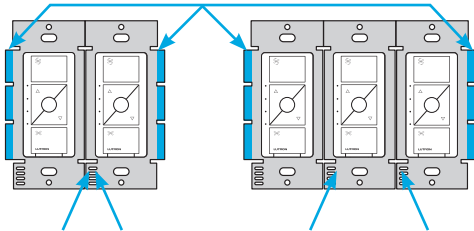


7 Remove side sections (if necessary)

When installing more than one Caséta Wireless control in the same wallbox, it is necessary to remove inner side sections prior to wiring. See image below for more information.



Do not remove outside side sections on the controls at the end of gang.

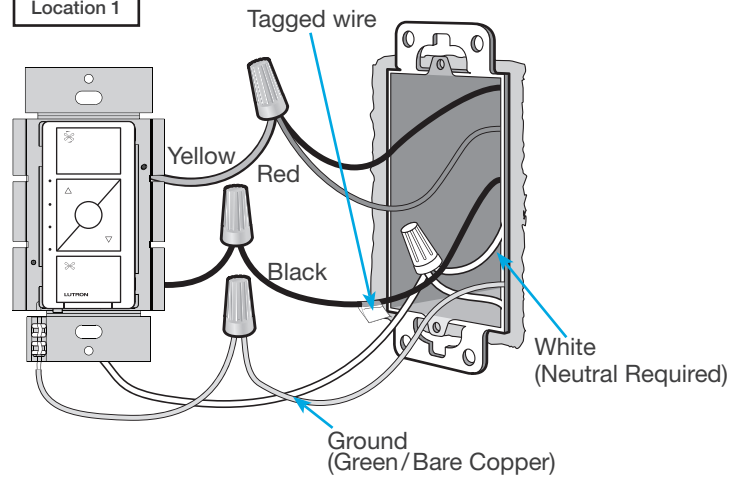


Each control has inside side sections removed.

The control in the middle has all side sections removed.

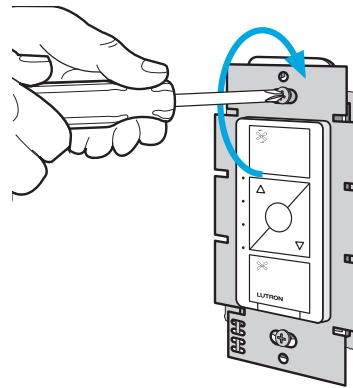
8 Connect the new Caséta Wireless fan control

Location 1



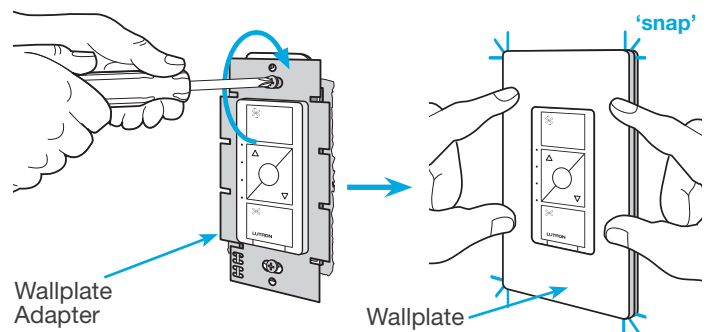
9 Mount the Caséta Wireless fan control

Location 1



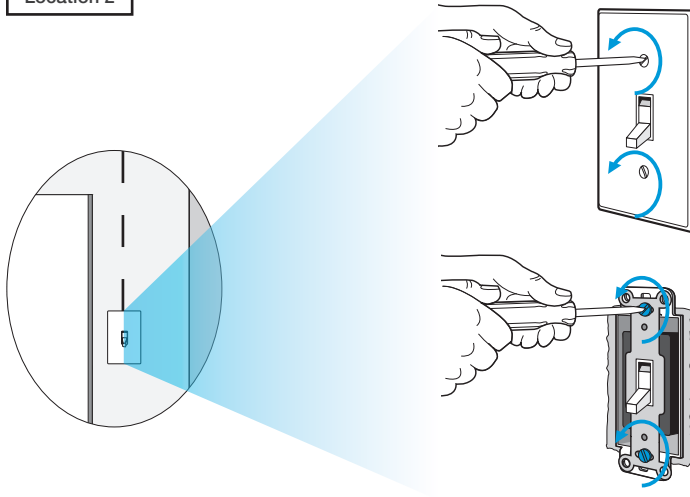
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

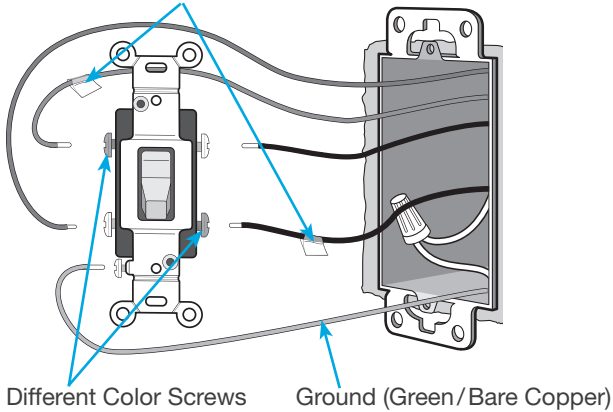
Location 2



12 Tag and disconnect wires from the existing switch

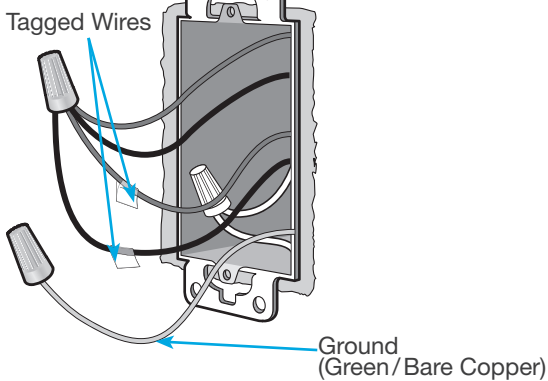
Location 2

Place tags - to identify wires on different color screws



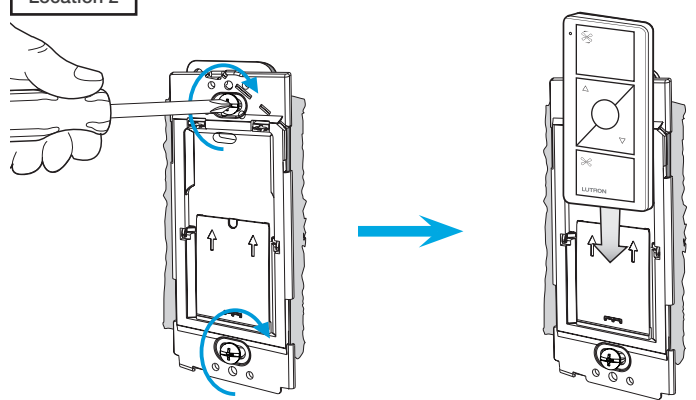
13 Connect the wires

Location 2



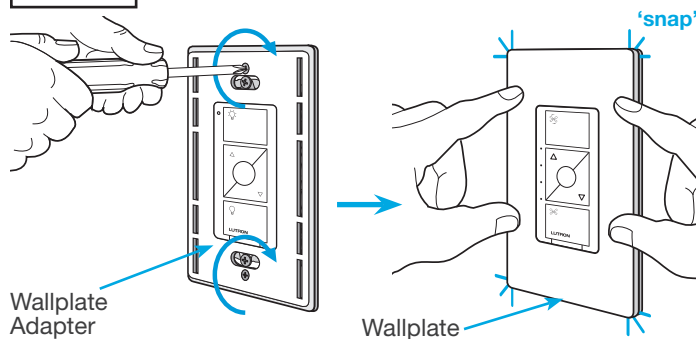
14 Attach the wallplate bracket and Pico remote control

Location 2



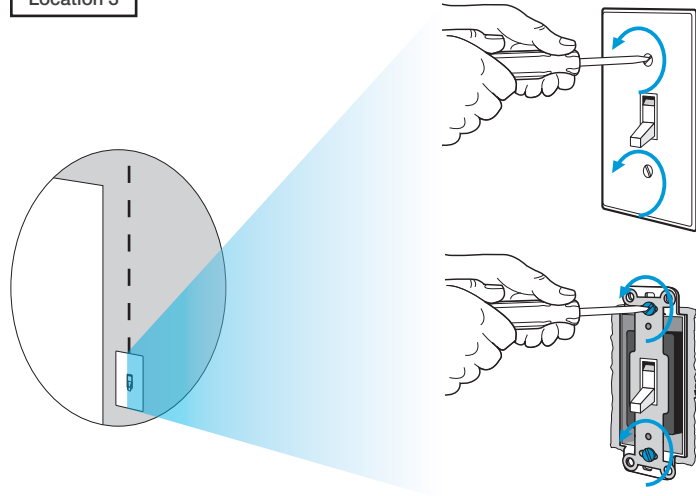
15 Attach the wallplate

Location 2

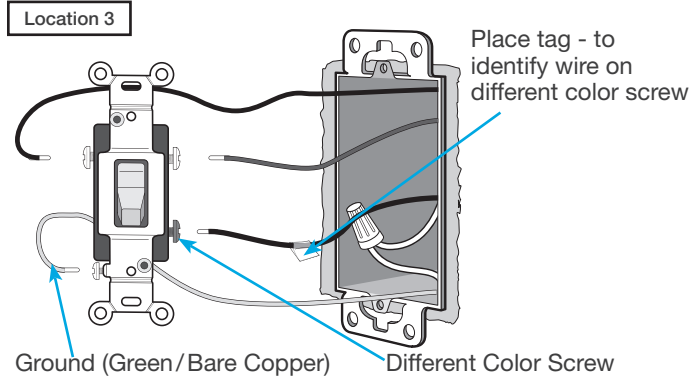


16 Remove existing switch from wall at Location 3

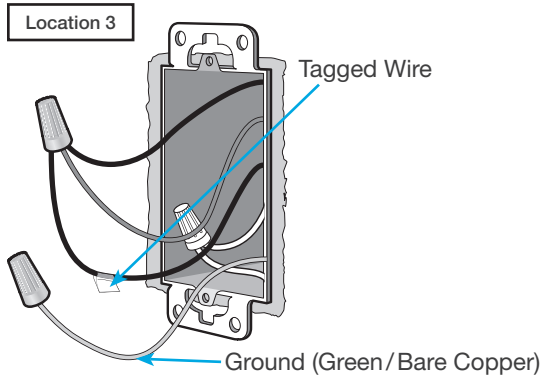
Location 3



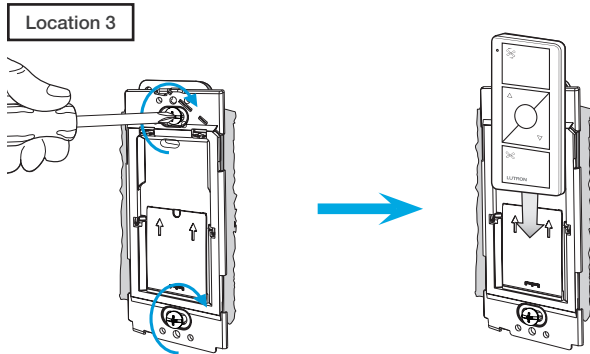
17 Tag and disconnect wires from the existing switch



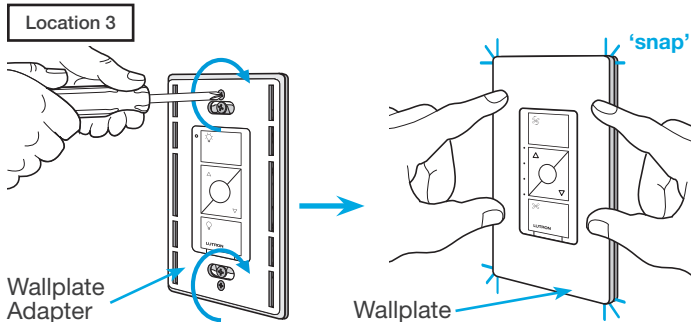
18 Connect the wires



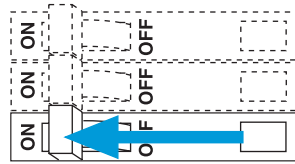
19 Attach the wallplate bracket and Pico remote control



20 Attach the wallplate

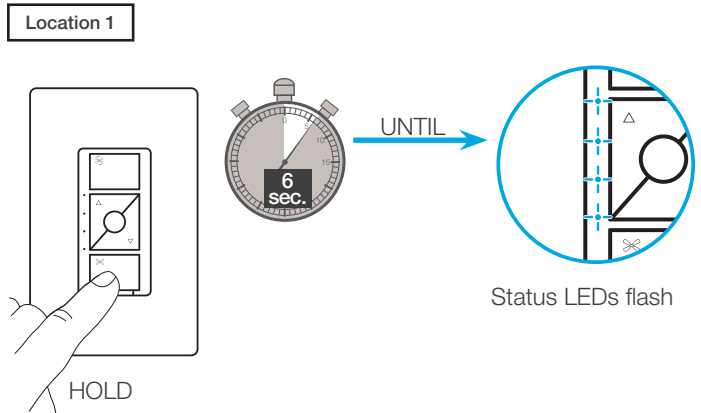


21 Turn power on at circuit breaker

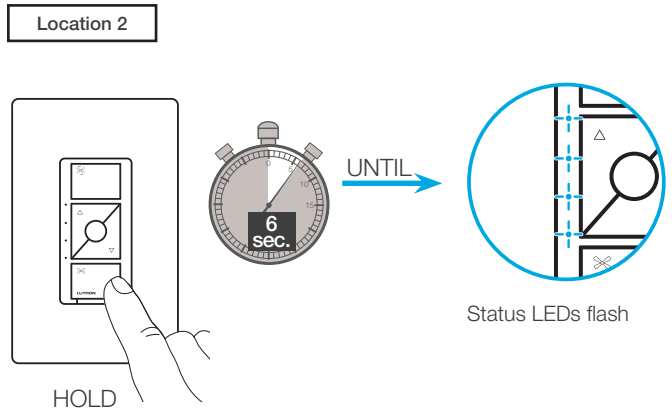


Pairing the fan control and Pico remote controls

22 Press and hold "Off" button on the fan control



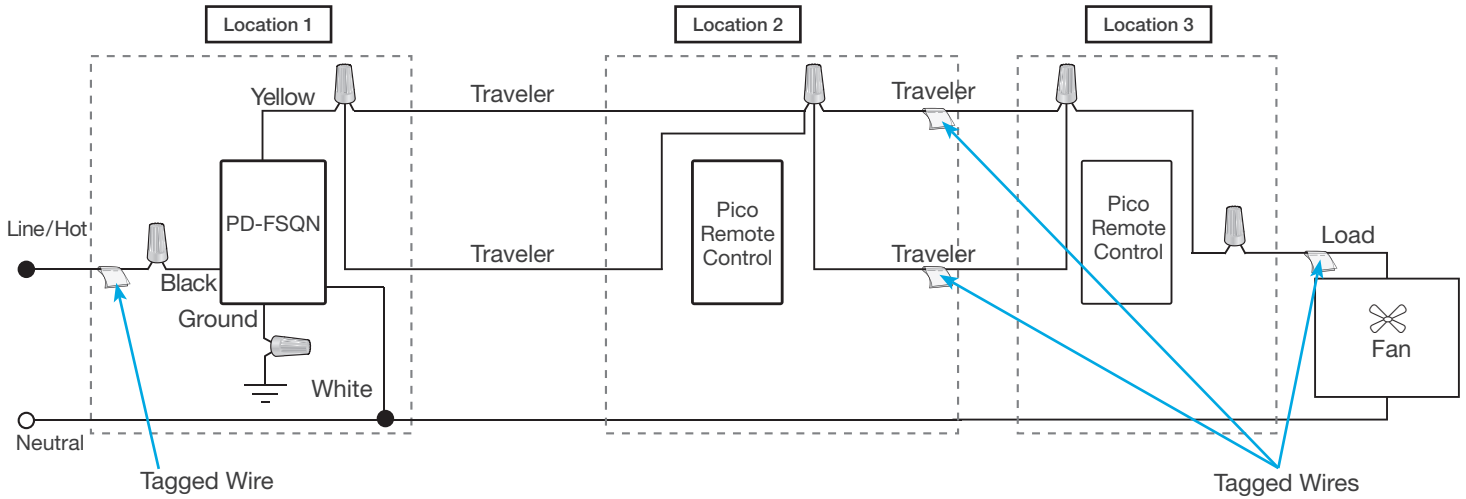
23 Press and hold "Off" button on remote control



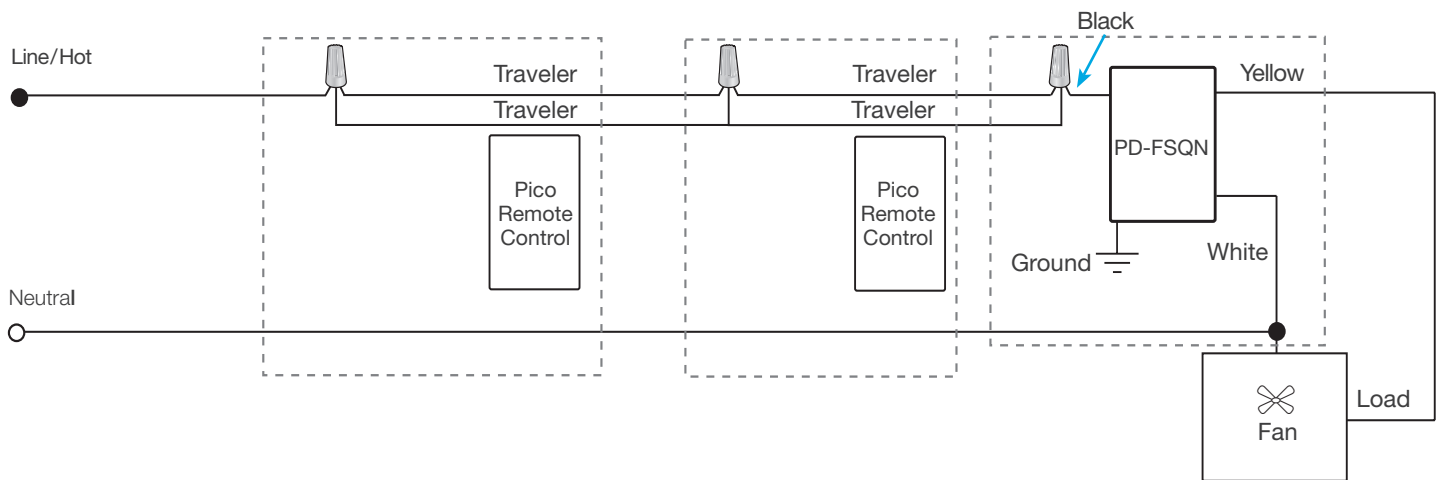
24 Repeat for remote control at Location 3

Repeat steps 22 and 23 to pair remote control at Location 3.

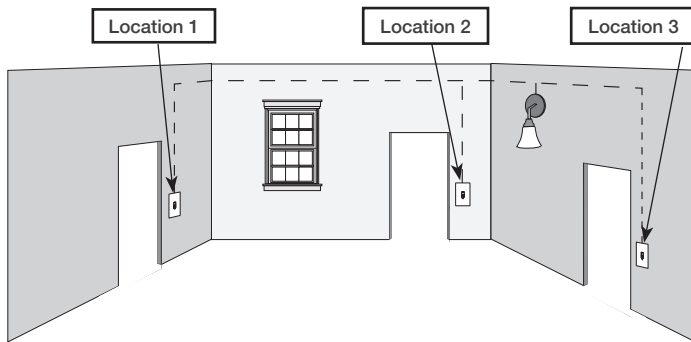
Schematic Diagram



* Neutral Required



1 Identify existing wiring



Three or more switches control the lights (multi-location installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your dimmer
- If two switches control the lights (3-way installation) See [page 27](#), [page 44](#) or [page 50](#) for details

2 What you need for a multi-location installation



Diva Smart dimmer
DVRF-6L

+



Claro wallplate
CW-1

+

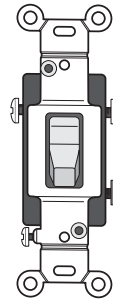


Two Pico remote controls with wall-mounting kits
PJ2-WALL

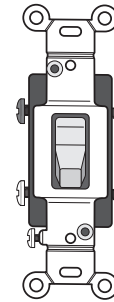


3 Choose a location for your Caséta Diva Smart dimmer

NOTE: There will be two different types of existing switches in this application. Locations 1 and 3 will use 3-way switches (three screws which control the lights, plus one ground screw) and Location 2 will use a 4-way switch (four screws which control the lights, plus one ground screw). For easiest installation, we recommend replacing one of the 3-way switches with your dimmer (Locations 1 or 3). In this example, we will use Location 1.

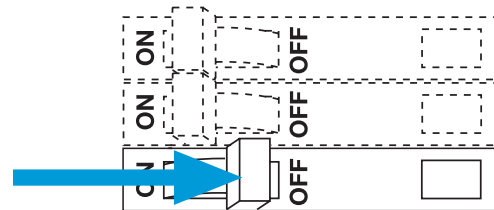


3-Way Switch
(Locations 1 and 3)



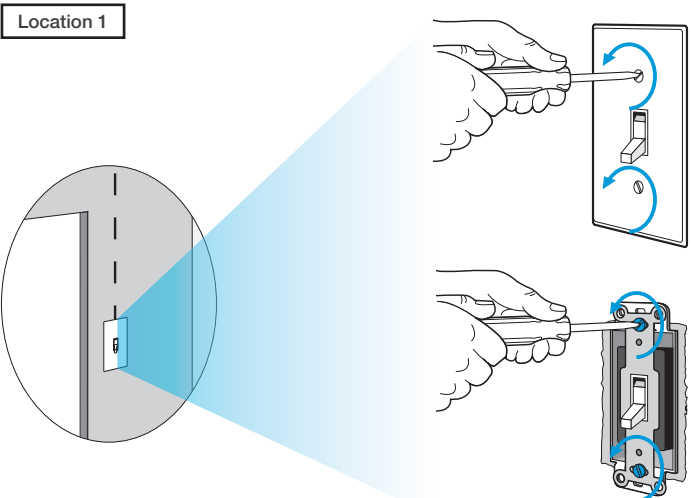
4-Way Switch
(Location 2)

4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

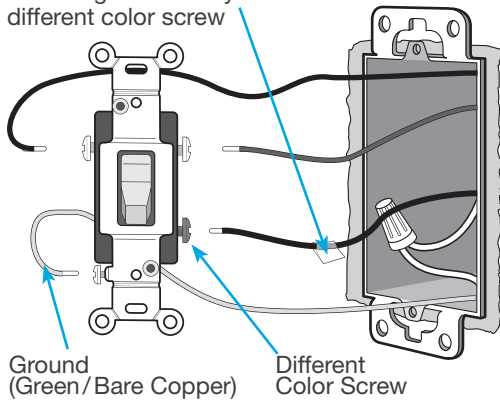
5 Remove existing switch from wall at Location 1



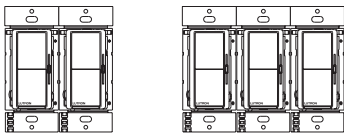
6 Tag and disconnect wires from the existing switch

Location 1

Place tag - to identify wire on different color screw



7 Ganging and derating



Note: Diva Smart controls don't have fins but derating is still required. See the chart below.

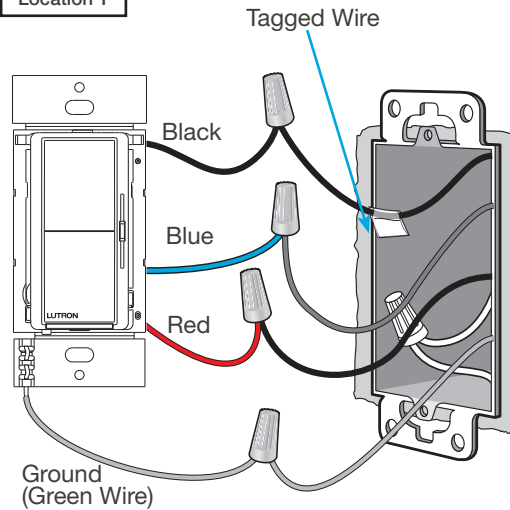
Important note:

Ganging units together may reduce the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

Total Dimmable LED Wattage	Incandescent/Halogen Total Wattage		
	A	B	C
0 W	600 W	500 W	400 W
1 W - 25 W	500 W	400 W	300 W
26 W - 50 W	400 W	300 W	200 W
51 W - 75 W	300 W	200 W	100 W
76 W - 100 W	200 W	100 W	50 W
101 W - 125 W	100 W	50 W	0 W
126 W - 150 W	0 W	0 W	0 W

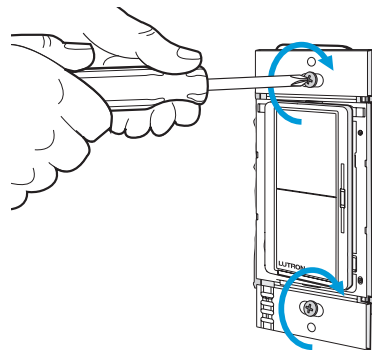
8 Connect the new Caséta Diva Smart dimmer

Location 1



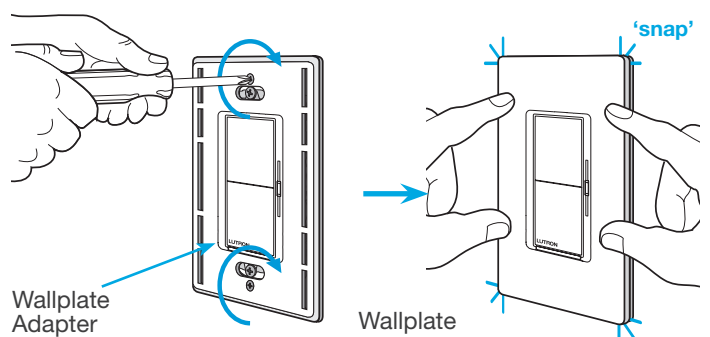
9 Mount the Caséta Diva Smart dimmer

Location 1



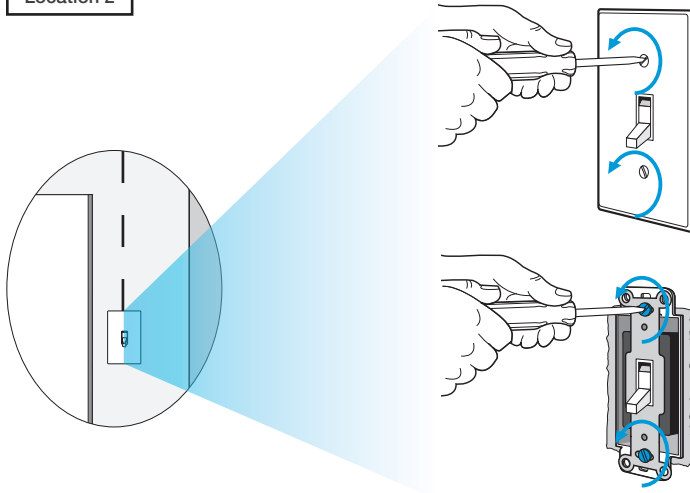
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

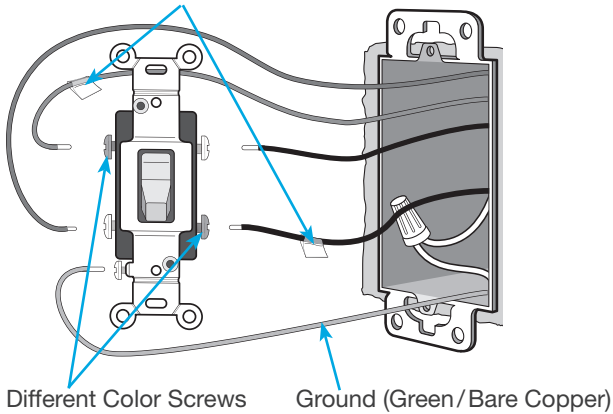
Location 2



12 Tag and disconnect wires from the existing switch

Location 2

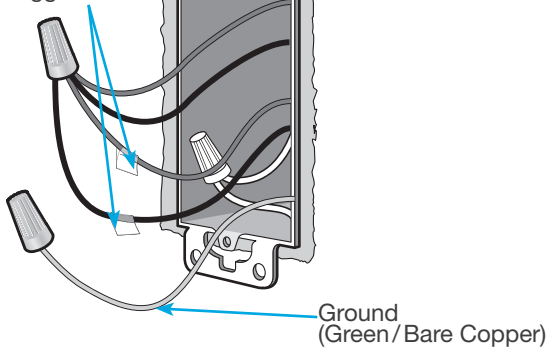
Place tags - to identify wires on different color screws



13 Connect the wires

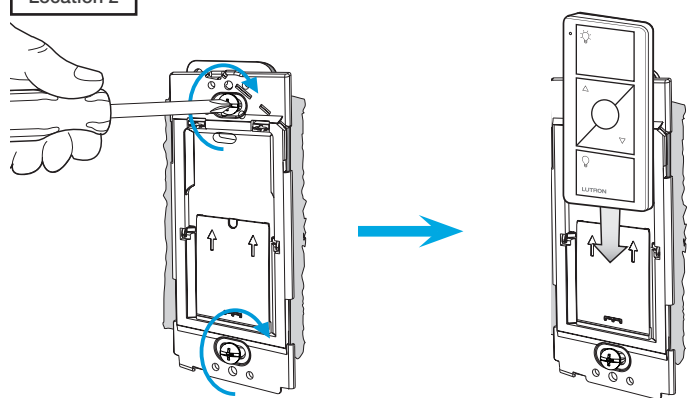
Location 2

Tagged Wires



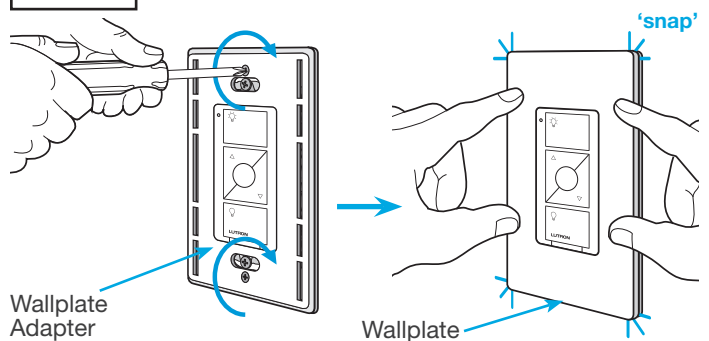
14 Attach the wallplate bracket and Pico remote control

Location 2



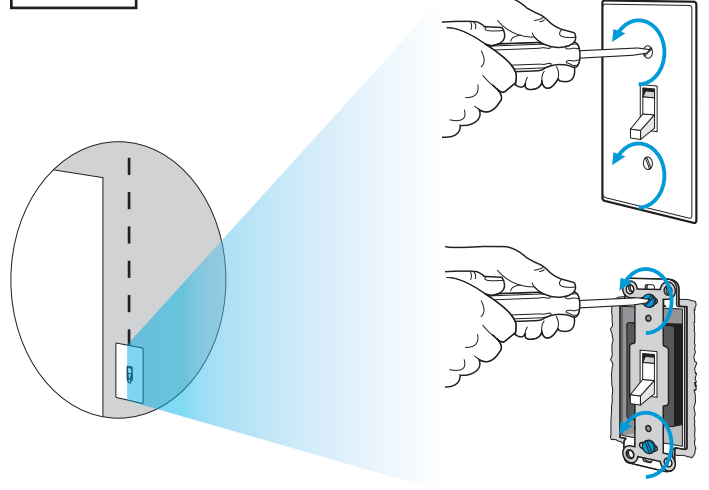
15 Attach the wallplate

Location 2

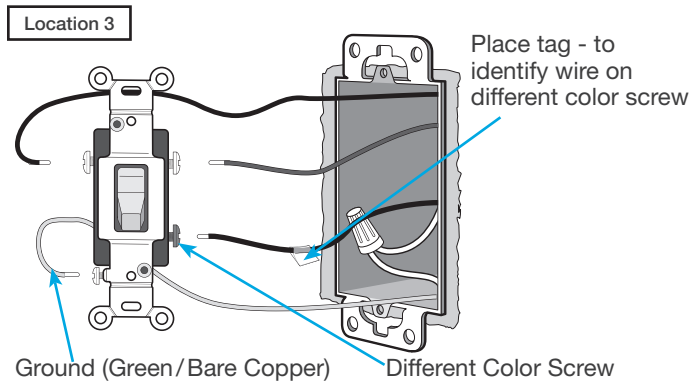


16 Remove existing switch from wall at Location 3

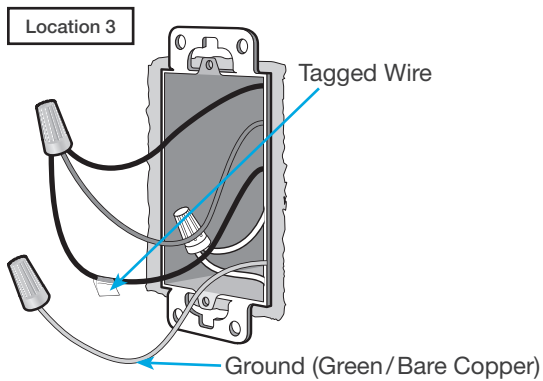
Location 3



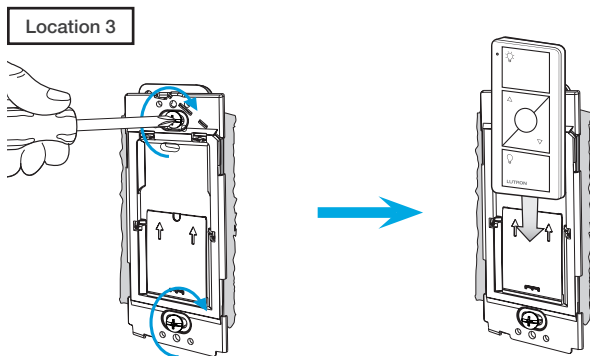
17 Tag and disconnect wires from the existing switch



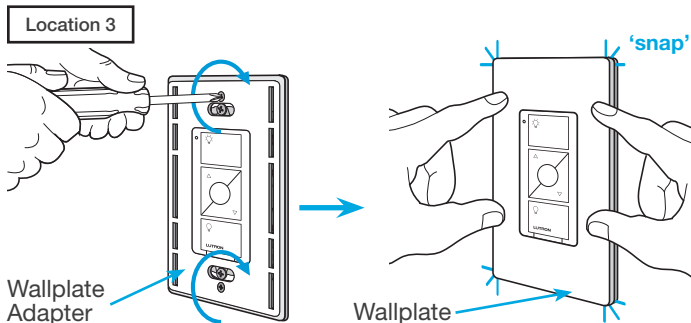
18 Connect the wires



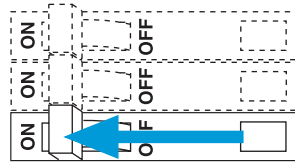
19 Attach the wallplate bracket and Pico remote control



20 Attach the wallplate

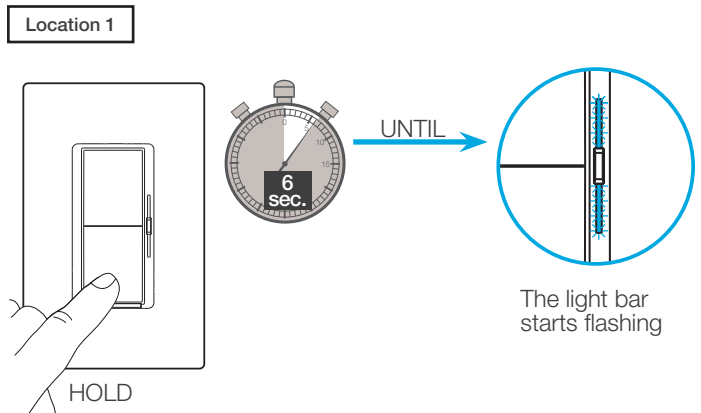


21 Turn power on at circuit breaker

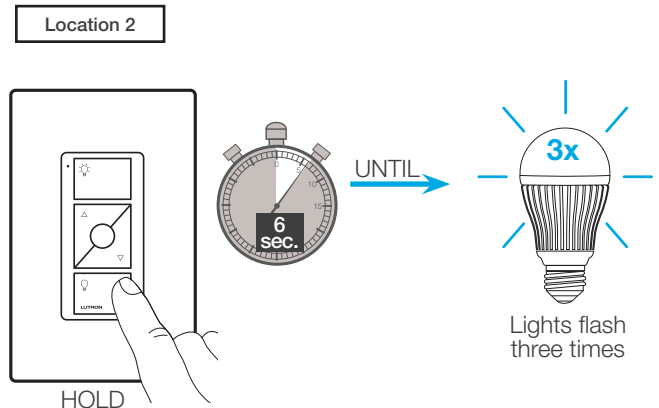


Pairing the dimmer and Pico remote controls

22 Press and hold "Off" button on dimmer



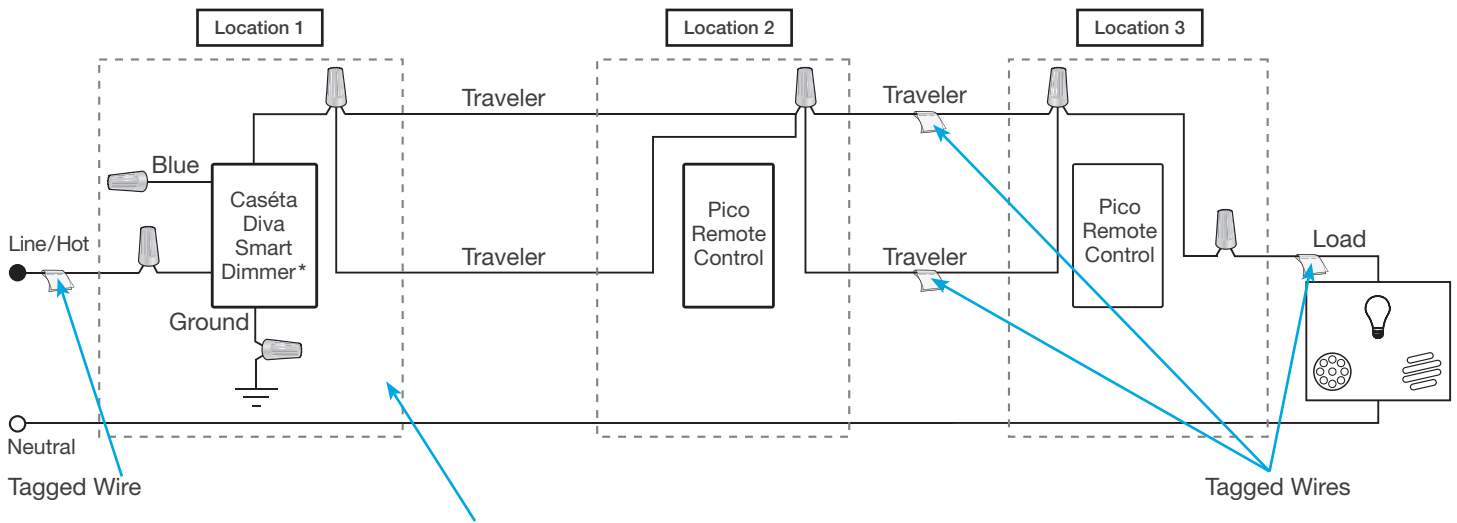
23 Press and hold "Off" button on remote control



24 Repeat for remote control at Location 3

Repeat steps 22 and 23 to pair remote control at Location 3.

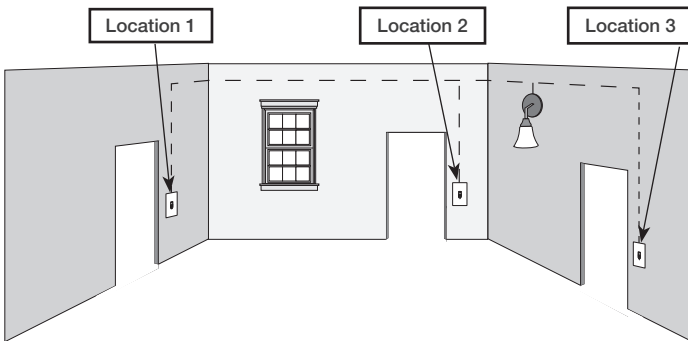
Schematic Diagram



* It is recommended to install dimmer in either Location 1 or 3.

NOTE: When using Picos in a multilocation installation with a Diva Smart dimmer the Black and Red wires are reversible.

1 Identify existing wiring



Three or more switches control the lights (multi-location installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If two switches control the lights (3-way installation) See [page 31](#), [page 47](#), or [page 54](#) for details

2 What you need for a multi-location installation



Switch
DVRF-5NS

+



Two Pico
remote controls
PJ2-2B

+



Two wallplate brackets
PICO-WBX-ADAPT

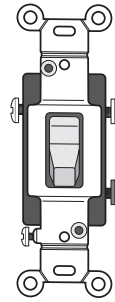
+



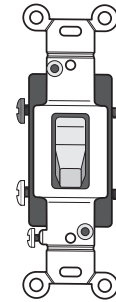
Three Claro wallplates
CW-1

3 Choose a location for your Caséta Claro Smart switch

NOTE: There will be two different types of existing switches in this application. Locations 1 and 3 will use 3-way switches (three screws which control the lights, plus one ground screw) and Location 2 will use a 4-way switch (four screws which control the lights, plus one ground screw). For easiest installation, we recommend replacing one of the 3-way switches with your Caséta Wireless switch (Locations 1 or 3). In this example, we will use Location 1.

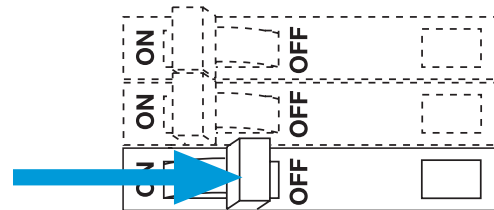


3-Way Switch
(Locations 1 and 3)



4-Way Switch
(Location 2)

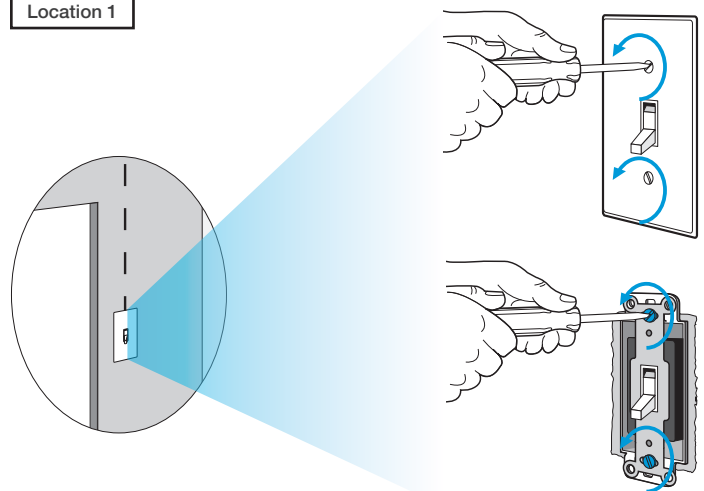
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall at Location 1

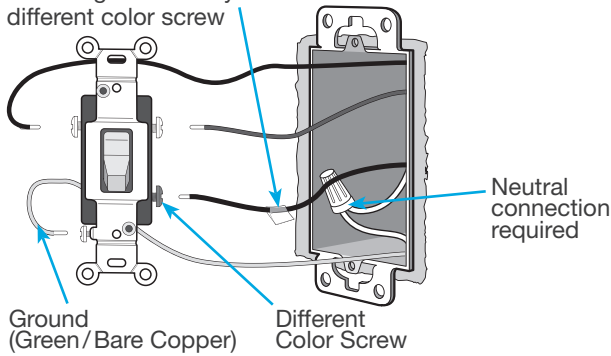
Location 1



6 Tag and disconnect wires from the existing switch

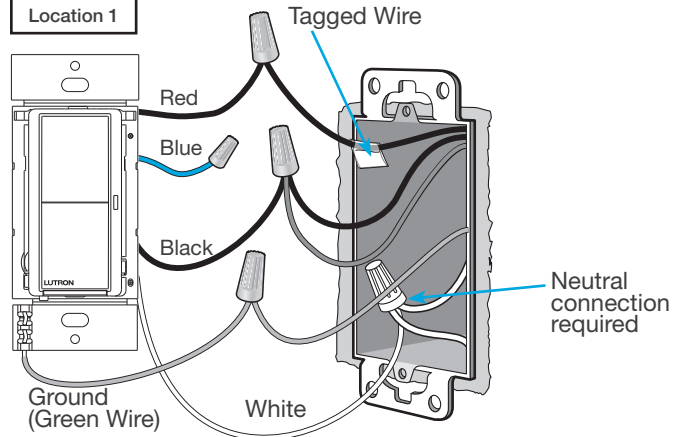
Location 1

Place tag - to identify wire on different color screw

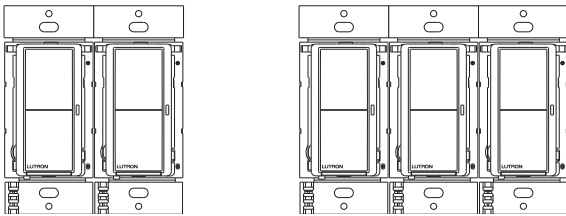


8 Connect the new Caséta Claro Smart switch

Location 1






7 Ganging and derating



Note: Claro Smart controls don't have fins but derating is still required. See the chart below.

Important note:

Ganging units together may reduce the switch's maximum wattage rating. See the chart below for maximum wattage information.

			
DVRF-5NS (120 V~) ¹	A	B	C
LED	5 A	5 A	5 A
Halogen/incandescent	600 W	600 W	600 W
Electronic Low-Voltage	600 VA	600 VA	600 VA
Magnetic Low-Voltage ²	600 VA	600 VA	600 VA
Fluorescent ³	5 A	5 A	5 A
General Purpose Fan	3 A	3 A	3 A

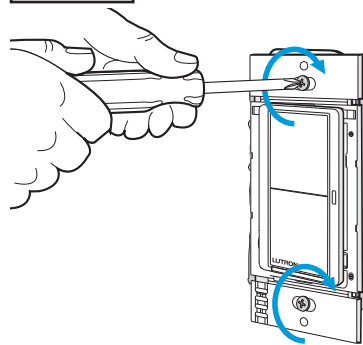
¹ Neutral required.

² The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the switch.

³ The switch is UL[®] Listed for use with all magnetic and electronic fluorescent ballasts.

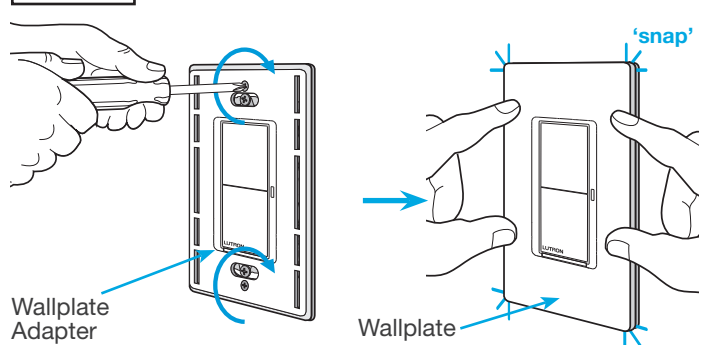
9 Mount the Caséta Claro Smart switch

Location 1

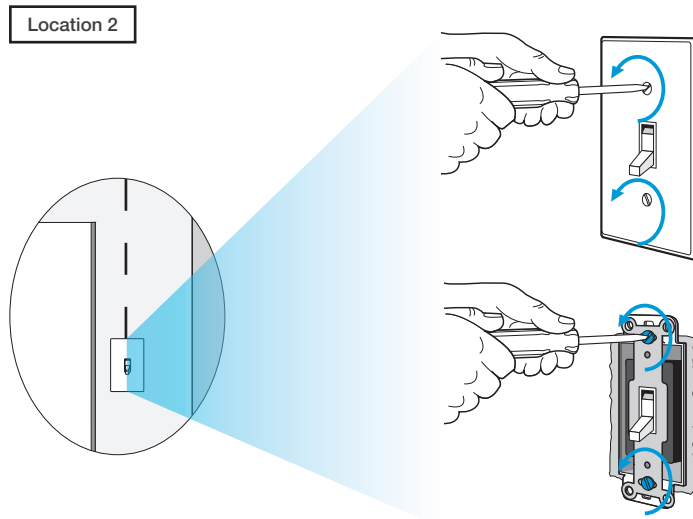


10 Attach the wallplate

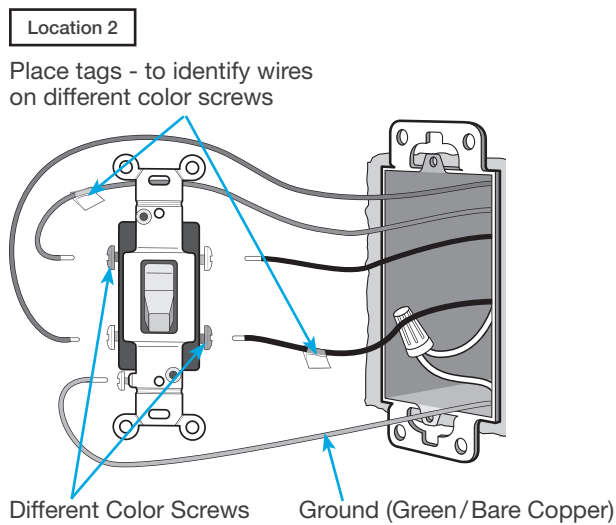
Location 1



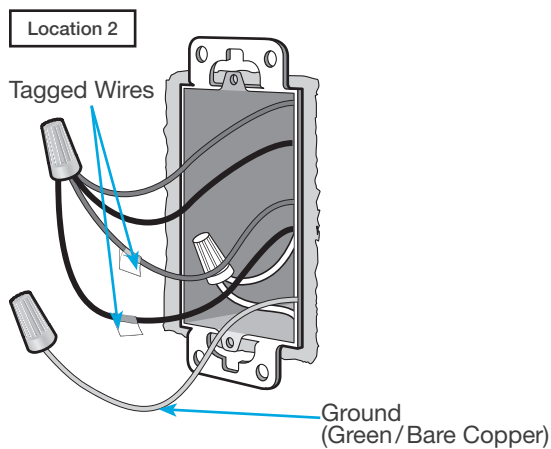
11 Remove existing switch from wall at Location 2



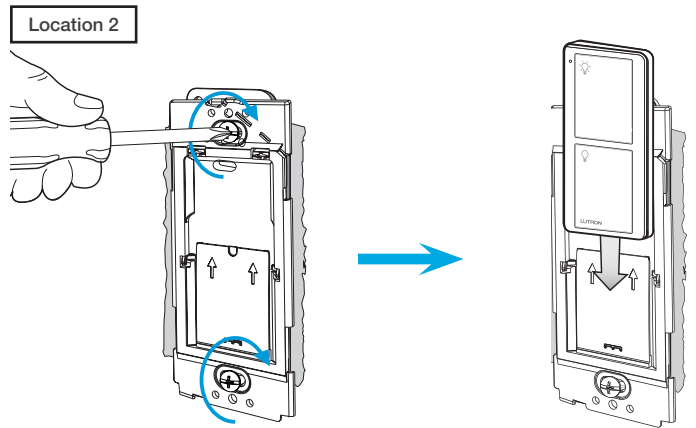
12 Tag and disconnect wires from the existing switch



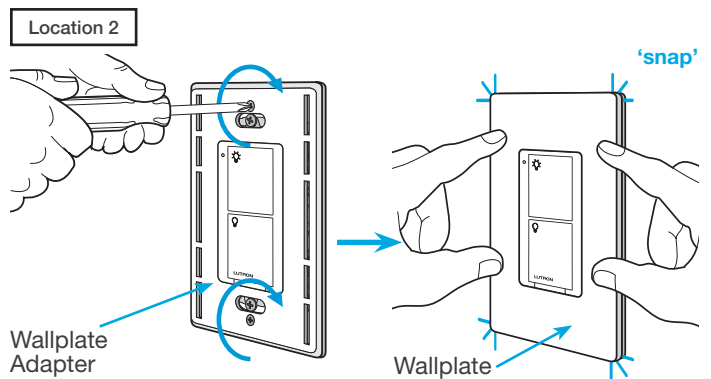
13 Connect the wires



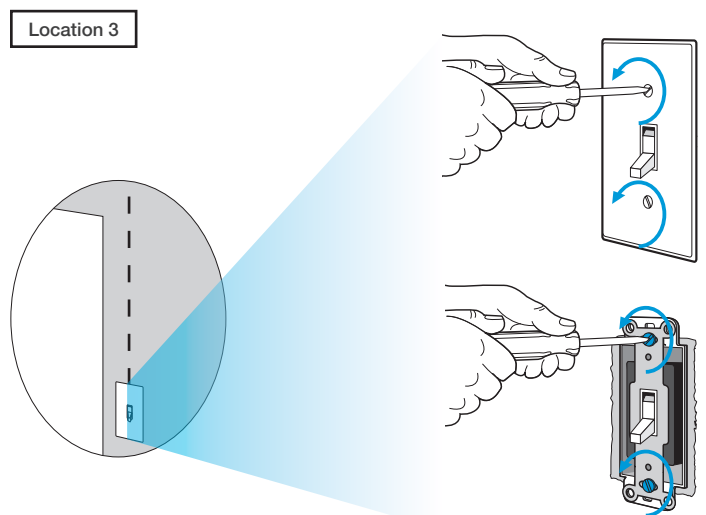
14 Attach the wallplate bracket and Pico remote control



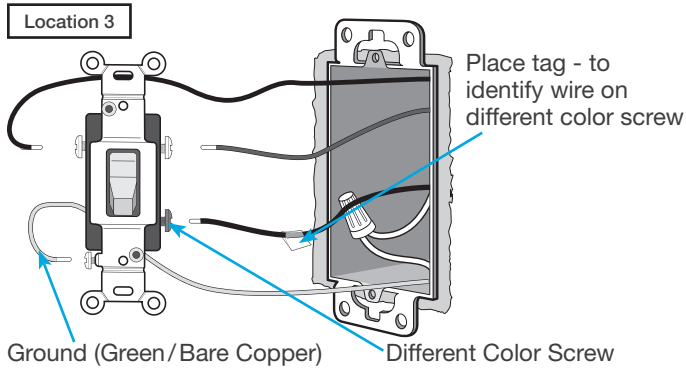
15 Attach the wallplate



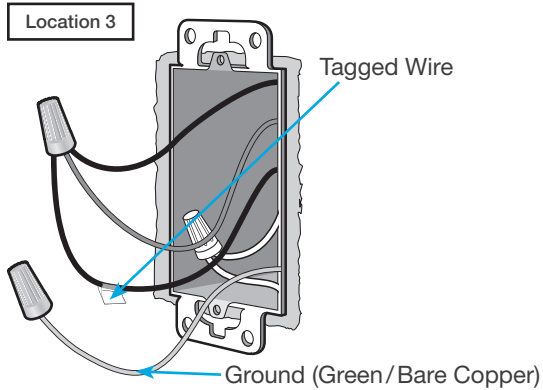
16 Remove existing switch from wall at Location 3



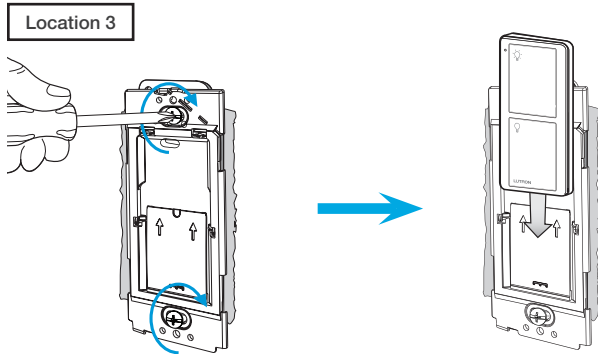
17 Tag and disconnect wires from the existing switch



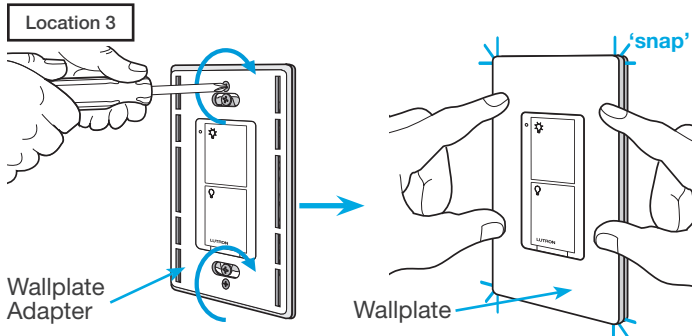
18 Connect the wires



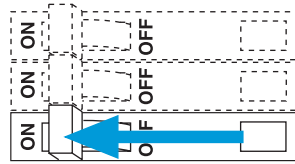
19 Attach the wallplate bracket and Pico remote control



20 Attach the wallplate

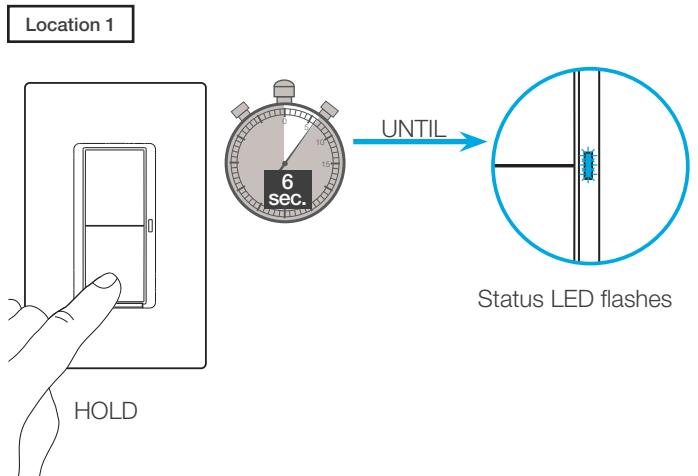


21 Turn power on at circuit breaker

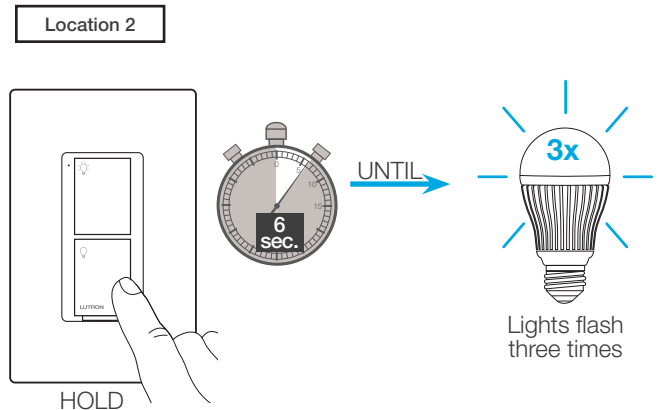


Pairing the switch and Pico remote controls

22 Press and hold "Off" button on switch



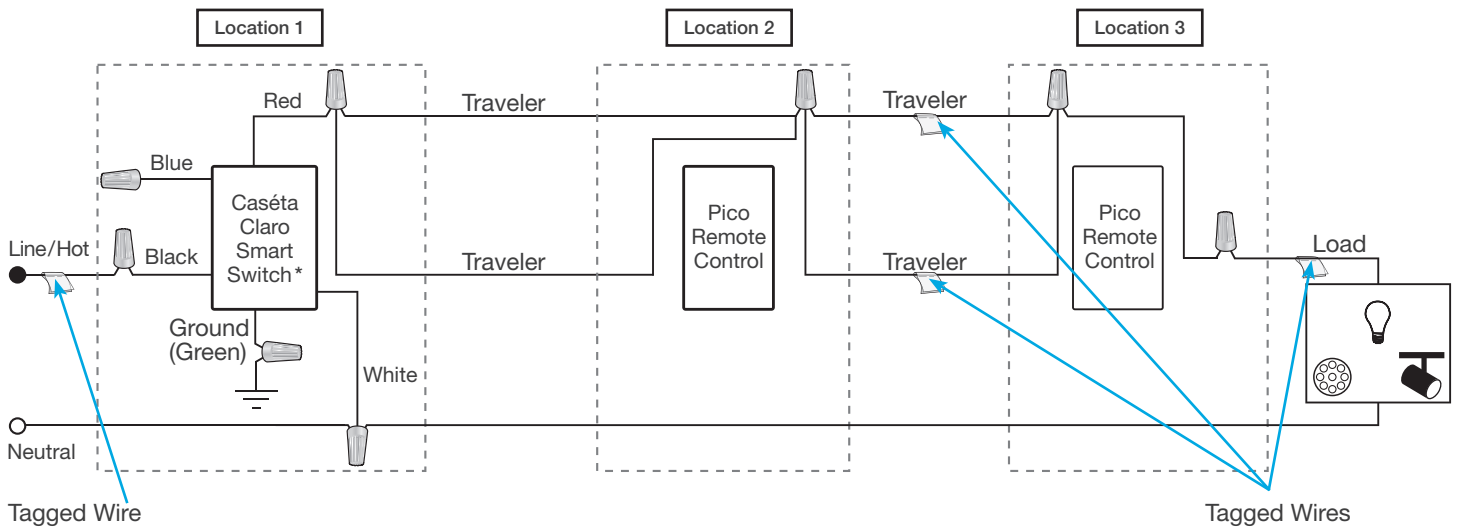
23 Press and hold "Off" button on remote control



24 Repeat for remote control at Location 3

Repeat steps 22 and 23 to pair remote control at Location 3.

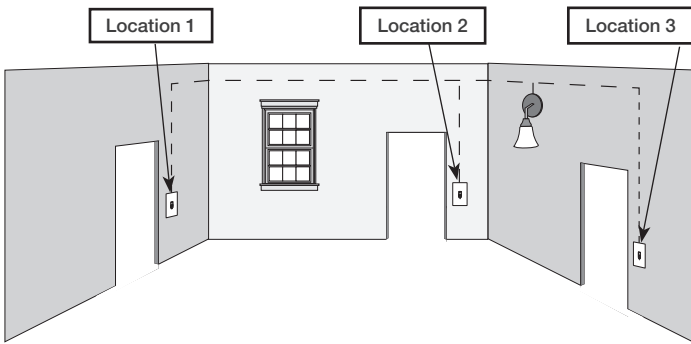
Schematic Diagram



* It is recommended to install switch in either Location 1 or 3.

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

1 Identify existing wiring



Three or more switches control the lights (multi-location installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your dimmer
- If two switches control the lights (3-way installation) See [page 27](#), [page 44](#), or [page 50](#) for details

2 What you need for a multi-location installation



Diva Smart dimmer
DVRF-6L



Three Claro wallplates
CW-1

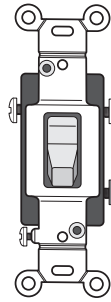


Two Claro Smart accessory switches
DVRF-AS

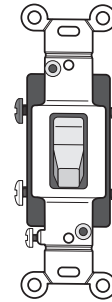


3 Choose a location for your Caséta Diva Smart dimmer

NOTE: There will be two different types of existing switches in this application. Locations 1 and 3 will use 3-way switches (three screws which control the lights, plus one ground screw) and Location 2 will use a 4-way switch (four screws which control the lights, plus one ground screw). For easiest installation, we recommend replacing one of the 3-way switches with your dimmer (Locations 1 or 3). In this example, we will use Location 1.

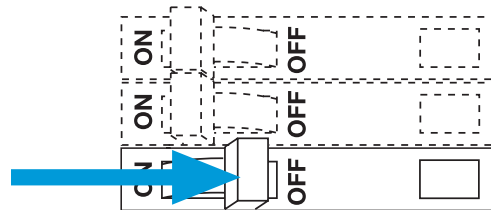


3-Way Switch
(Locations 1 and 3)



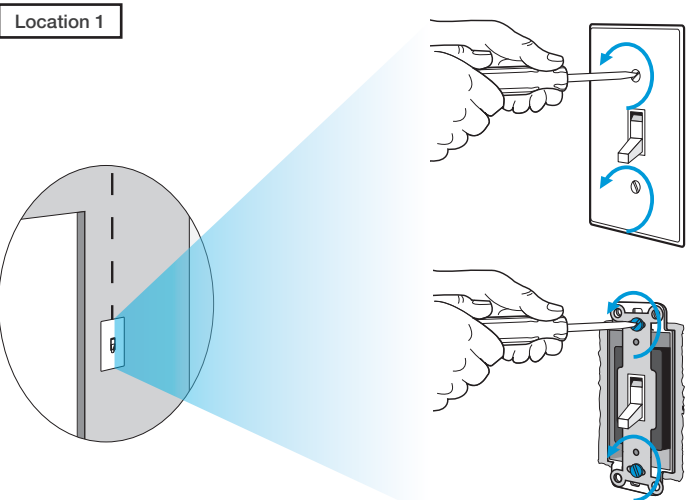
4-Way Switch
(Location 2)

4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

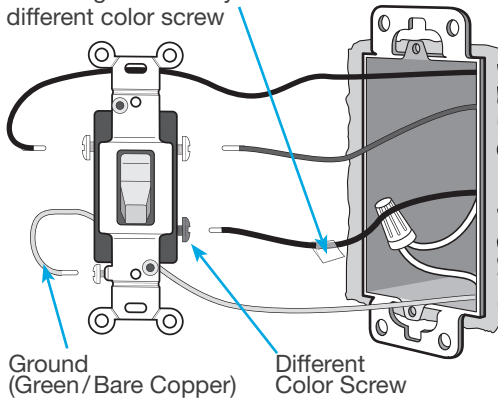
5 Remove existing switch from wall at Location 1



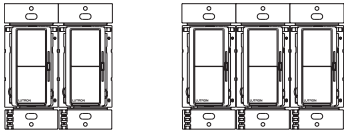
6 Tag and disconnect wires from the existing switch

Location 1

Place tag - to identify wire on different color screw



7 Ganging and derating



Note: Diva Smart models don't have fins but derating is still required. See the chart below.

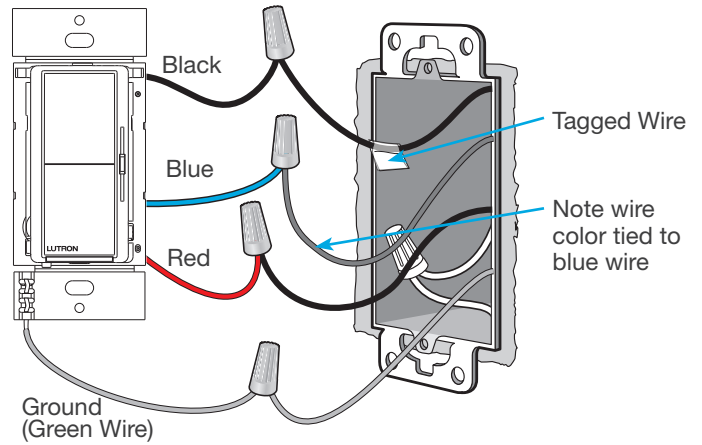
Important note:

Ganging units together may reduce the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

Total Dimmable LED Wattage	Incandescent/Halogen Total Wattage		
	A	B	C
0 W	+ 600 W	500 W	400 W
1 W - 25 W	+ 500 W	400 W	300 W
26 W - 50 W	+ 400 W	300 W	200 W
51 W - 75 W	+ 300 W	200 W	100 W
76 W - 100 W	+ 200 W	100 W	50 W
101 W - 125 W	+ 100 W	50 W	0 W
126 W - 150 W	+ 0 W	0 W	0 W

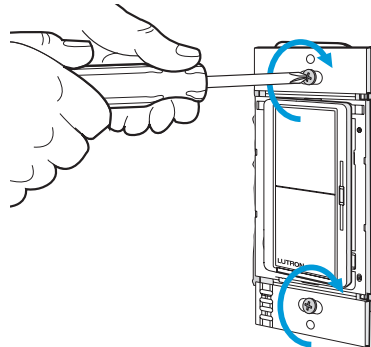
8 Connect the new Caséta Diva Smart dimmer

Location 1



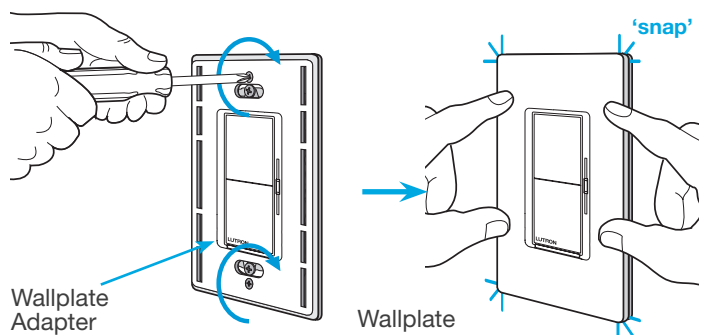
9 Mount the Caséta Diva Smart dimmer

Location 1



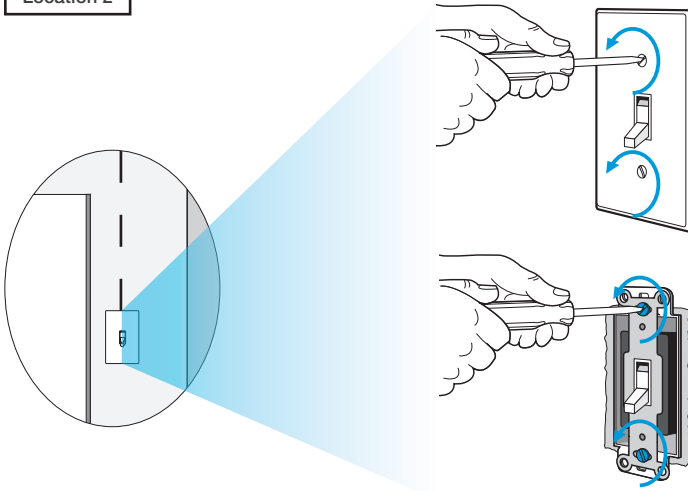
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

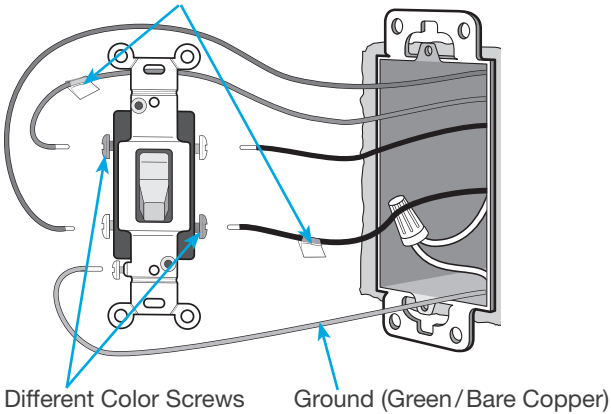
Location 2



12 Tag and disconnect wires from the existing switch

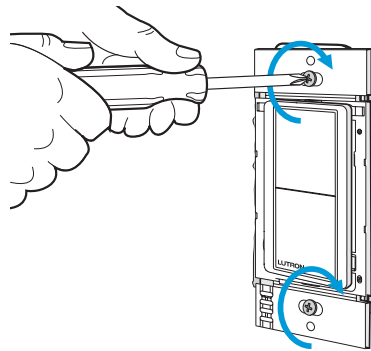
Location 2

Place tags - to identify wires on different color screws



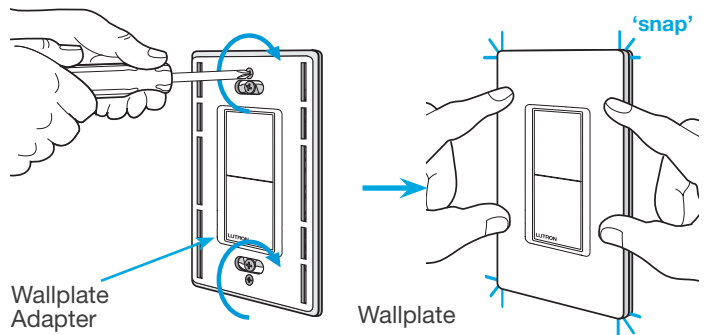
14 Mount the Claro Smart accessory switch

Location 2



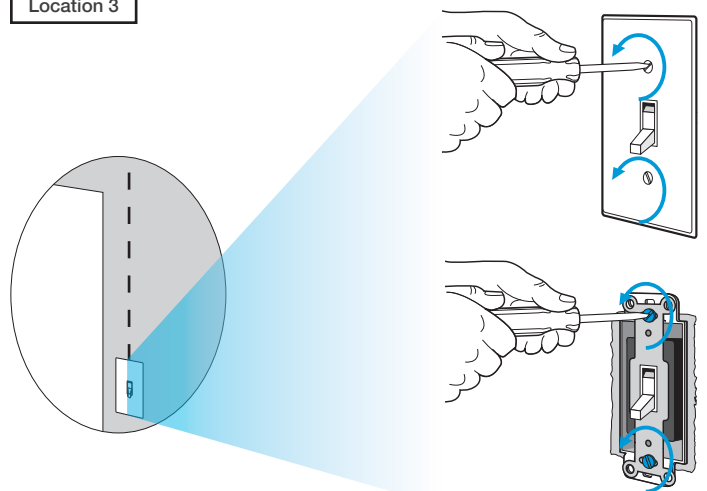
15 Attach the wallplate

Location 2



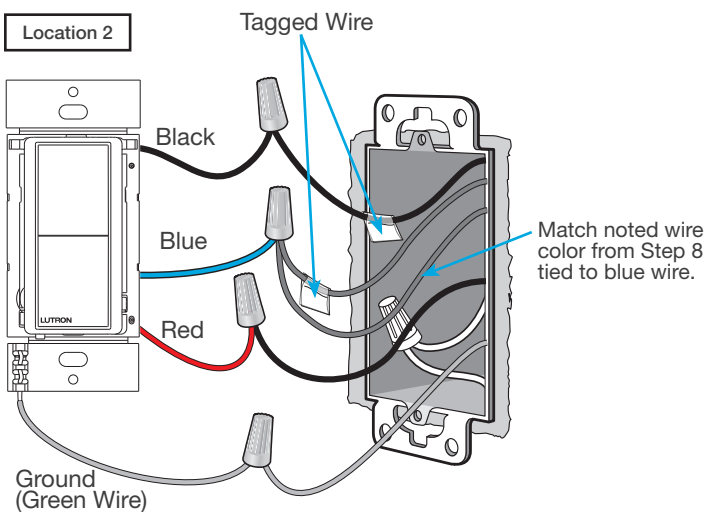
16 Remove existing switch from wall at Location 3

Location 3

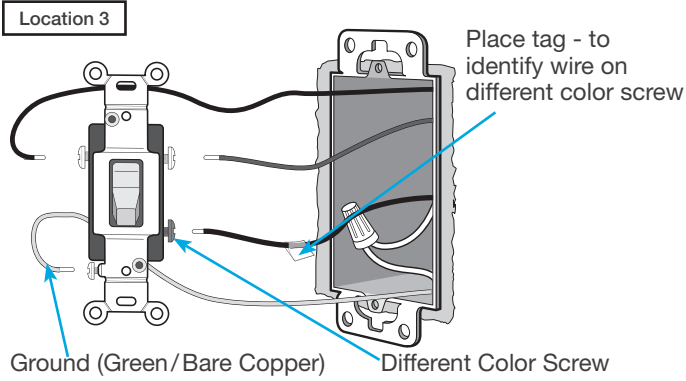


13 Connect the Claro Smart accessory switch for Location 2

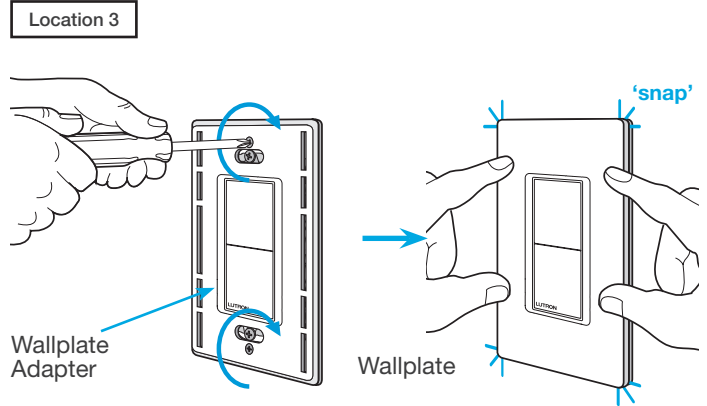
Location 2



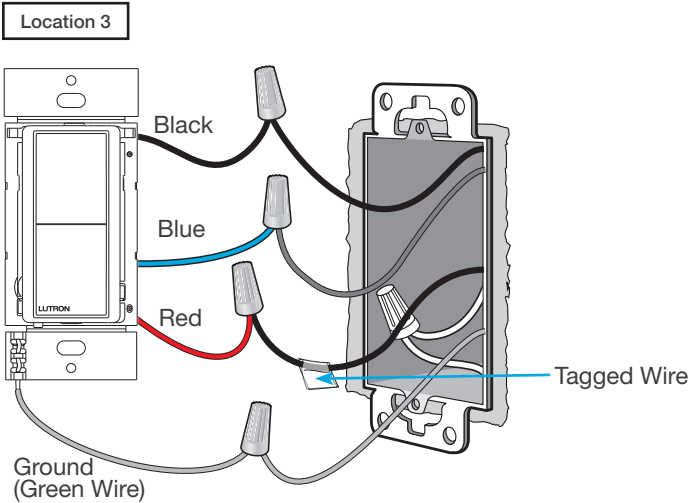
17 Tag and disconnect wires from the existing switch



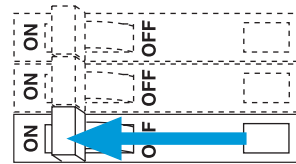
20 Attach the wallplate



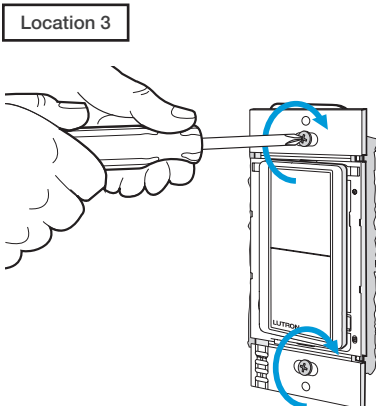
18 Connect the Claro Smart accessory switch for Location 3



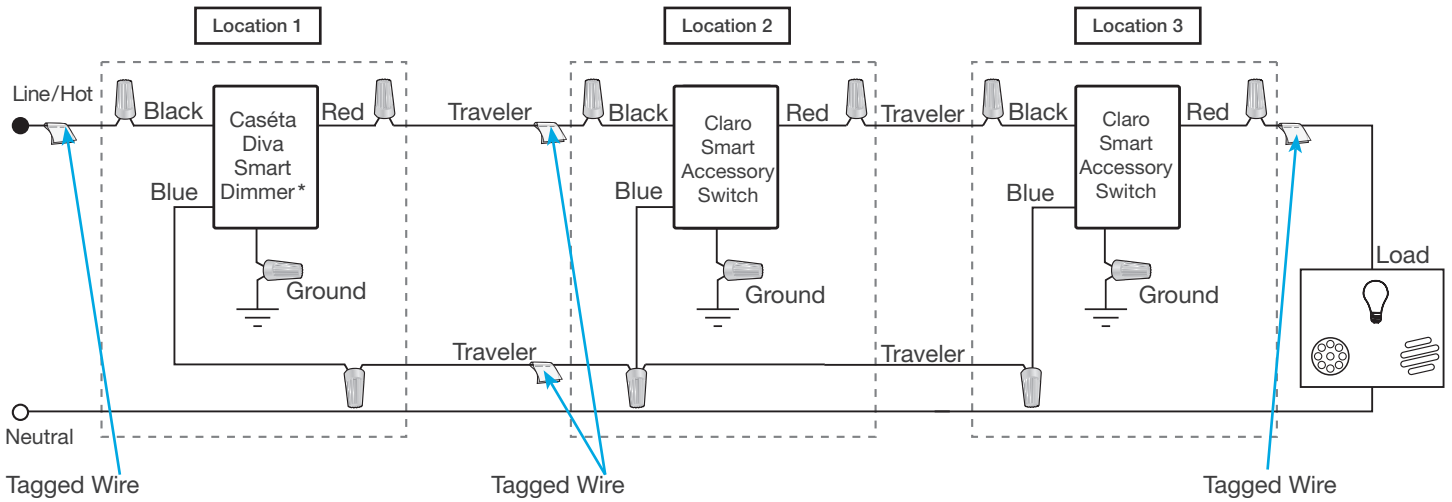
21 Turn power on at circuit breaker



19 Mount the Claro Smart accessory switch



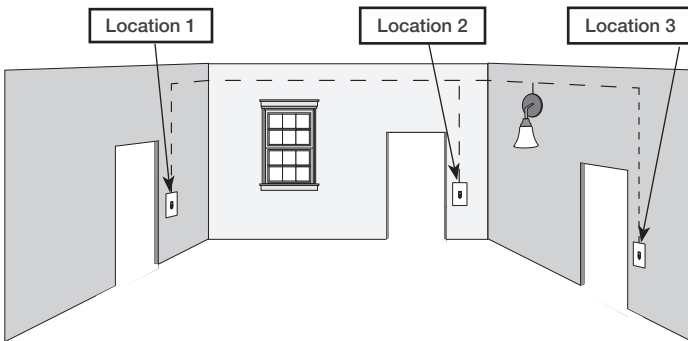
Schematic Diagram



* It is recommended to install dimmer in either Location 1 or 3.

Note: When using Claro Smart Accessory Switches in a multilocation installation with a Diva Smart dimmer, the Black and Red wires are reversible.

1 Identify existing wiring



Three or more switches control the lights (multi-location installation)

Important note:

- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If two switches control the lights (3-way installation) See [page 31](#), [page 47](#), or [page 54](#) for details

2 What you need for a multi-location installation



Claro Smart switch
DVRF-5NS

+



Three Claro wallplates
CW-1

+

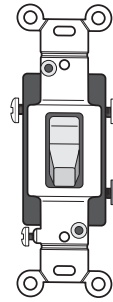


Two Claro Smart accessory switches
DVRF-AS

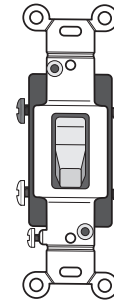


3 Choose a location for your Caséta Claro Smart switch

NOTE: There will be two different types of existing switches in this application. Locations 1 and 3 will use 3-way switches (three screws which control the lights, plus one ground screw) and Location 2 will use a 4-way switch (four screws which control the lights, plus one ground screw). For easiest installation, we recommend replacing one of the 3-way switches with your Caséta Wireless switch (Locations 1 or 3). In this example, we will use Location 1.

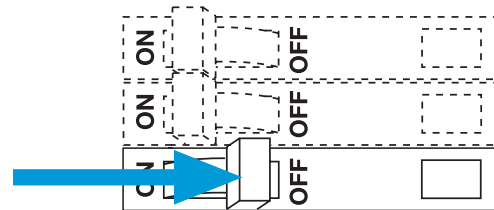


3-Way Switch
(Locations 1 and 3)



4-Way Switch
(Location 2)

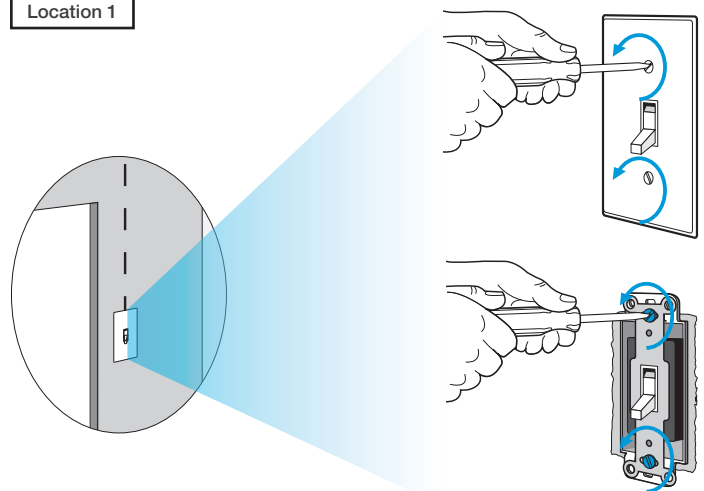
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall at Location 1

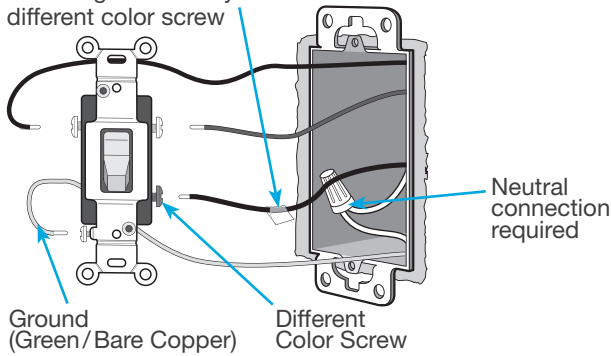
Location 1



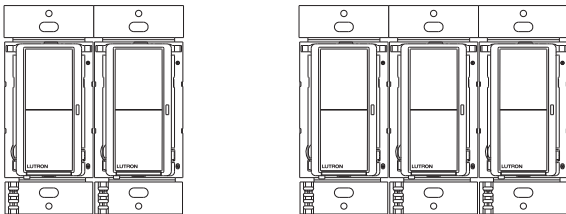
6 Tag and disconnect wires from the existing switch

Location 1

Place tag - to identify wire on different color screw



7 Ganging and derating



Note: Claro Smart models don't have fins but derating is still required. See the chart below.

Important note:

Ganging units together may reduce the switch's maximum wattage rating. See the chart below for maximum wattage information.

	A	B B	B C B
DVRF-5NS (120 V~)¹			
LED	5 A	5 A	5 A
Halogen/ incandescent	600 W	600 W	600 W
Electronic Low-Voltage	600 VA	600 VA	600 VA
Magnetic Low-Voltage ²	600 VA	600 VA	600 VA
Fluorescent ³	5 A	5 A	5 A
General Purpose Fan	3 A	3 A	3 A

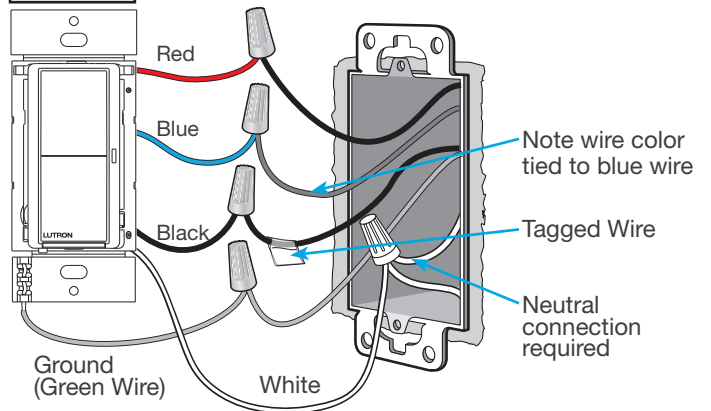
¹ Neutral required.

² The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the switch.

³ The switch is UL Listed for use with all magnetic and electronic fluorescent ballasts.

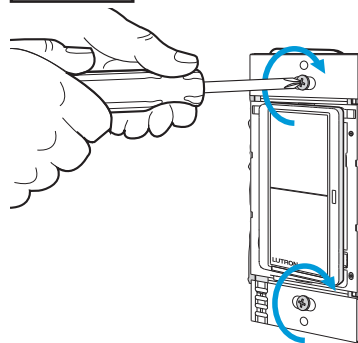
8 Connect the new Caséta Claro Smart switch

Location 1

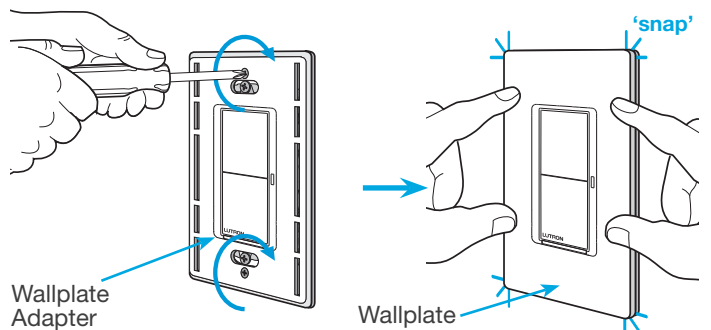


9 Mount the Caséta Claro Smart switch

Location 1

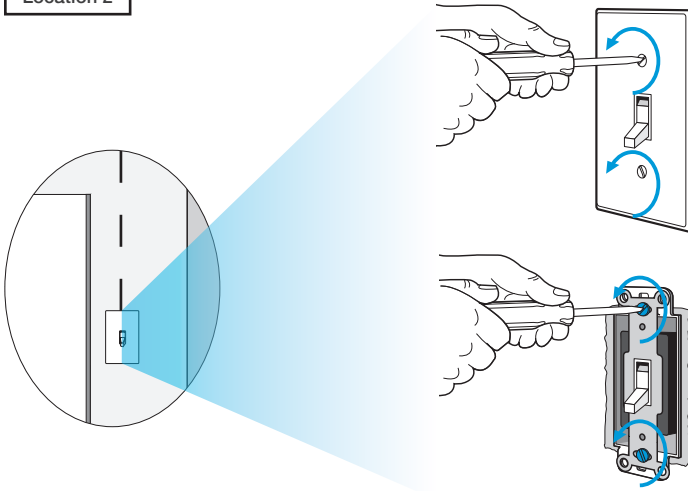


10 Attach the wallplate



11 Remove existing switch from wall at Location 2

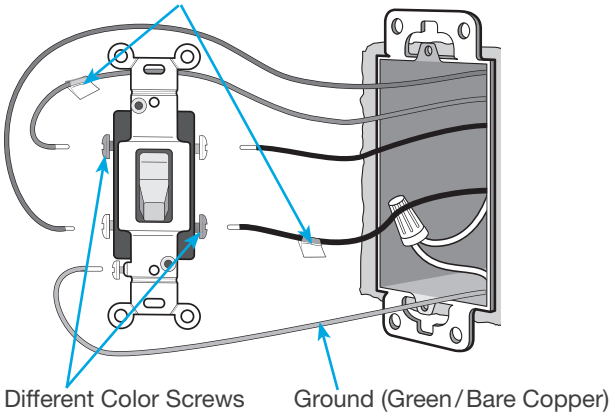
Location 2



12 Tag and disconnect wires from the existing switch

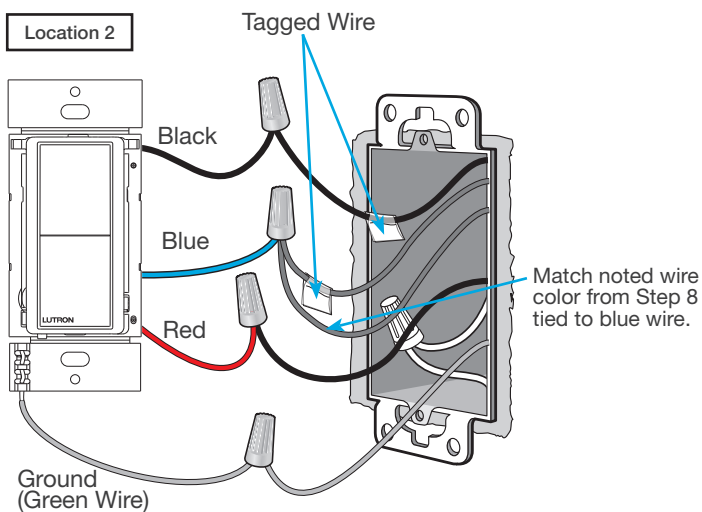
Location 2

Place tags - to identify wires on different color screws



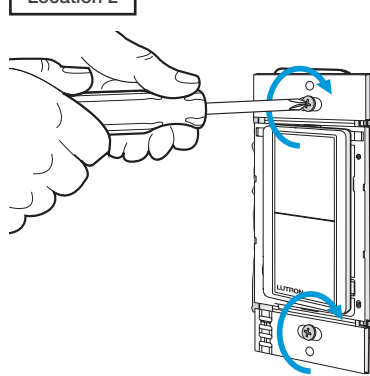
13 Connect the Claro Smart accessory switch for Location 2

Location 2



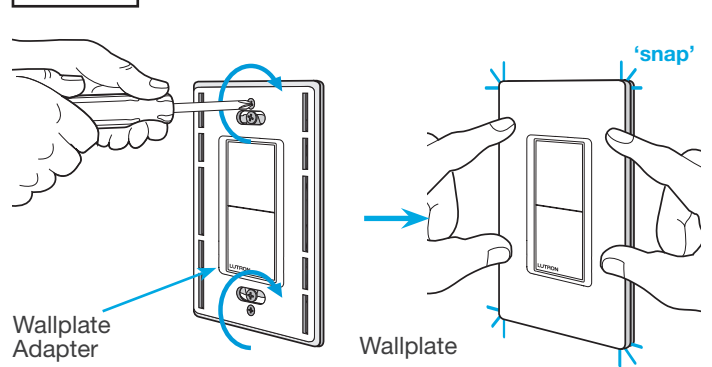
14 Mount the Claro Smart accessory switch

Location 2



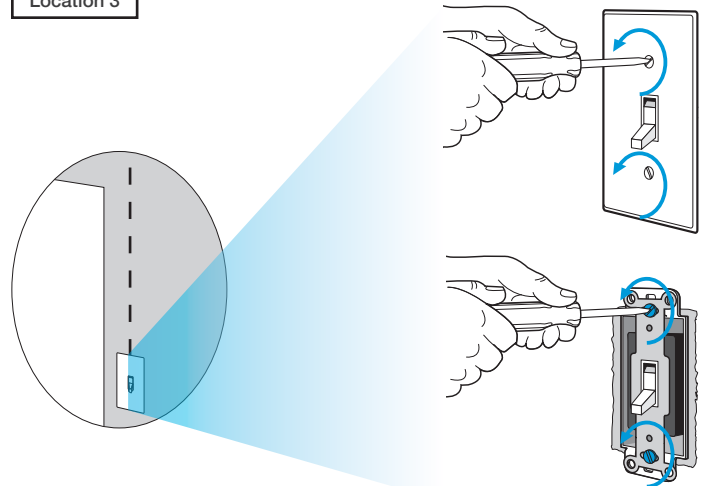
15 Attach the wallplate

Location 2

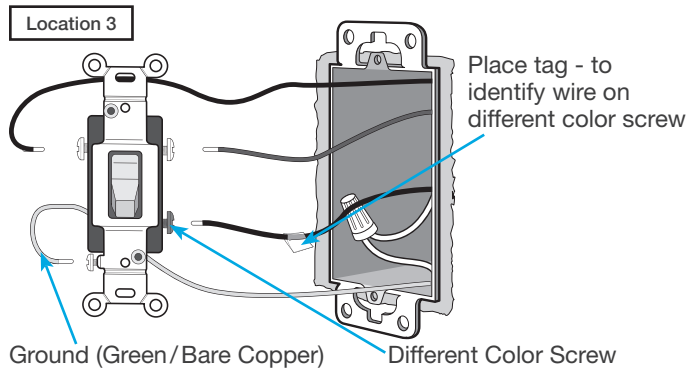


16 Remove existing switch from wall at Location 3

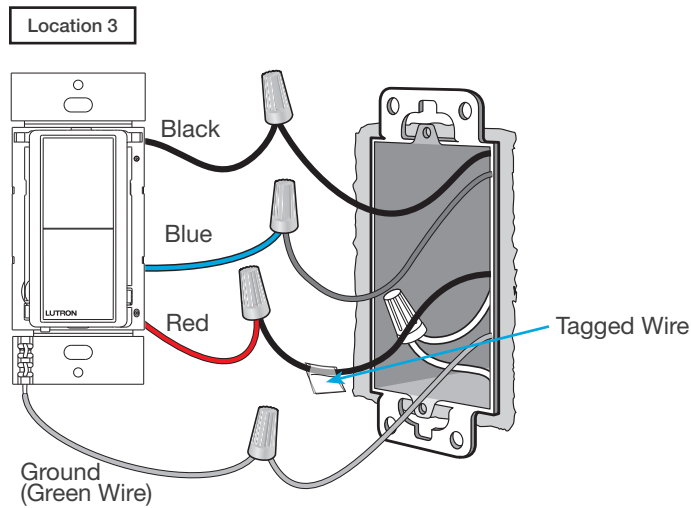
Location 3



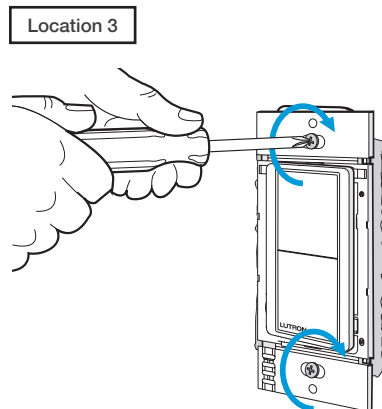
17 Tag and disconnect wires from the existing switch



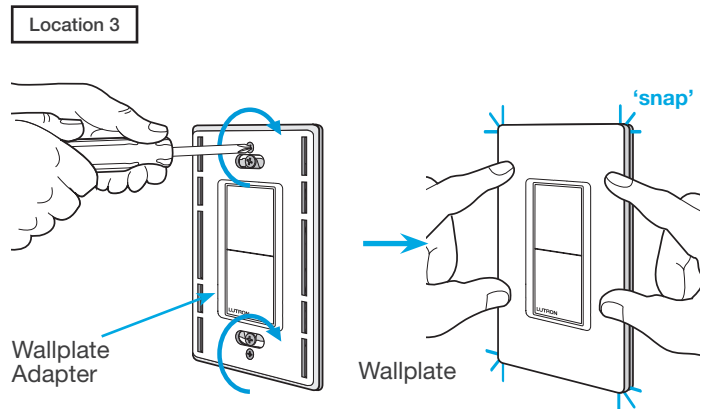
18 Connect the Claro Smart accessory switch for Location 3



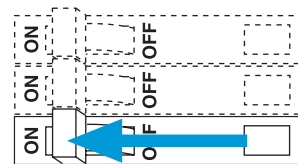
19 Mount the Claro Smart accessory switch



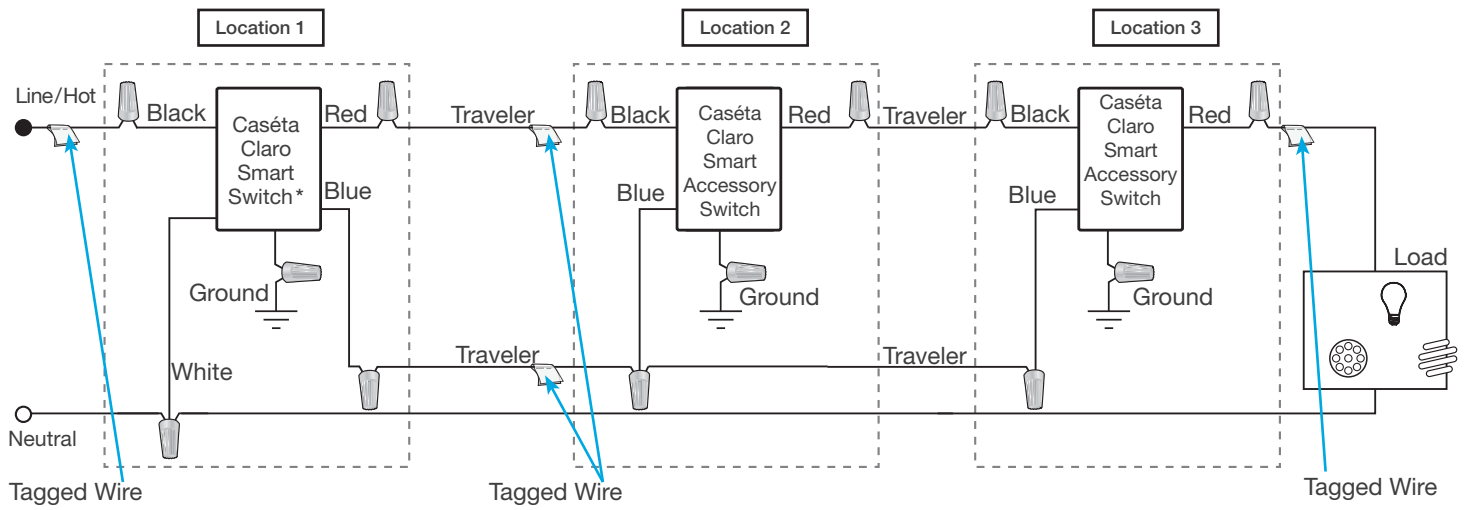
20 Attach the wallplate



21 Turn power on at circuit breaker

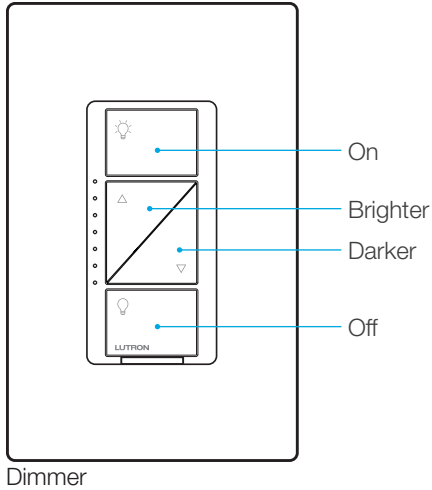


Schematic Diagram



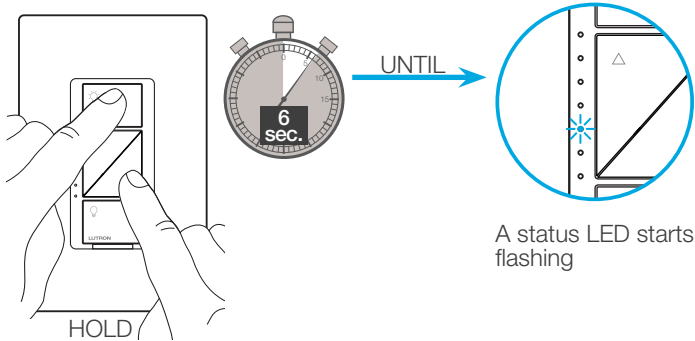
* It is recommended to install switch in either Location 1 or 3.

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

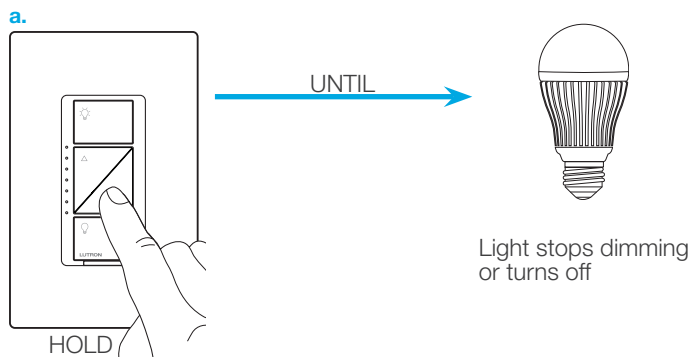


Adjusting Low-End Trim - To optimize performance of dimmable LED lamps

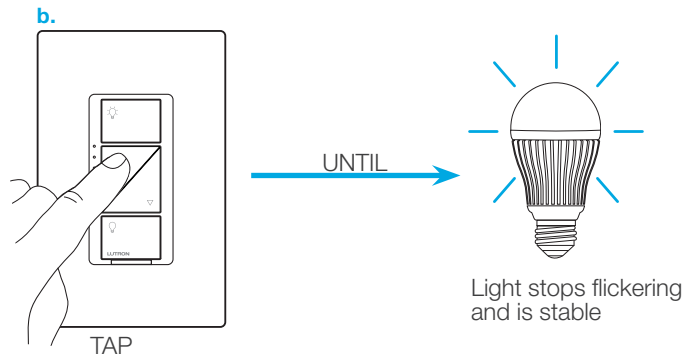
1 Enter



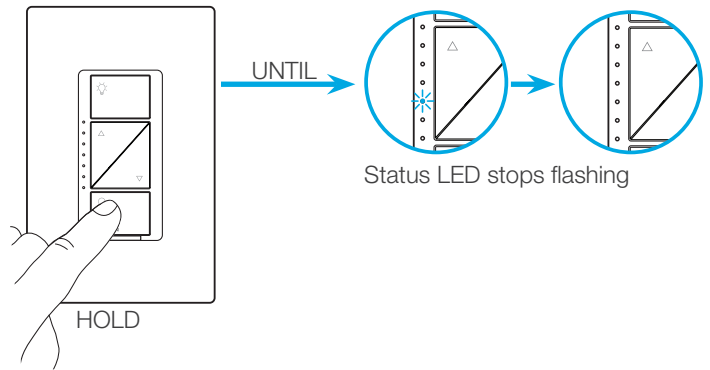
2 Adjust



2 Adjust (continued)

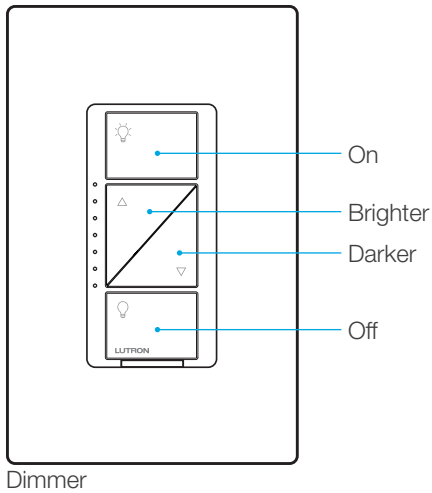


3 Save

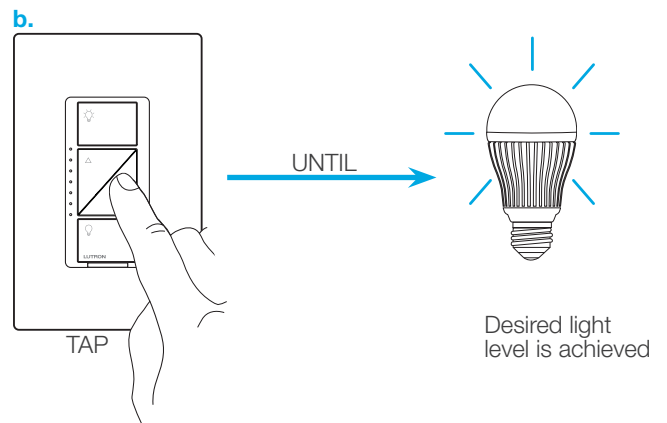


4 Verify

- Tap "Off" one time. Light will turn off.
 - Tap "Brighter" one time. Light will turn on.
 - If light is still off or is flickering, repeat steps 1-4.
-
-

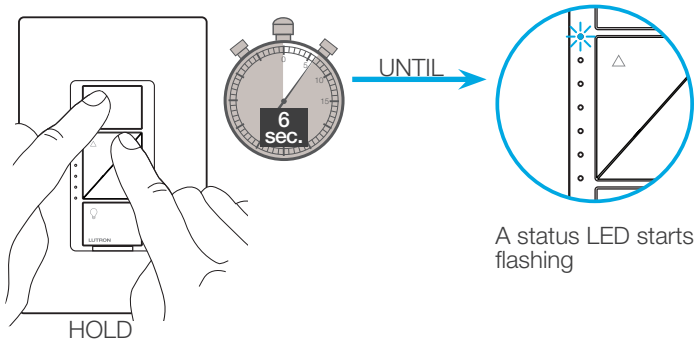


2 Adjust (continued)

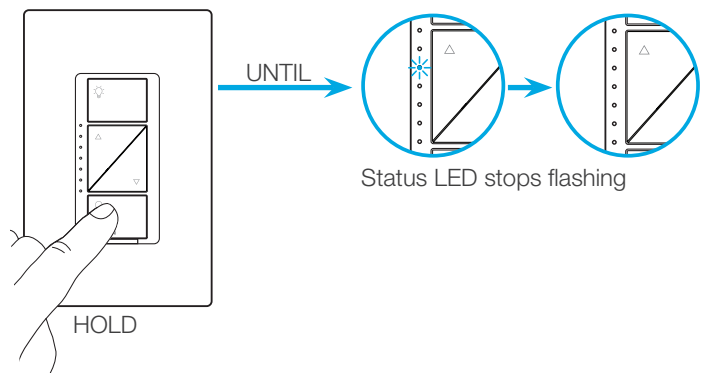


Adjusting High-End Trim -
To optimize performance of dimmable LED lamps

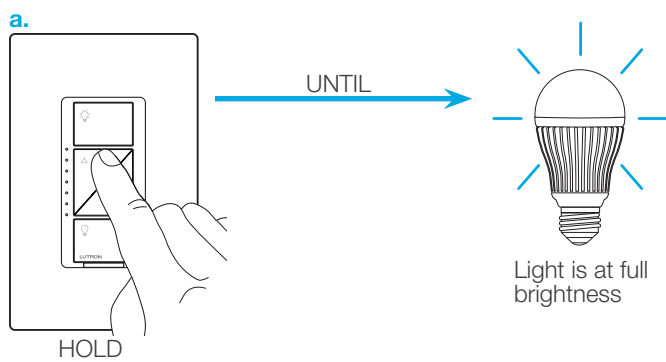
1 Enter

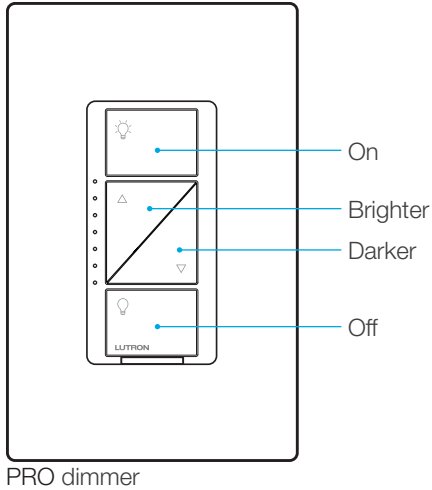


3 Save



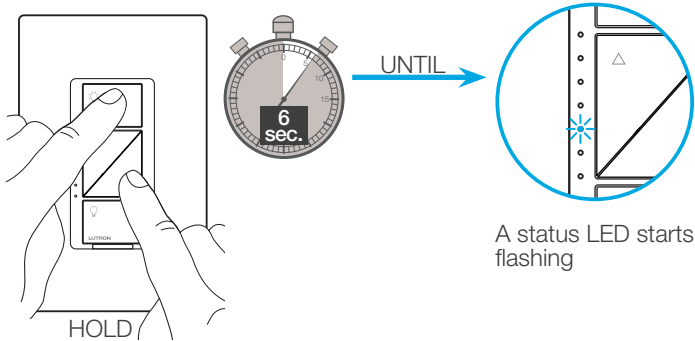
2 Adjust



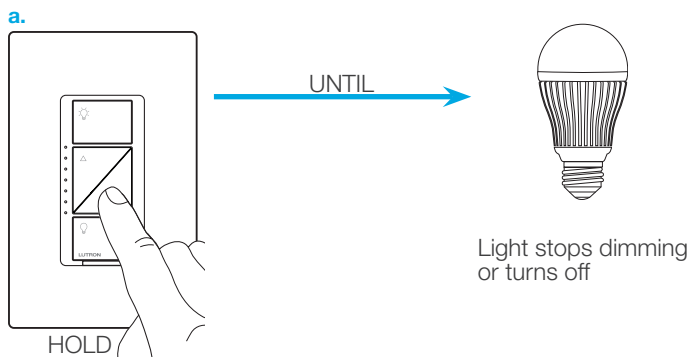


Adjusting Low-End Trim - To optimize performance of dimmable LED lamps

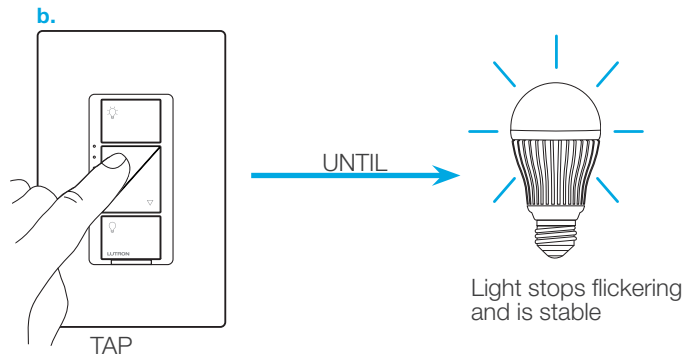
1 Enter



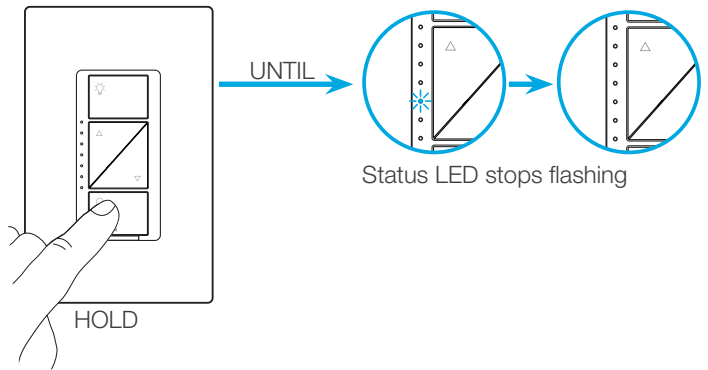
2 Adjust



2 Adjust (continued)

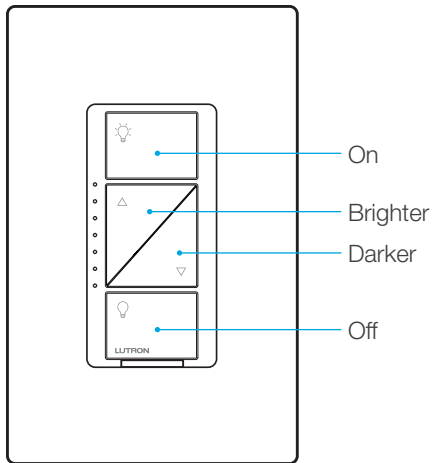


3 Save



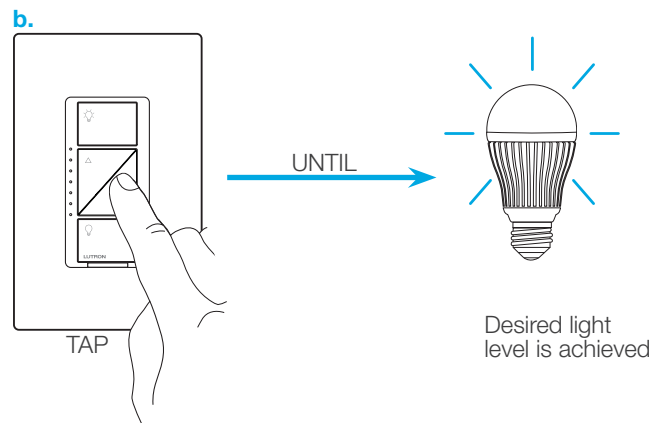
4 Verify

-
- a.
-
- b.
- Tap "Off" one time. Light will turn off.
 - Tap "Brighter" one time. Light will turn on.
 - If light is still off or is flickering, repeat steps 1-4.

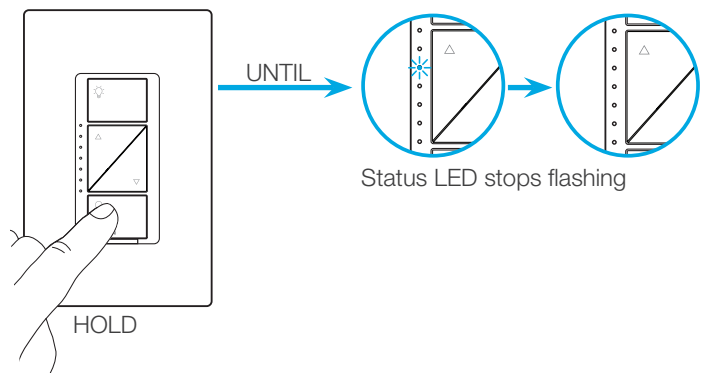


PRO dimmer

2 Adjust (continued)

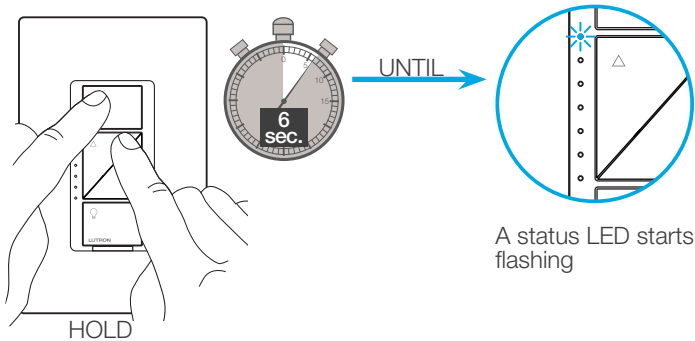


3 Save

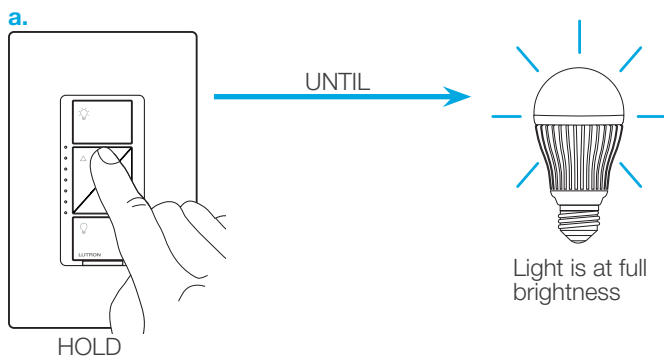


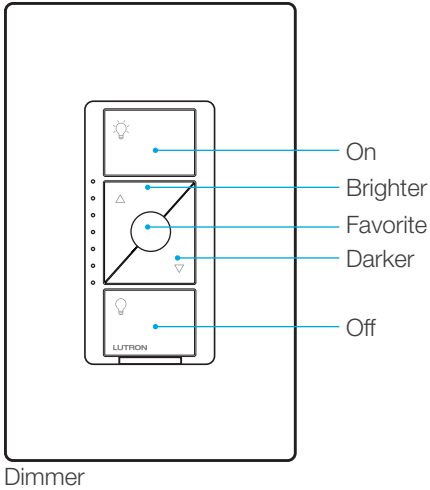
Adjusting High-End Trim -
To optimize performance of dimmable LED lamps

1 Enter

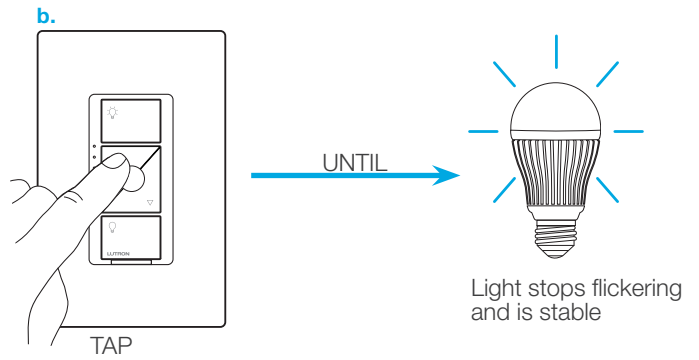


2 Adjust

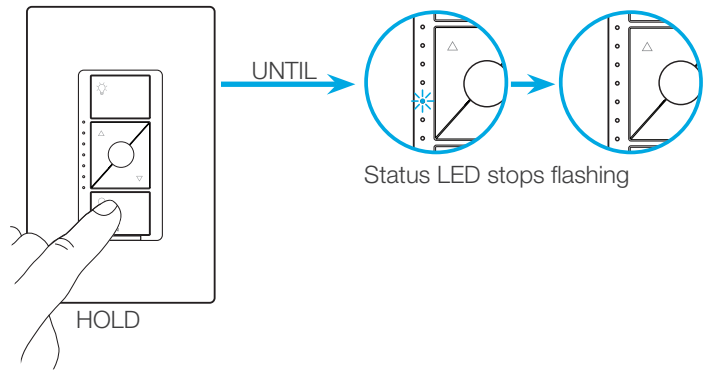




2 Adjust (continued)



3 Save

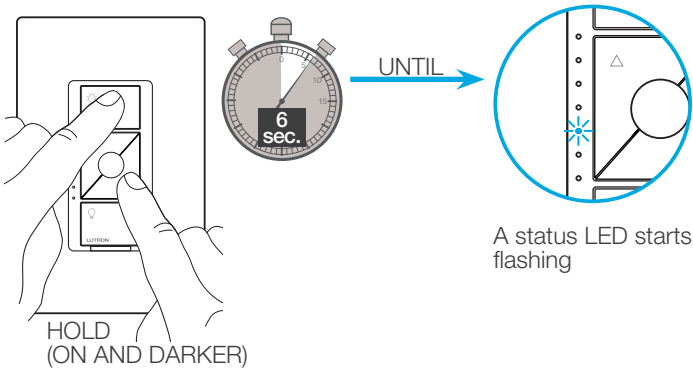


4 Verify

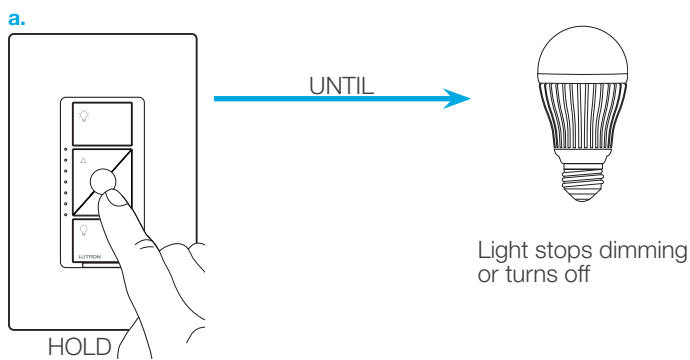
- Tap "Off" one time. Light will turn off.
- Tap "Brighter" one time. Light will turn on.
- If light is still off or is flickering, repeat steps 1-4.

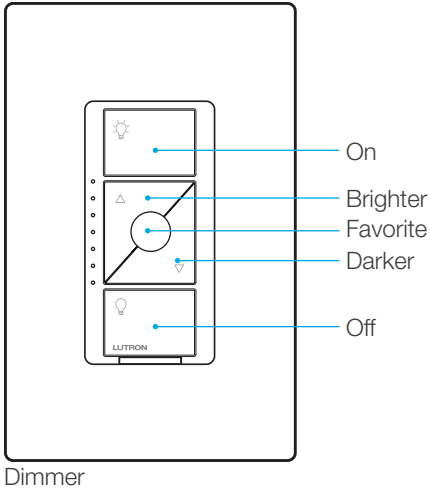
Adjusting Low-End Trim - To optimize performance of dimmable LED lamps

1 Enter

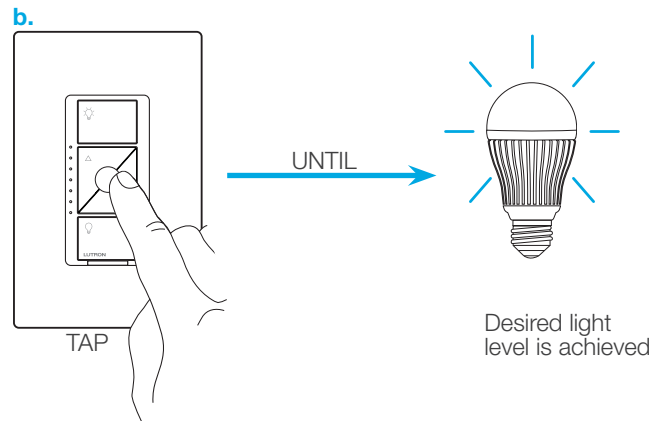


2 Adjust

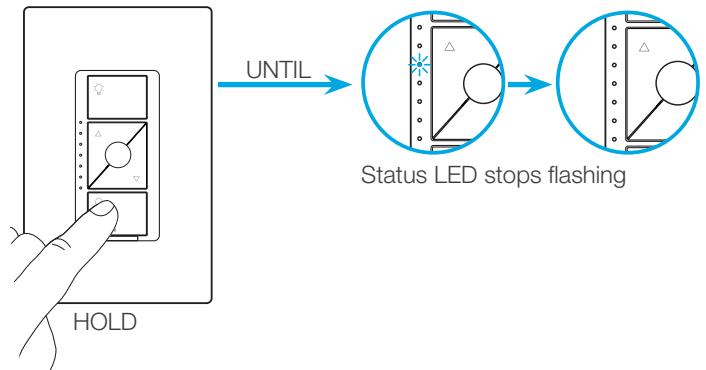




2 Adjust (continued)

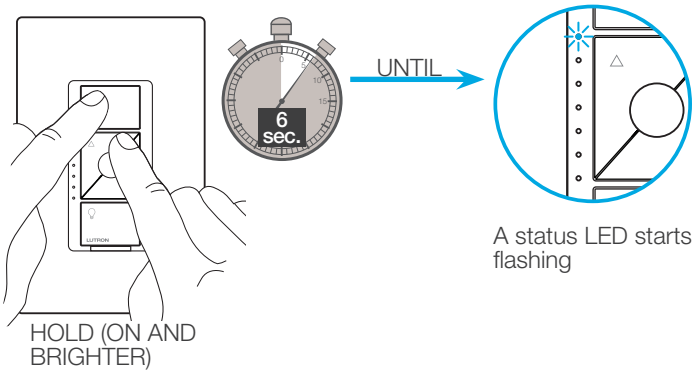


3 Save

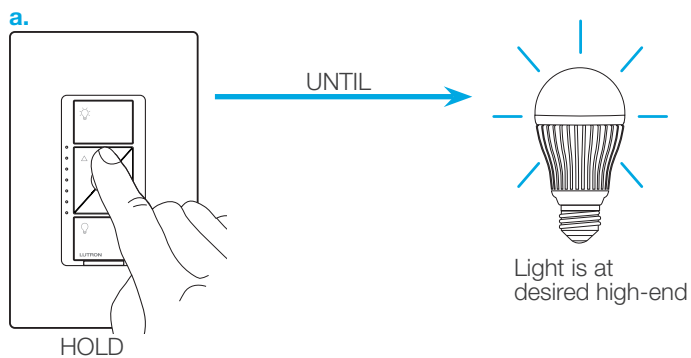


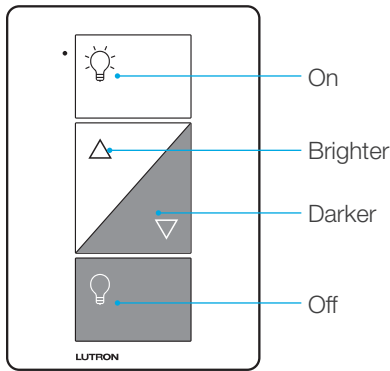
Adjusting High-End Trim - To optimize performance of dimmable LED lamps

1 Enter



2 Adjust

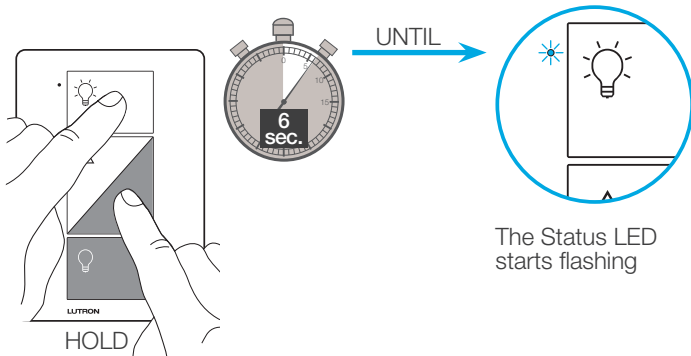




Plug-in lamp dimmer

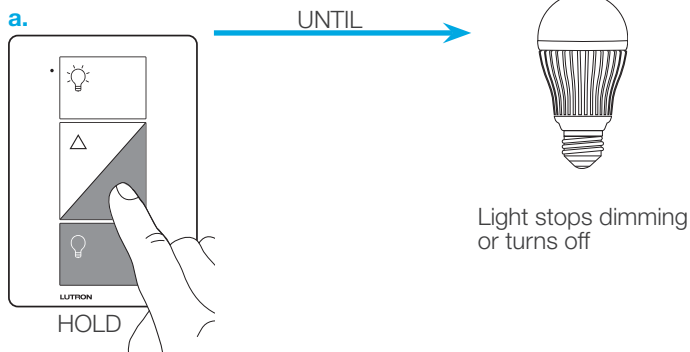
Adjusting Low-End Trim - To optimize performance of dimmable LED lamps

1 Enter



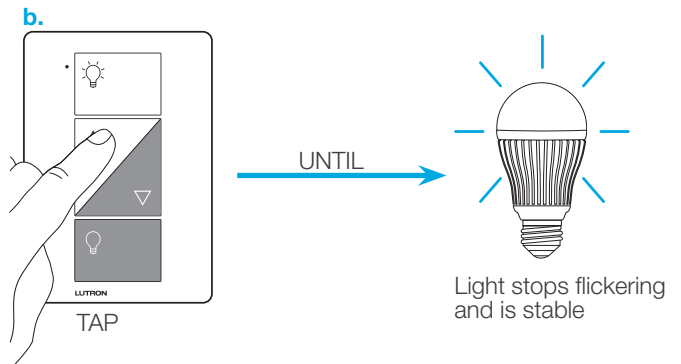
The Status LED starts flashing

2 Adjust



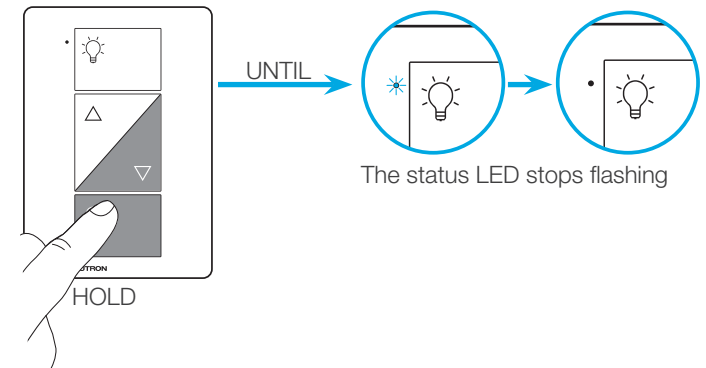
Light stops dimming or turns off

2 Adjust (continued)



Light stops flickering and is stable

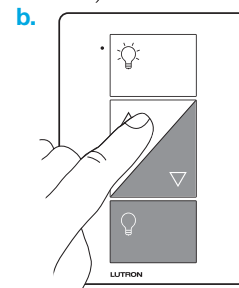
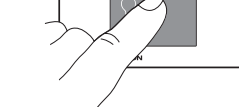
3 Save

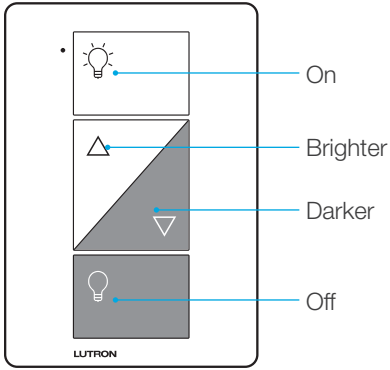


The status LED stops flashing

4 Verify

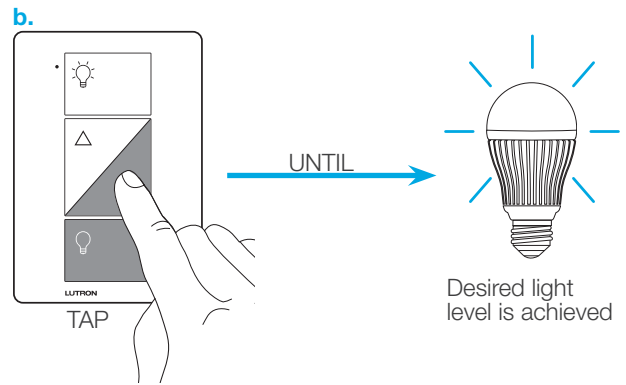
- Tap "Off" one time. Light will turn off.
- Tap "Brighter" one time. Light will turn on.
- If light is still off or is flickering, repeat steps 1-4.



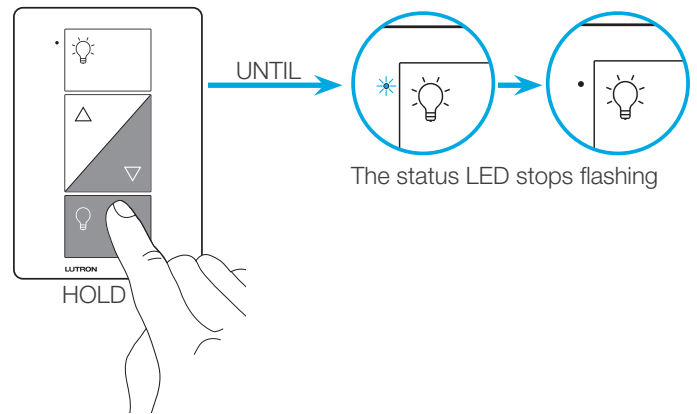


Plug-in lamp dimmer

2 Adjust (continued)

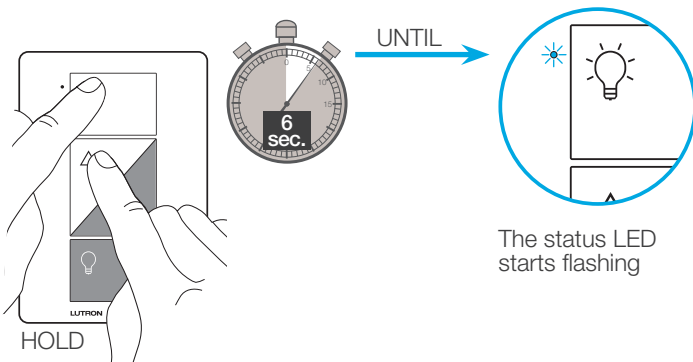


3 Save

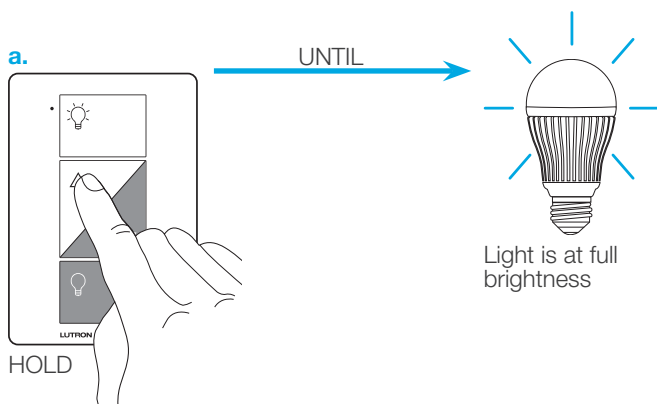


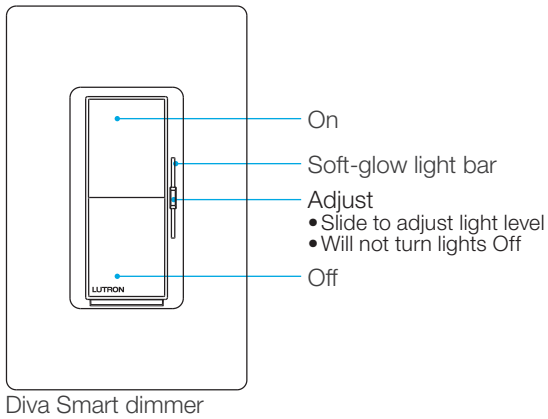
Adjusting High-End Trim - To optimize performance of dimmable LED lamps

1 Enter



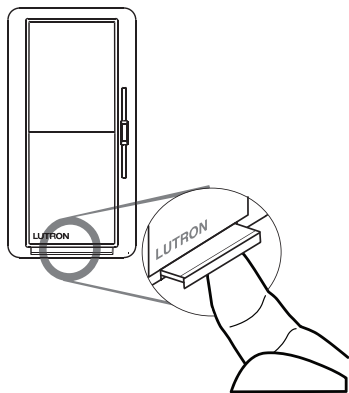
2 Adjust



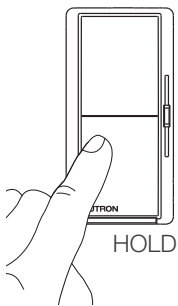


Adjusting Low-End Trim -
To optimize performance of dimmable LED lamps

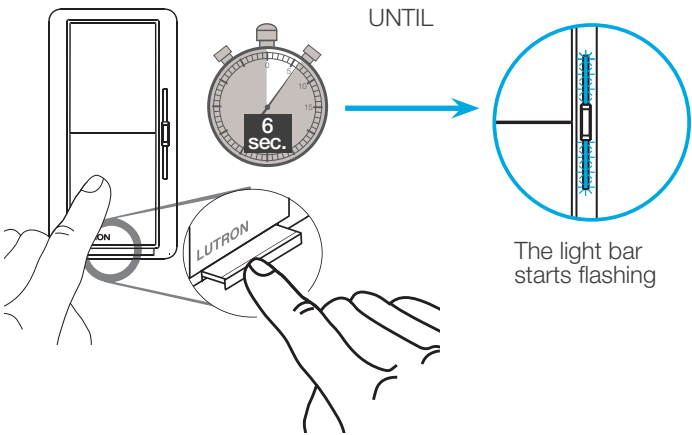
1 Pull the Front Accessible Service Switch (FASS) out to the open position



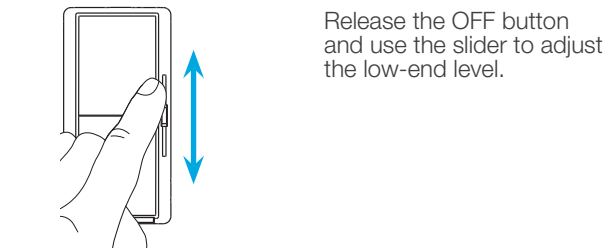
2 Press and hold the OFF button



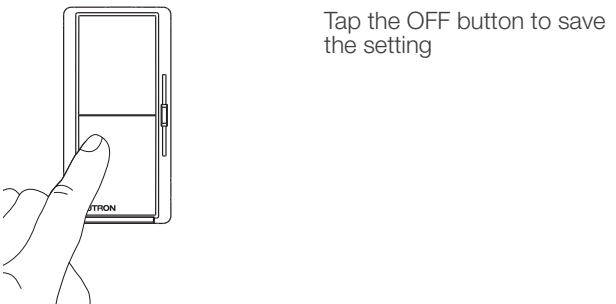
3 Continue to hold the OFF button and push the FASS in to the closed position. Continue to hold the OFF button for approximately 6 seconds until the light bar starts flashing.



4 Adjust the low-end level



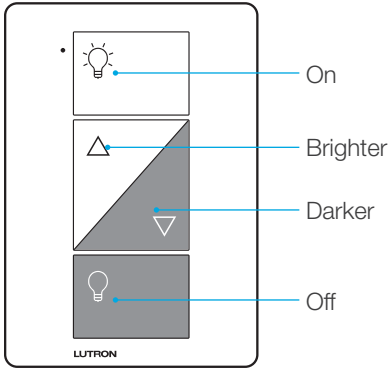
5 Save



6 Verify

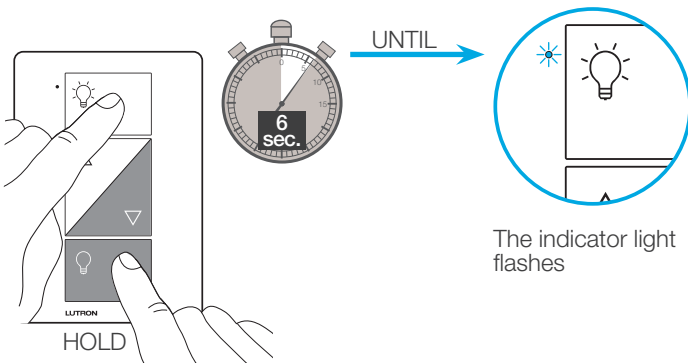
Test low-end setting and repeat steps 1-4 as needed to set the desired level.

Note: Low-end trim will also be available in the app

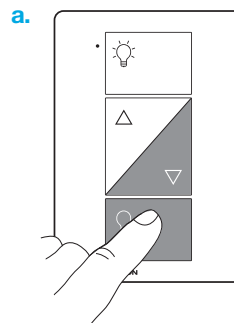


Plug-in lamp dimmer

1 Press and Hold "On" and "Off" buttons

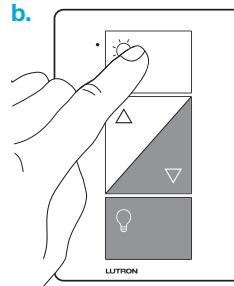


2 Verify



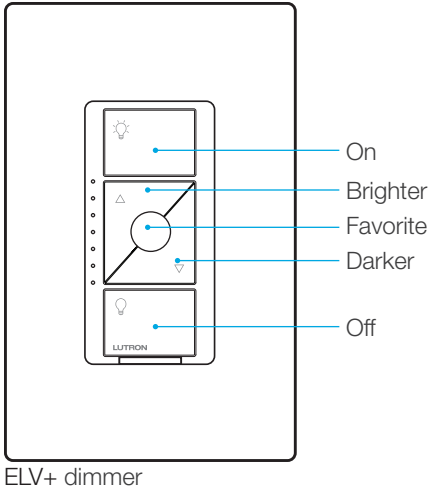
a. Tap "Off" one time. Light will turn off.

b. Tap "On" one time. Light will turn on.
– The "Brighter" and "Darker" buttons will be disabled and do nothing.



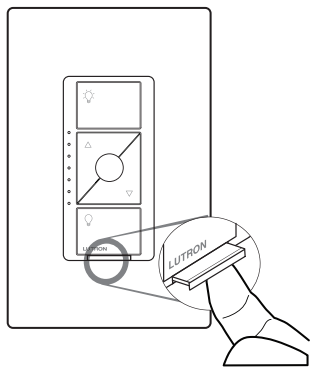
NOTE: Only use lighting loads on your plug-in lamp dimmer, even when operating in switch mode.

3 To change back to dimmer mode repeat step 1

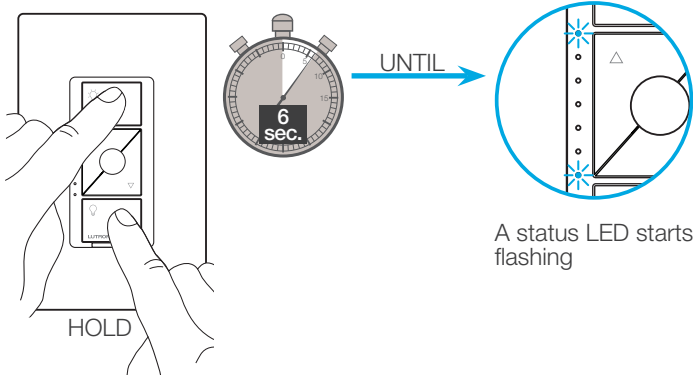


Adjusting for Load Types -
Configurable between ELV and MLV load types

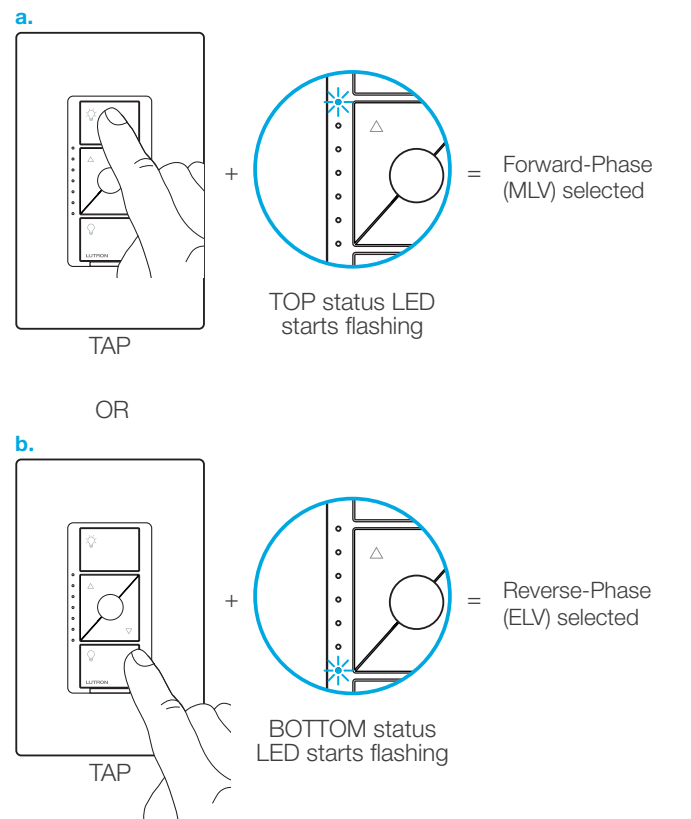
1 Pull out the FASS and then push back in



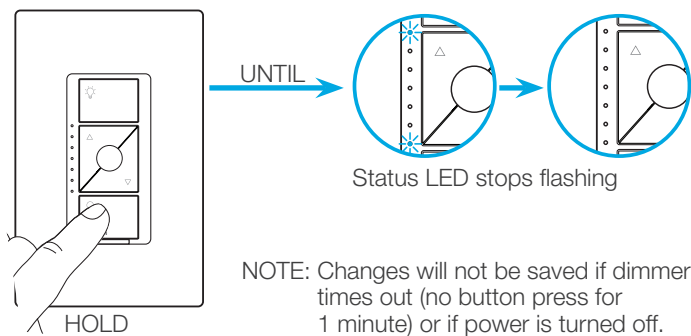
2 Enter



3 Select

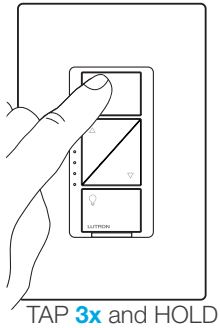


4 Save

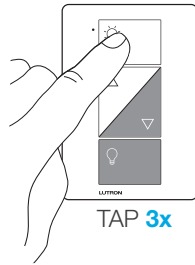


NOTE: Changes will not be saved if dimmer times out (no button press for 1 minute) or if power is turned off.

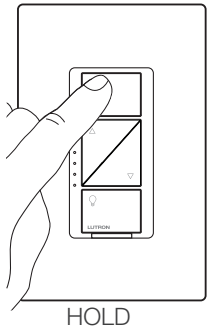
1 Tap the "On" button quickly at least three times, holding on the last press



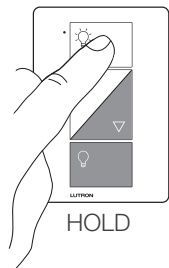
OR



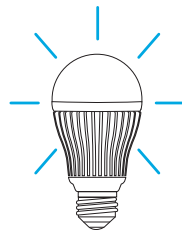
2 Continue to hold the "On" button until the light begins to flash quickly



OR

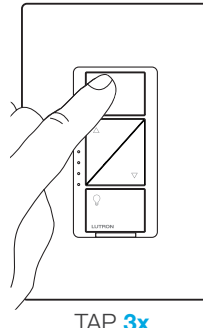


UNTIL →

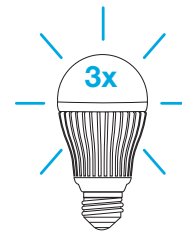
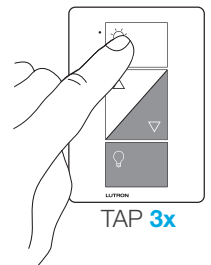


Light starts flashing quickly

3 Release the button, then immediately tap the button at least three more times and release



OR



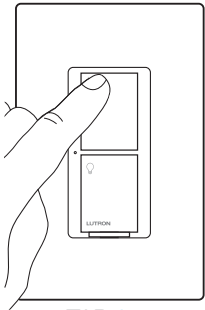
Light will flash slowly three times, then turn off

4 All paired Pico remote controls are removed and all settings are returned to factory default

– After the dimmer resets, the light will turn on to the full on state.

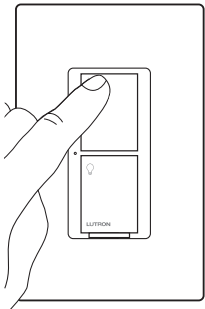
NOTE: This procedure also resets the high-end and low-end trim settings.

1 Tap the "On" button quickly at least three times, holding on the last press



TAP 3x

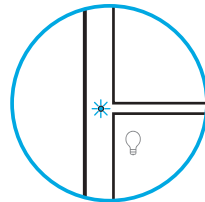
2 Continue to hold the "On" button until the Status LED begins to flash slowly



HOLD

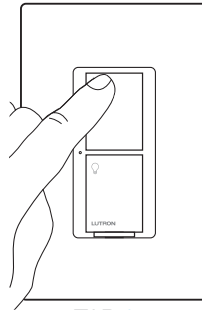


UNTIL →

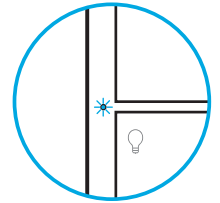


Status LED flashes slowly

3 Release the button, then immediately tap the button at least three more times and release

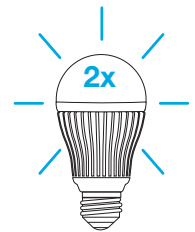


TAP 3x



Status LED flashes quickly

AND

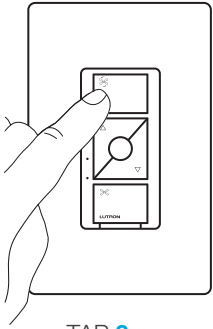


Light will flash slowly two times

4 All paired Pico remote controls are removed and all settings are returned to factory default

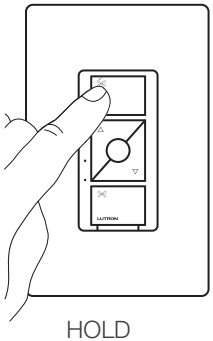
– After the switch resets, the light will turn on to the full on state.

1 Tap the "On" button quickly at least three times, holding on the last press



TAP 3x

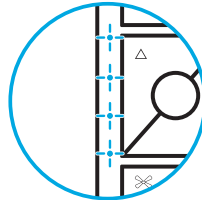
2 Continue to hold the "On" button until the Status LED begins to flash slowly



HOLD

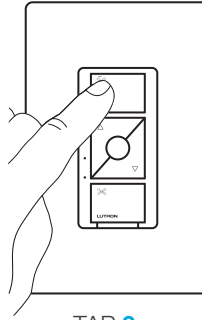


UNTIL

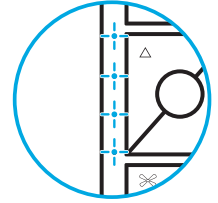


Status LED flashes slowly

3 Release the button, then immediately tap the button at least three more times and release



TAP 3x



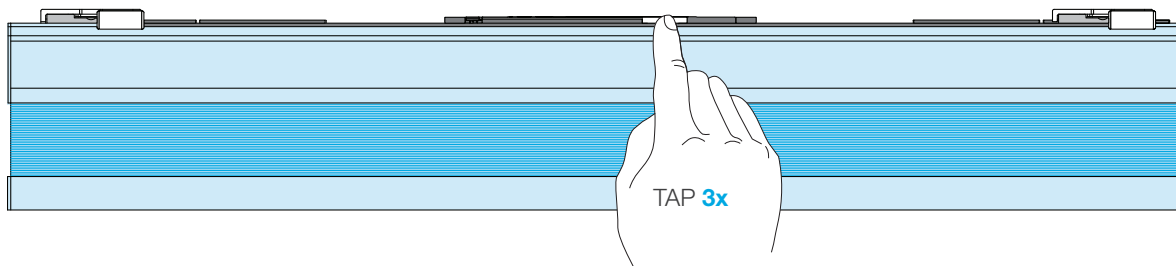
Status LED flashes quickly

4 All paired Pico remote controls are removed and all settings are returned to factory defaults

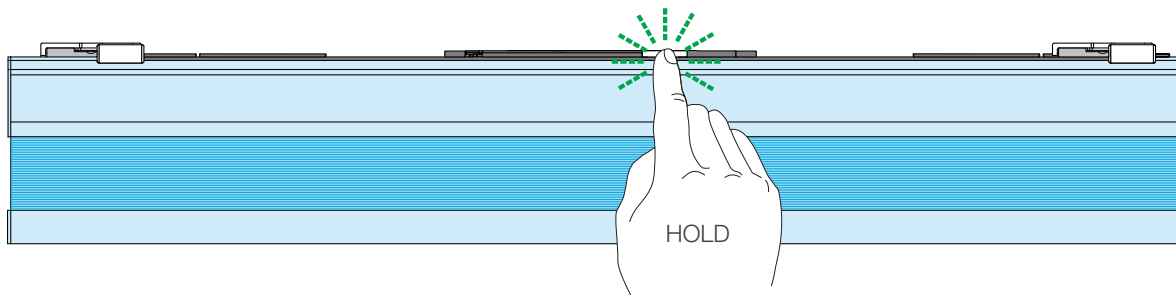
- After the switch resets, the fan will turn on to high.

NOTE: This procedure will remove all paired Pico remote controls and favorite button programming. Upper and lower limits are retained.

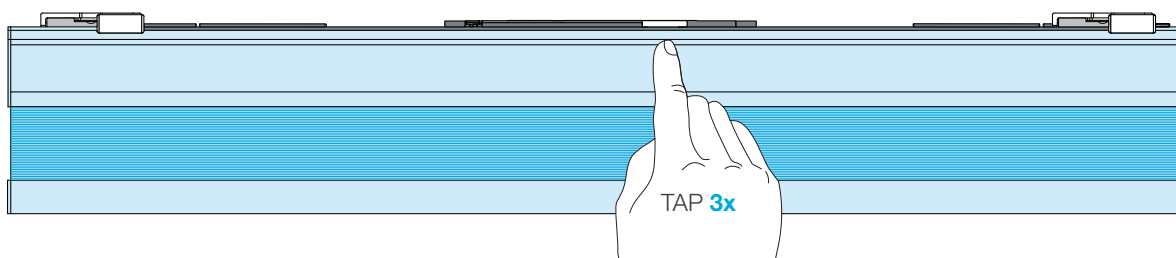
1 Tap the "Shade" button quickly at least three times, holding on the last press.



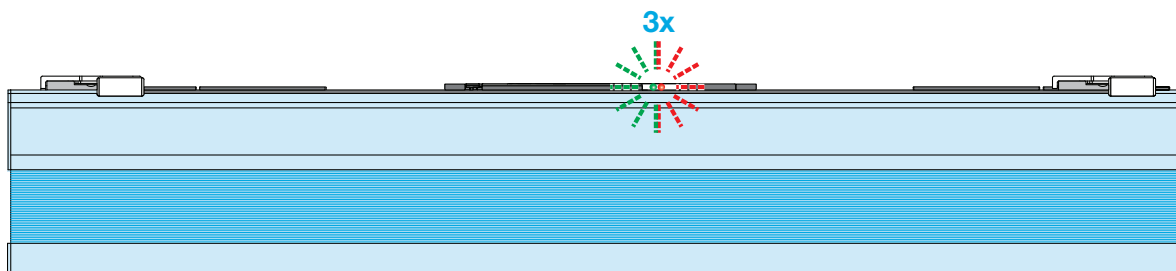
2 Continue to hold the "Shade" button until the button LED flashes green.



3 Release the "Shade" button, then immediately tap the button at least three more times and release.



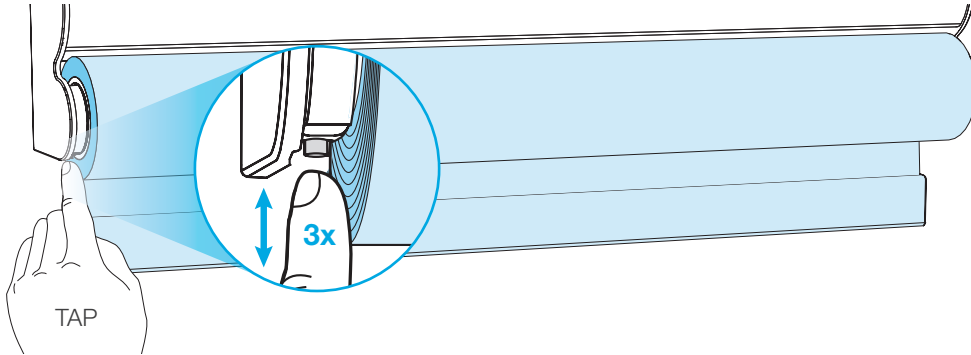
NOTE: The "Shade" button LED will flash GREEN-then-RED three times, signaling the successful completion of the procedure.



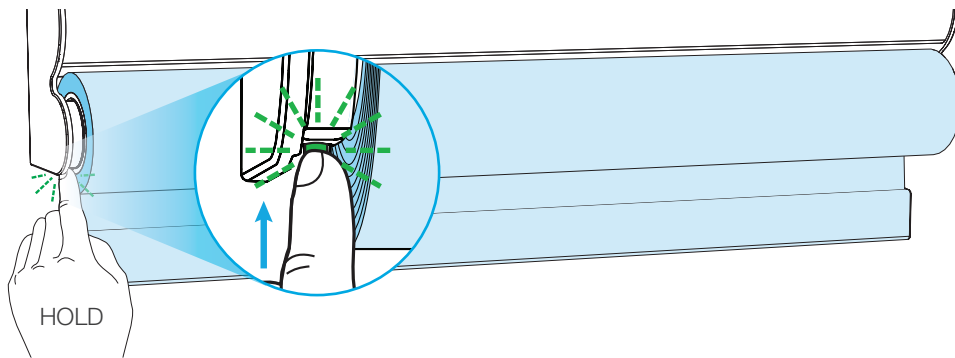
Roller Shades with a Single-Button (Battery-Powered and Plug-In)

NOTE: This procedure will remove all paired Pico remote controls and favorite button programming. Upper and lower limits are retained.

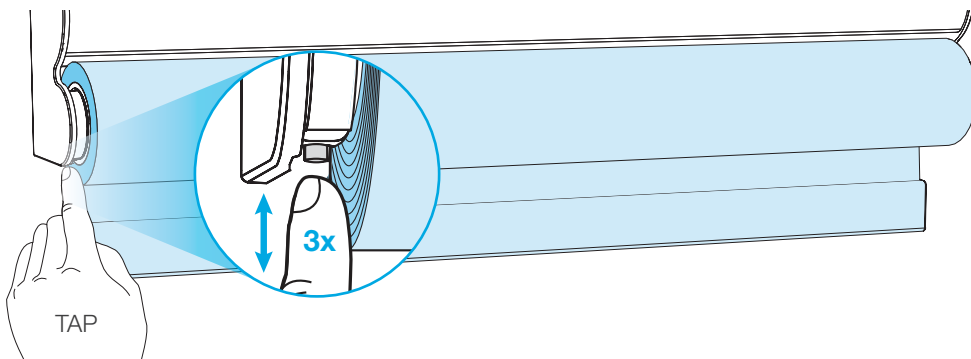
1 Tap the "Shade" button quickly at least three times, holding on the last press.



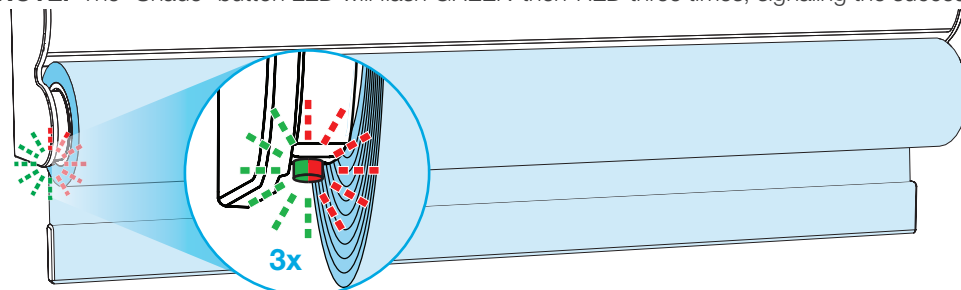
2 Continue to hold the "Shade" button until the button LED flashes green.



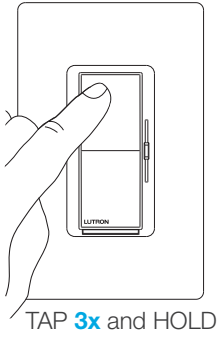
3 Release the "Shade" button, then immediately tap the button at least three more times and release.



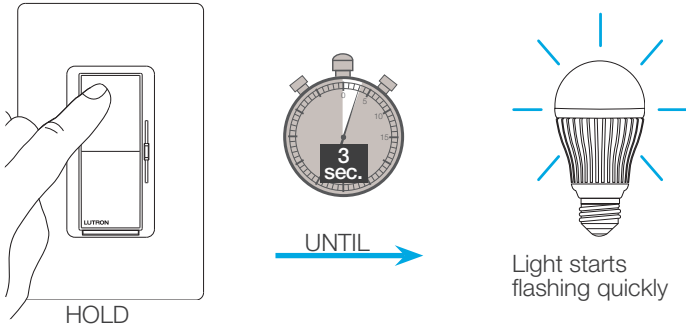
NOTE: The "Shade" button LED will flash GREEN-then-RED three times, signaling the successful completion of the procedure.



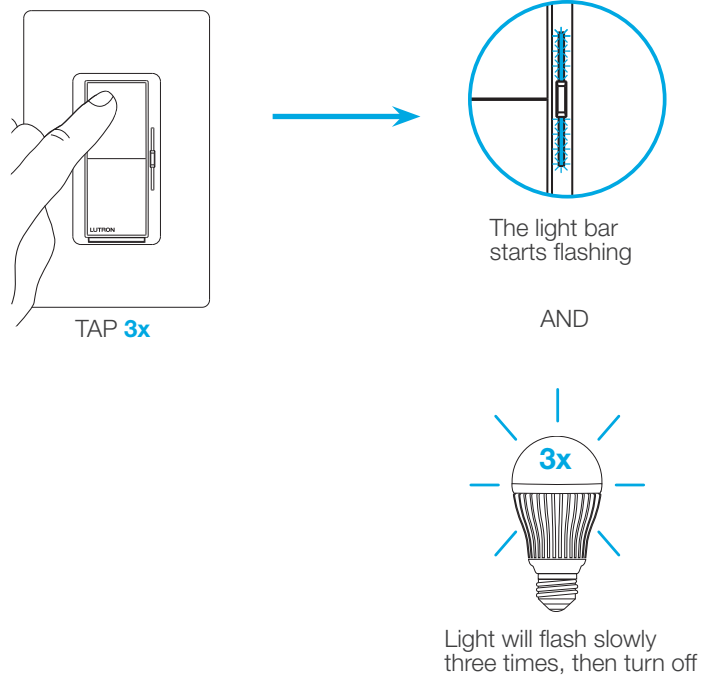
1 Tap the "On" button quickly at least three times, holding on the last press



2 Continue to hold the "On" button until the light begins to flash quickly



3 Release the button, then immediately tap the button at least three more times and release

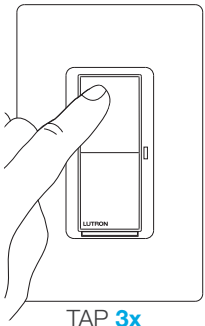


4 All paired Pico remote controls are removed and all settings are returned to factory default

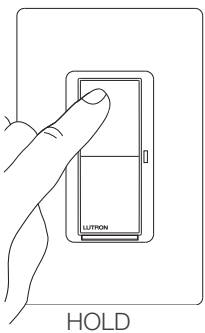
After the dimmer resets, the light will turn on to the full on state.

NOTE: This procedure also resets the high-end and low-end trim settings.

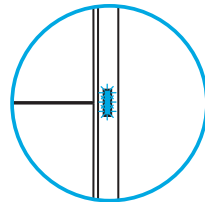
1 Tap the "On" button quickly at least three times, holding on the last press



2 Continue to hold the "On" button until the Status LED begins to flash slowly

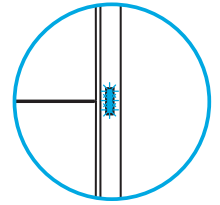
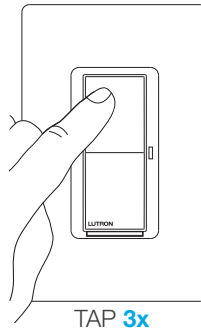


UNTIL →



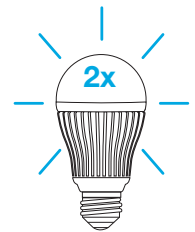
Status LED flashes slowly

3 Release the button, then immediately tap the button at least three more times and release



Status LED flashes quickly

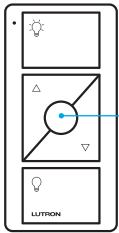
AND



Light will flash slowly two times

4 All paired Pico remote controls are removed and all settings are returned to factory default

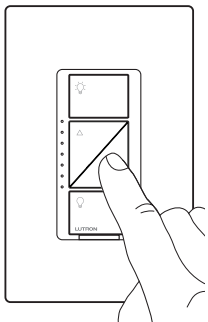
After the switch resets, the light will turn on to the full on state.



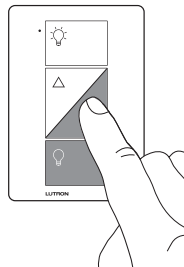
Favorite

You can use the round "Favorite" button on a Pico remote control to recall a favorite light level. We've set it to 50%, but you can change it to any level you like.

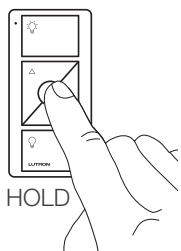
1 Set desired light level on a dimmer that has already been paired with a remote control



or



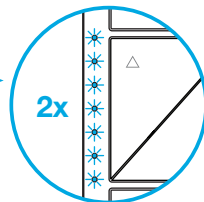
2 Save favorite light level



HOLD

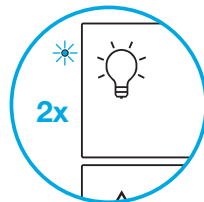


UNTIL



2x

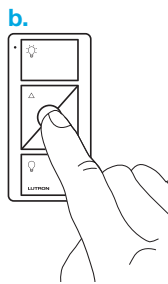
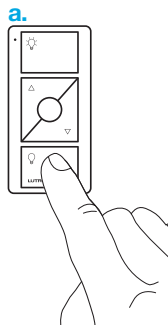
or



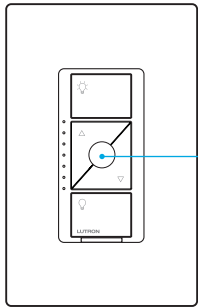
2x

Dimmer LED(s)
flash(es) two times

3 Verify



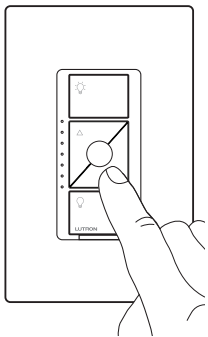
- a. Tap "Off" button one time on remote control. Light will turn off.
- b. Tap "Favorite" button one time on remote control. Light will turn on to the newly saved level.



Favorite

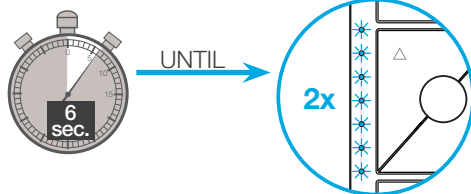
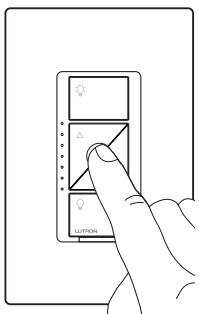
You can use the round "Favorite" button on the dimmer to recall a favorite light level. We've set it to 50%, but you can change it to any level you like.

1 Set the desired light level on the dimmer



Use the "Brighter" or "Darker" buttons to adjust lights to your favorite level.

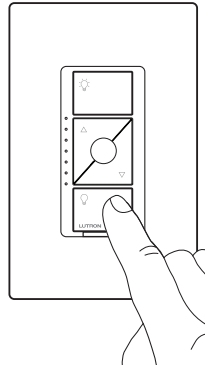
2 Save favorite light level



Hold the round "Favorite" button.

3 Verify

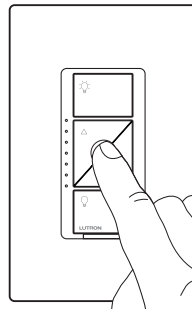
a.

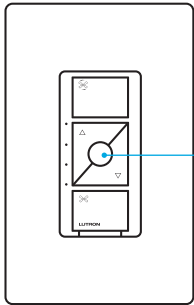


a. Tap "Off" button one time on dimmer control. Light will turn off.

b. Tap "Favorite" button one time on dimmer control. Light will turn on to the newly saved level.

b.

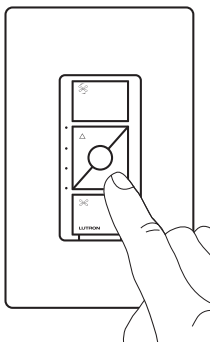




Favorite

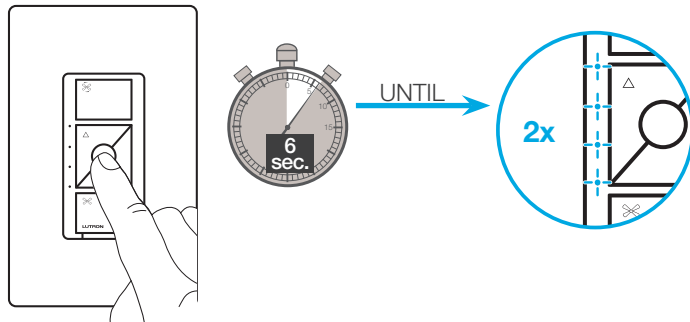
You can use the round "Favorite" button on the fan control to recall a favorite fan speed setting. We've set it to the medium fan speed, but you can change it to any level you like.

1 Set the desired fan speed on the fan control



Use the "Faster" or "Slower" buttons to adjust lights to your favorite level.

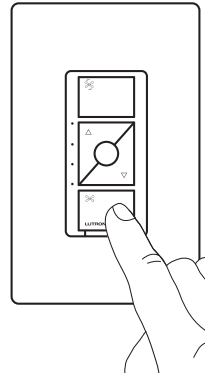
2 Save favorite fan speed



Hold the round "Favorite" button.

3 Verify

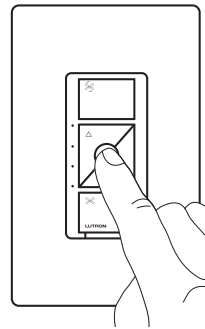
a.



a. Tap "Off" button one time on fan control. Fan will turn off.

b. Tap "Favorite" button one time on fan control. Fan will turn on to the newly saved setting.

b.



1 Identify load type



LED



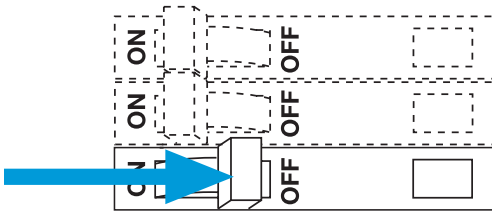
Fluorescent



ELV

The LUT-MLC load adapter is provided to help ensure proper operation of the switch with LED, fluorescent, and ELV lighting loads. When controlling one of these load types, a LUT-MLC may be required, especially at lower wattages. If the status LED on the switch is flashing or a solid red color, a LUT-MLC must be installed. It is recommended to install a LUT-MLC with these load types regardless of wattage to guarantee best performance.

2 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in Serious Injury or Death. Turn off power at circuit breaker before installing the unit.

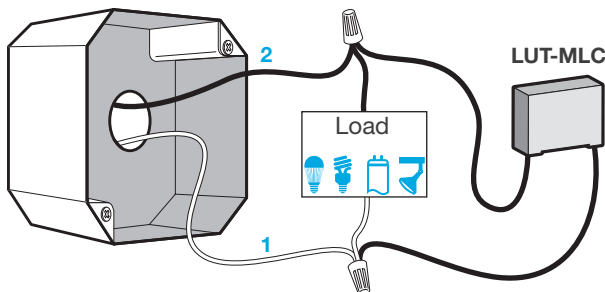
3 Choose installation location

The LUT-MLC must be connected to the neutral and switched hot feed to the load. Install the LUT-MLC inside a load fixture or in a separate junction box within the circuit.

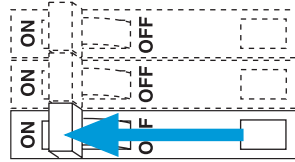
4 Installing the LUT-MLC in a load fixture or junction box

1. Connect one lead of the LUT-MLC to the neutral (white) wire.
2. Connect the other lead of the LUT-MLC to the switched hot (black) wire.

Junction Box

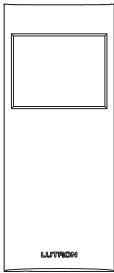


5 Turn power on at circuit breaker



6 Verify performance

Verify that the LED on the switch is not flashing or solid red color and that the load stays off when the switch is turned off. In rare instances, some loads may still flicker or glow in the off state with the LUT-MLC installed. If this occurs, a different load may be required or additional LUT-MLC load adapters may need to be installed.



Before mounting the sensor, please note the following:

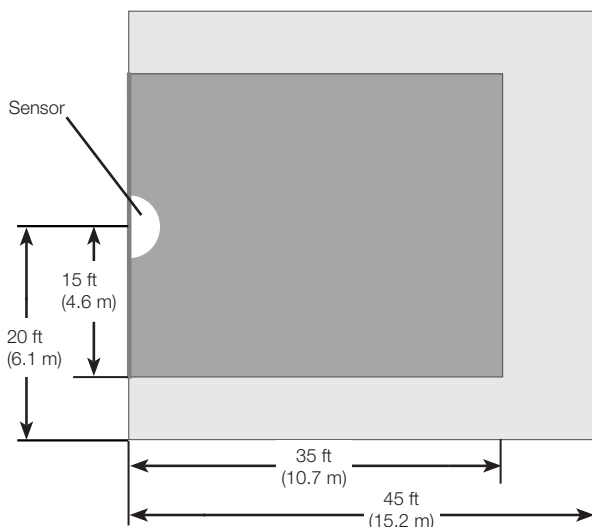
- If you cannot see the sensor, it cannot see you.
- The sensor should be mounted at eye level. Recommended placement height 6 ft to 8 ft (1.8 m to 2.4 m).
- DO NOT place the sensor within 4 ft (1.2 m) of moving air currents (e.g., HVAC vents), heat sources (e.g., light bulbs, or microwave/standard ovens), or within 6 in (15 cm) of other RF devices.
- The sensor must have an unobstructed view of the room. DO NOT place behind or near tall cabinets, shelves, hanging fixtures, or anything that may obstruct sensor's view. The sensor cannot detect occupants through glass objects such as patio or shower doors.
- If there is line of sight from the sensor to the associated devices (no obstructions), sensor can be located within 60 ft (18.3 m) otherwise sensor must be within 30 ft (9.1 m).
- Whenever possible, avoid placing the sensor in a location where it has a broad view outside the intended space.

Testing Sensor Coverage

Test the sensor coverage using the temporary mounting 3M™ Command™ adhesive strip and test procedure below to ensure the sensor will perform as desired prior to permanent mounting.

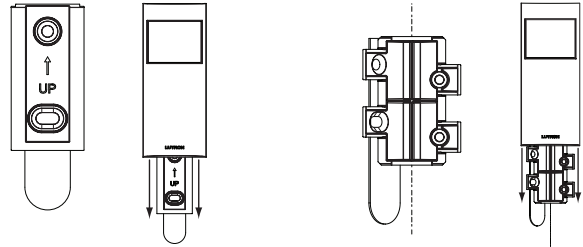
Sensor Coverage

- Minor Motion Coverage- (small movement, i.e., turning a page)
15 X 2 X 35= 1050 ft² (97.5 m²)
- Major Motion Coverage- (large movement, i.e., walking)
20 X 2 X 45= 1800 ft² (167.2 m²)



1 Temporary Mounting

To test sensor coverage, a 3M™ Command™ adhesive strip is provided for temporarily mounting the sensor. The strip is not reusable and should not be used for permanently mounting the sensor.

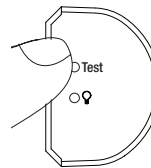


Flat Wall-Mount

Corner-Mount

2 Enter test mode

Press and release the "Test" button on the top of the sensor. The lens will glow briefly, indicating the test mode has been entered. There is a 90 second warm-up period after the battery is installed before test mode can be activated. If the "Test" button is pressed within 90 seconds of installing the battery the lens will flash rapidly until the warm-up is complete.



3 Walk around the space

Walk around the space while observing the lens. If the lens glows, motion is detected. If you are not satisfied with the sensor's performance, relocate the sensor and repeat the test.

4 Exit test mode

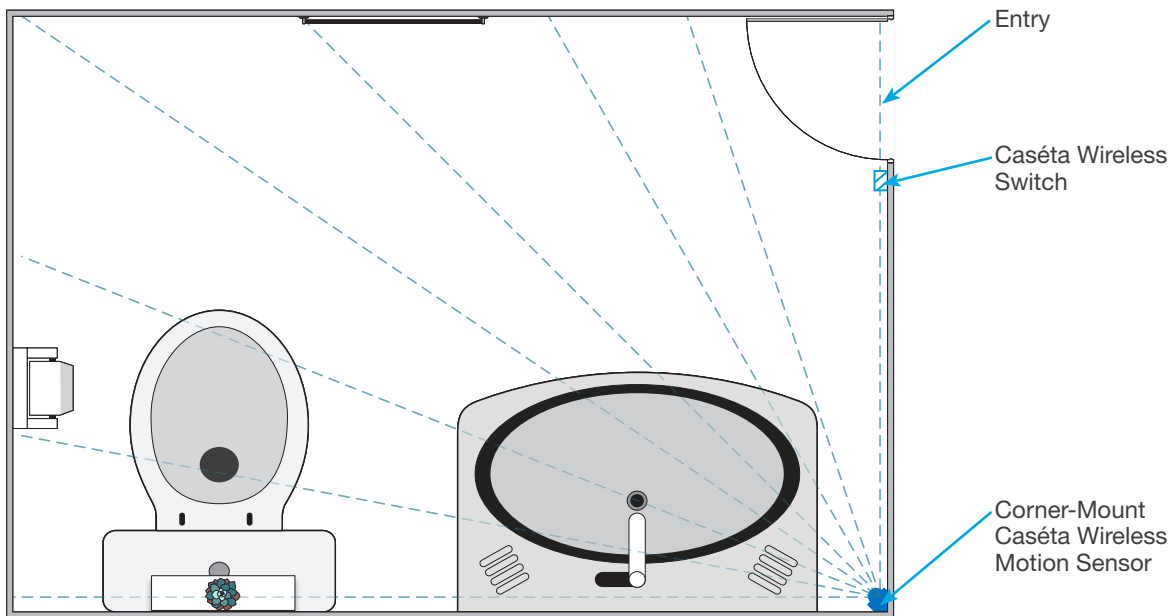
Press and release the "Test" button again to exit test mode. The sensor will automatically exit test mode after 15 minutes, or after 5 minutes if no motion is detected.

Motion Sensor Placement Examples

Below and on the next few pages are examples of different spaces to place your motion sensor. Every home layout is different and these examples should only be used as a guideline.

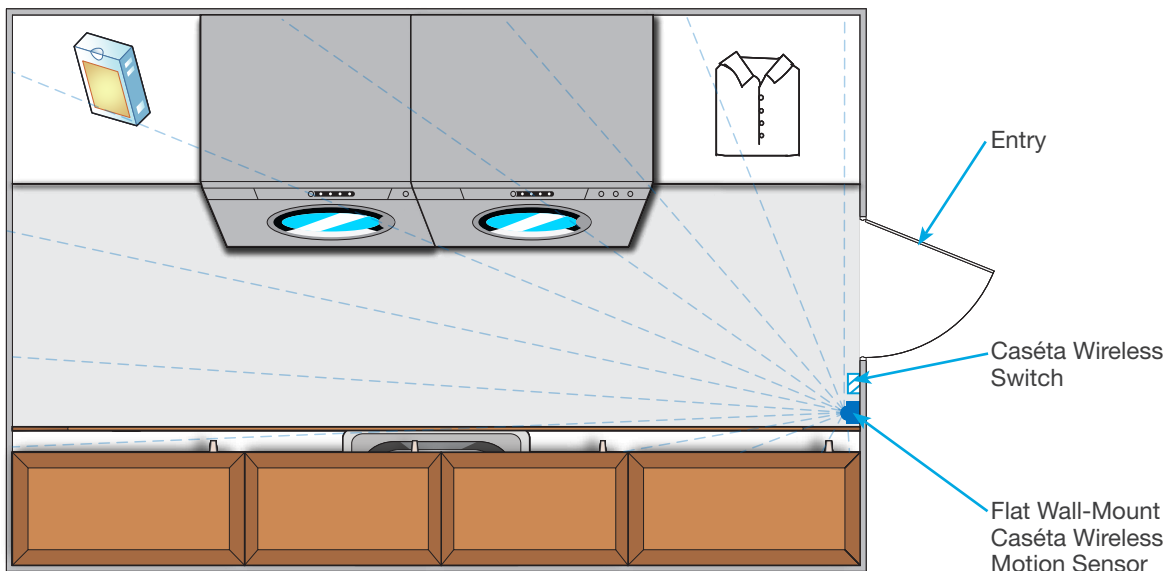
1 Powder Room

A Caséta Wireless motion sensor is mounted in the corner at the height of 6 ft (1.8 m) where it can "see" the whole room. The placement of the sensor ensures that it won't see any movement outside of the powder room. The sensor is paired to a Caséta Wireless switch. The Auto-On setting is set to "Enabled", allowing for the sensor to automatically turn the light On/Off when a person enters/exits the powder room.



2 Laundry Room

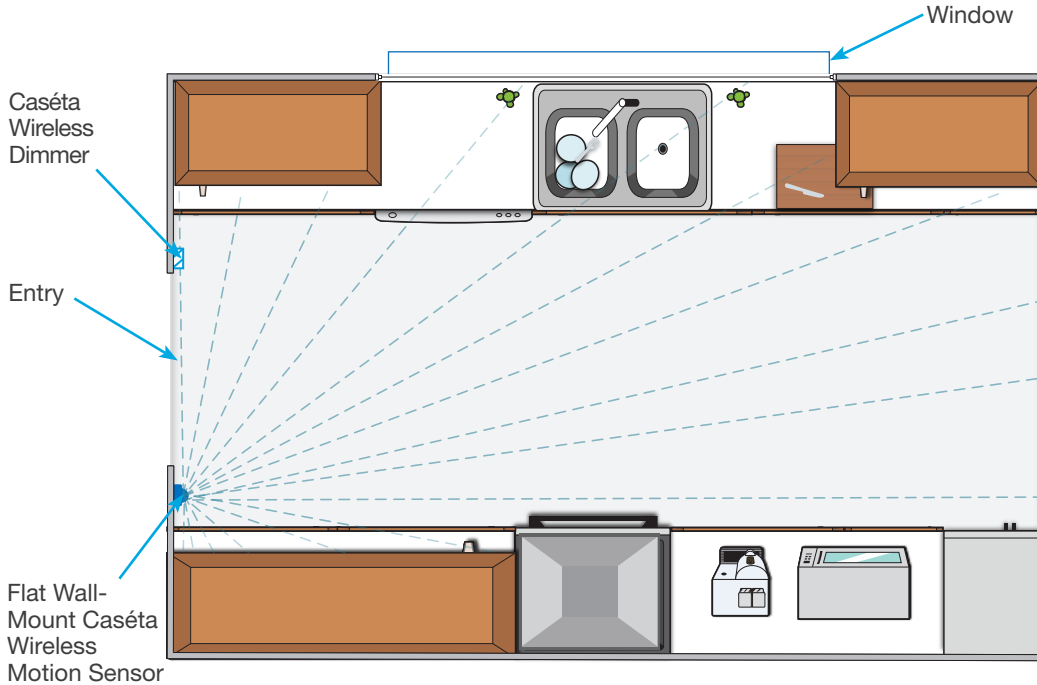
A Caséta Wireless motion sensor is mounted flat on the wall at the height of 6 ft (1.8 m) where it can "see" the whole room. The placement of the sensor ensures that it won't see any movement outside of the laundry room. The sensor is paired to a Caséta Wireless switch. The Auto-On setting is set to "Enabled", allowing for the sensor to automatically turn the light On/Off when a person enters/exits the laundry room.



Motion Sensor Placement Examples (continued)

3 Kitchen

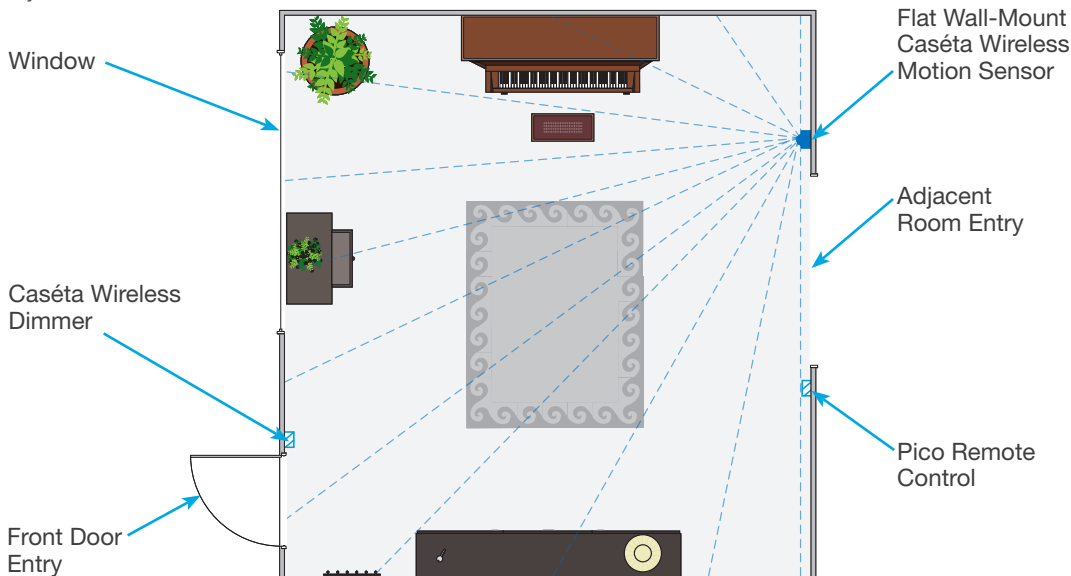
A Caséta Wireless motion sensor is mounted flat on the wall at the height of 6 ft (1.8 m) where it can "see" the whole room*. The placement of the sensor ensures that it won't see any movement outside of the kitchen, nor can the sensor see movement through the glass window. The sensor is paired to a Caséta Wireless dimmer allowing the user to adjust the brightness of the light. The Auto-On setting is set to "Enabled", allowing for the sensor to automatically turn the light On/Off when a person enters/exits the kitchen.



* DO NOT place sensor within 4 ft (1.2 m) of moving air currents (e.g., HVAC vents), heat source (e.g., light bulbs or microwave/ standard ovens). Heat from an oven may cause sensor to see movement. Changing the activity setting to medium- or high-activity may be necessary. Refer to the back of the sensor or visit: www.casetawireless.com/sensorfeatures

4 Foyer

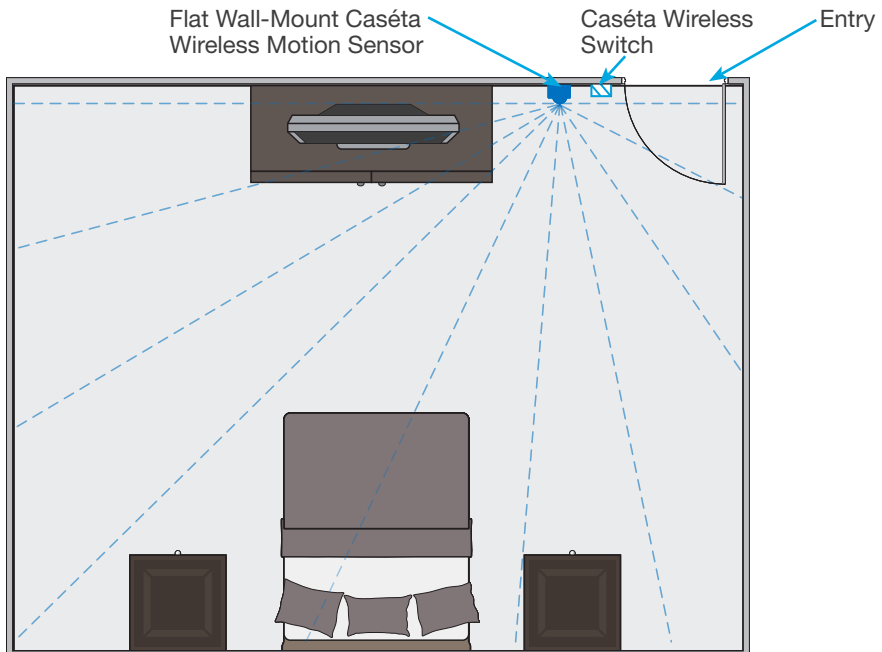
A Caséta Wireless motion sensor is mounted flat on the wall at the height of 6 ft (1.8 m) where it can "see" the whole room. The placement of the sensor ensures that it won't see any movement outside of the room, nor can the sensor see movement through the glass window. The sensor and Pico remote control are paired to a Caséta Wireless dimmer allowing the user to adjust the brightness of the light in the foyer. The Auto-On setting is set to "Enabled", allowing for the sensor to automatically turn the light On/Off when a person enters/exits the foyer.



Motion Sensor Placement Examples (continued)

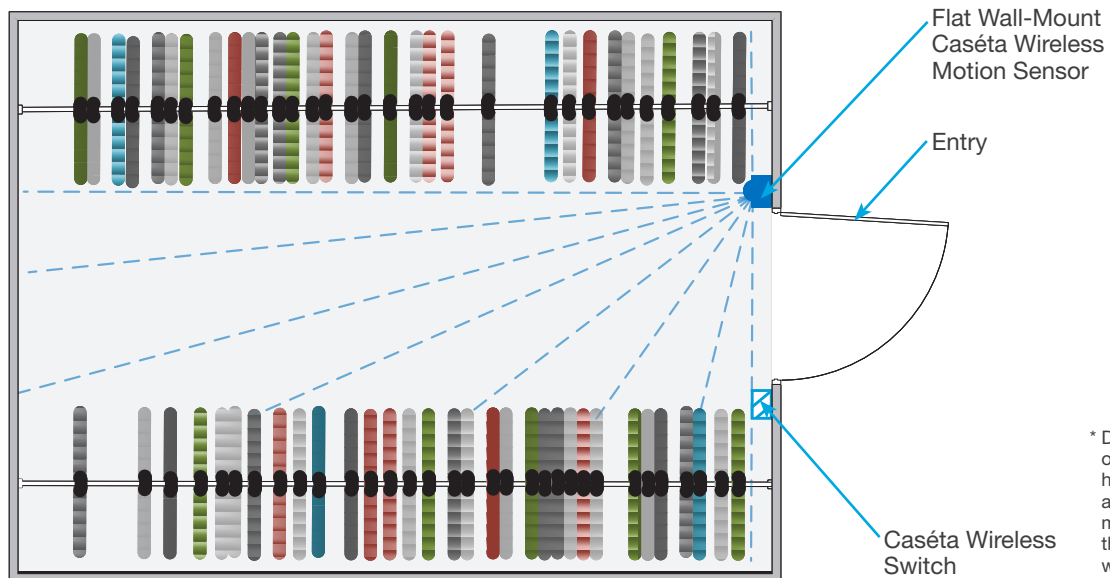
5 Bedroom

A Caséta Wireless motion sensor is mounted flat on the wall near the Caséta Wireless dimmer at the height of 6 ft (1.8 m) where it can "see" the whole room. The placement of the sensor ensures that it won't see any movement outside of the bedroom. The sensor is paired to a Caséta Wireless dimmer allowing the user to adjust the brightness of the bedroom light. The Auto-On setting is set to "Disabled", requiring the light to be turned on manually, but allowing for the sensor to automatically turn the light Off. This setting is recommended for bedrooms so the sensor won't turn on the lights when it sees movement while a person is sleeping.



6 Closet

A Caséta Wireless motion sensor is mounted flat on the wall at the height of 6 ft (1.8 m) where it can "see" the walking path of the closet. * The placement of the sensor ensures that it won't see any movement outside of the closet. The sensor is paired to a Caséta Wireless switch. The Auto-On setting is set to "Enabled", allowing for the sensor to automatically turn the light On/Off when a person enters/exits the closet.

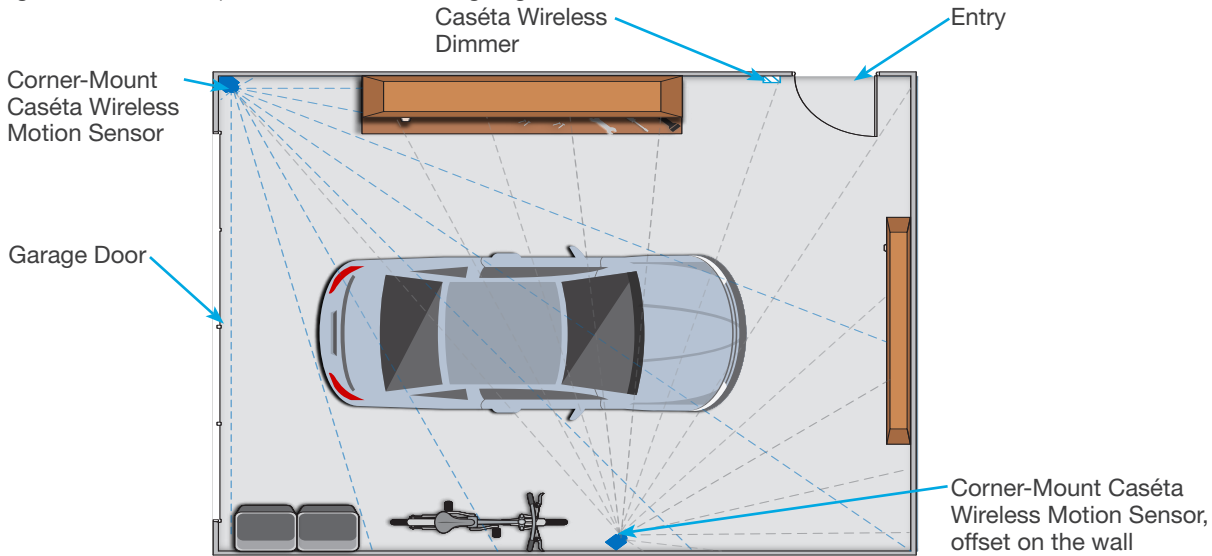


* DO NOT place sensor within 4 ft (1.2 m) of moving air currents (ie: HVAC vents), heat source (ie: light bulbs). Changing the activity setting to medium or high activity may be necessary. Refer to the back of the sensor or visit: www.casetawireless.com/sensorfeatures

Motion Sensor Placement Examples (continued)

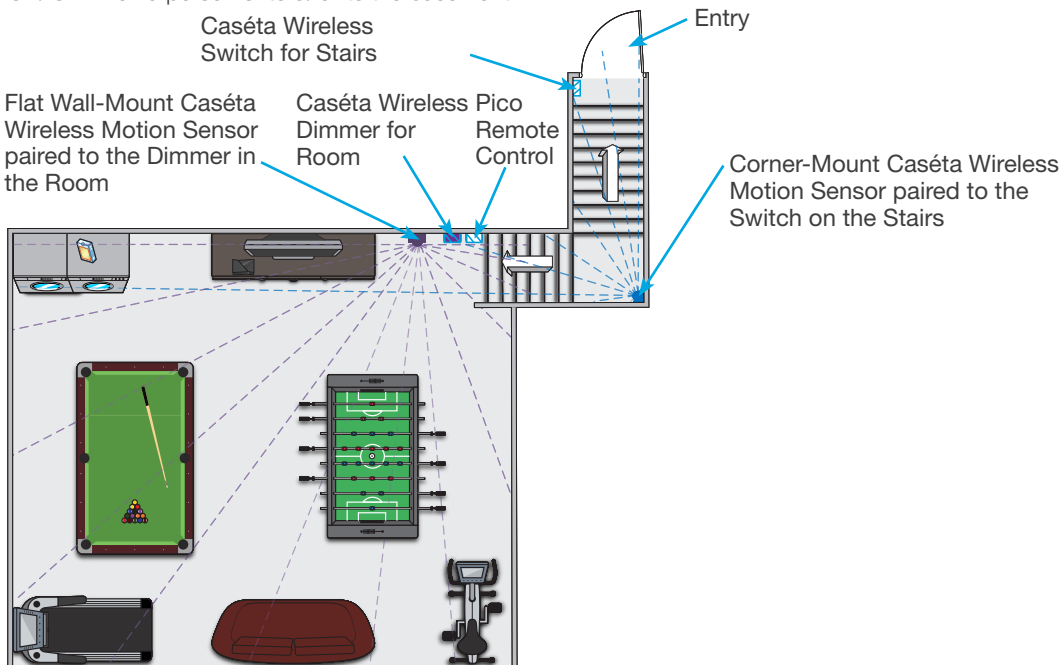
7 Garage

A Caséta Wireless motion sensor is mounted in the corner at the height of 6 ft (1.8 m) and a second Caséta Wireless motion sensor is mounted offset to the wall. This allows for full coverage of the garage. While the corner sensor may be enough to cover the whole garage, if there are objects on the wall blocking the line of sight of the sensor, the placement of the second sensor will ensure full coverage. Both sensors are paired to one Caséta Wireless switch. The Auto-On setting is set to "Enabled", allowing for the sensor to automatically turn the light On/Off when a person enters/exits the garage.



8 Basement/Stairway

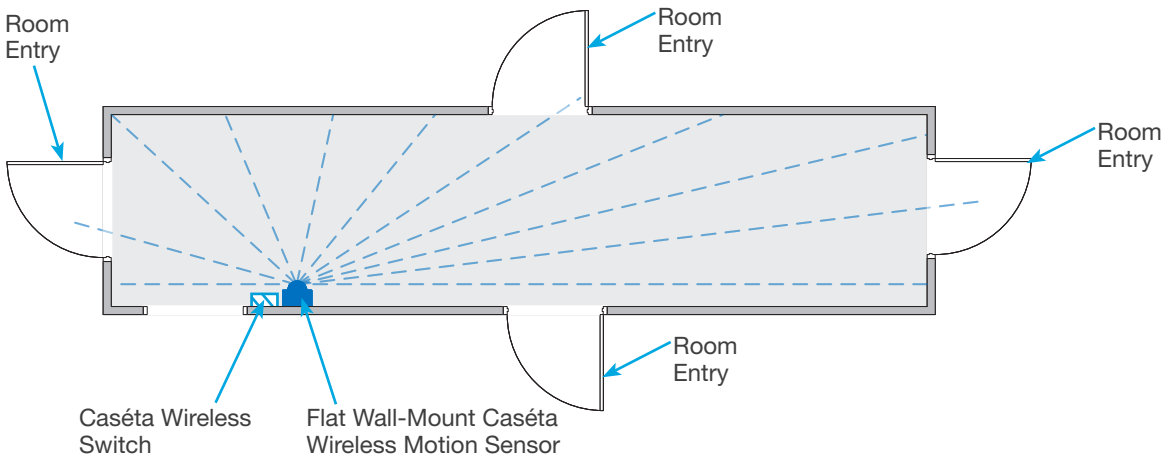
A Caséta Wireless motion sensor is mounted in the corner of the stairs ensuring it will see movement at the top of the stairs as well as at the bottom. The sensor and a Pico remote control are paired to a Caséta Wireless switch that controls the light in the stairwell. The second motion sensor is placed to ensure coverage of the whole basement. The second sensor is paired to a Caséta Wireless dimmer allowing you to adjust the brightness of the basement light. The Auto-On setting is set to "Enabled", allowing for the sensor to automatically turn the light On/Off when a person enters/exits the basement.



Motion Sensor Placement Examples *(continued)*

9 Hallway

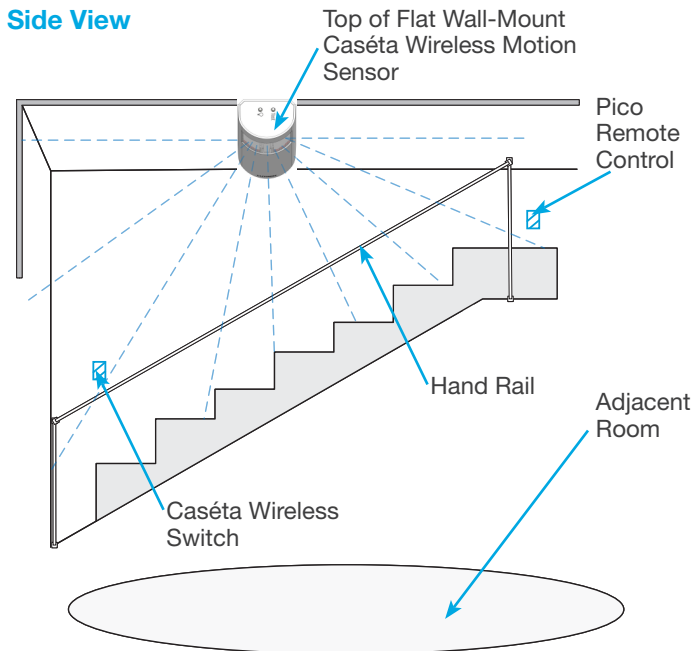
A Caséta Wireless motion sensor is mounted flat on the wall near the Caséta Wireless switch at the height of 6 ft (1.8 m) where it can "see" the whole hallway. The sensor may see movement in the rooms if the doors are open. Adjusting sensor location may be necessary based on layout. The sensor is paired to Caséta Wireless switch. The Auto-On setting is set to "Enabled", allowing for the sensor to automatically turn the light On/Off when a person enters/exits the hallway.



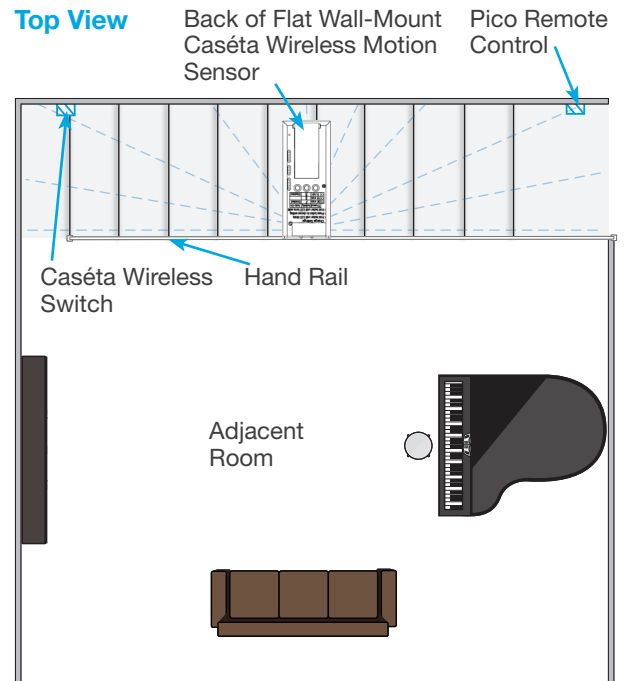
10 Staircase

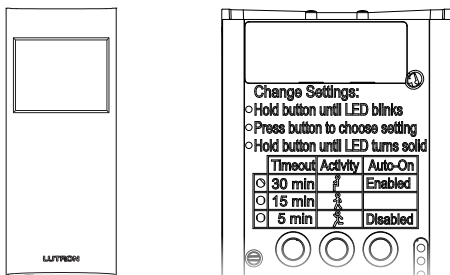
A Caséta Wireless motion sensor is mounted flat on the ceiling, perpendicular to the staircase. If there is a railing present (or one side of staircase is open to an adjacent area as shown below), align the top of the sensor with the railing (or edge of adjacent area), and the bottom of the sensor facing the wall, so the sensor only "sees" the staircase and not the adjacent area. The sensor and Pico remote control with wallplate are paired to a Caséta Wireless switch that controls the light in the staircase. The Auto-On setting is set to "Enabled", allowing for the sensor to automatically turn the light On/Off when a person enters/exits the staircase.

Side View



Top View








The motion sensor has several advanced set-up features. For the majority of installations, the default settings will provide the best performance and you will not need to utilize the advanced set-up. The motion sensor has three adjustable advanced set-up modes: Timeout, Activity, and Auto-On.

1 Timeout

The sensor will turn the lights off if no motion occurs for the duration of the timeout period. The available timeout settings are: **1, 5, 15, and 30 minutes. (Default: 15 minutes)**

2 Activity

The sensitivity of the sensor can be adjusted based on the expected level of activity within the room. There are three available activity settings: Low Activity, Medium Activity, and High Activity. **(Default: Low Activity)**

-  **Low Activity:** This is the most sensitive setting and is recommended for most applications.
-  **Medium Activity*:** This setting is slightly less sensitive than the Low Activity setting and can be used for spaces that experience normal activity.
-  **High Activity*:** This is the least sensitive setting and can be used for spaces that will generally only experience large motions, such as foot traffic.

*If the sensor is placed near external noise sources such as HVAC vents, it might turn the lights on without occupancy or keep lights on too long after vacancy. If this occurs, change the sensitivity to Medium or High Activity.

3 Auto-On (PD-OSENS model only)

The automatic-on functionality of the sensor can be adjusted to control how the lights respond upon initial occupancy. There are two available settings: Enabled and Disabled. **(Default: Enabled)**

- Enabled:** The lights will always turn on automatically on occupancy and automatically turn off after vacancy. Also known as occupancy mode.
- Disabled:** The lights will not turn on automatically on occupancy, but will still turn off automatically after vacancy. After the lights turn off, a 15 second grace period allows for lights to turn back on if motion is detected. This is also known as vacancy mode.

Recommendations: For applications in bedrooms or when pets are in the space, it's suggested to change Auto-on setting to Disabled.

4 Off While Occupied

When the load control is manually turned OFF, the sensor will not turn the lights back ON automatically while the room is occupied. Once the room is vacated, the Auto-On feature returns to normal operation after the timeout period has expired. (Feature only available when Auto-On is enabled).

5 Advanced Feature Set-Up (optional)

The Advanced Feature set-up is accessed by using the buttons on the back of the sensor. The procedure for selecting a 1-minute timeout is different and described below.

Check Setting: Press and release the button beneath the desired mode. An LED will illuminate briefly to indicate the current setting.

Change Setting: The setting for Timeout, Activity, and Auto-On can be changed using the standard procedure below.

Standard Mode

1. Press and hold the desired button until the LED corresponding to the current setting begins flashing rapidly.
2. Press and release the button to increment the mode to the next available setting.
3. To save the selected setting, press and hold the button until the LED turns on solid.

1-Minute Timeout (For use in areas that experience brief activity; hallways, laundry rooms, etc.)

1. Press and hold the timeout button for 10 seconds until all 3 LEDs begin flashing rapidly.
2. Press and hold the timeout button until all 3 LEDs turn on solid, indicating the 1-minute timeout has been saved.

Symptoms	Probable cause and action
Light does not turn on or LEDs on the devices do not illuminate.	<ul style="list-style-type: none"> Light bulb(s) burned out. Breaker is OFF or tripped. Light not properly installed. Wiring error. <p>Dimmer or switch:</p> <ul style="list-style-type: none"> FASS on the dimmer or switch is in the off position. <p>Plug-in lamp dimmer:</p> <ul style="list-style-type: none"> Outlet is switched off. Lamp is turned off. Lamp is not plugged in.
Light does not respond to Pico remote control.	<ul style="list-style-type: none"> The dimmer or switch failed to pair with Pico remote control. The dimmer or switch is already at the light level the Pico remote control is sending. The Pico remote control is outside the 30 ft (9 m) operating range. The Pico remote control battery is low. The Pico remote control battery is installed incorrectly.
<ul style="list-style-type: none"> Bulbs turn off while being dimmed. Bulbs turn on at high light level but do not turn on at a low light level. Bulbs flicker or flash when dimmed to a low light level. 	<p>Dimmer or plug-in lamp dimmer only: Verify bulbs are marked dimmable and visit www.casetawireless.com/lowend for information on adjusting the dimmer for best bulb performance.</p>
<ul style="list-style-type: none"> LED on switch is flashing or solid red color. Light stays on when the switch is turned off. 	<p>Switch only: Proper bulb operation requires LUT-MLC installation. See Page 59.</p>
Top and middle LEDs are blinking rapidly.	<p>Product detected an MLV fault (PRO Dimmer only)</p> <ul style="list-style-type: none"> Connect Neutral to the dimmer (required for MLV load)
Top and second from bottom LEDs are blinking rapidly.	<p>No Load (PRO Dimmer only)</p> <ul style="list-style-type: none"> Apply or replace the load
Top three LEDs flashing	Over voltage detected, verify unit does not have MLV load and is in reverse phase
Middle three LEDs flashing	Over temperature event, verify unit is not overloaded
Bottom three LEDs flashing	Over current detected, verify unit does not have ELV load while in forward phase

Go to www.casetawireless.com/support for additional troubleshooting suggestions.

Symptoms	Probable cause and action
Fan does not turn ON and no indicator lights turn ON.	<ul style="list-style-type: none"> • Front Accessible Service Switch (FASS) is pulled out to the OFF position. Push FASS in fully to the ON position. • Fan pull chain is in the OFF position. Set pull chain speed to high. • Neutral wire is not connected. Check wiring. • Breaker is OFF or tripped (or fuse blown). Reset breaker or replace fuse. If condition persists, contact Lutron Customer Assistance or a licensed electrician. • Load and Line wires may be reversed. Check wiring.
Fan does not turn ON and indicator lights are ON.	Fan direction switch is between forward and reverse. Set switch to desired position.
Fan vibrates or wobbles.	<ul style="list-style-type: none"> • Fan direction switch is between forward and reverse. Set switch to desired position. • Fan blades must be balanced. See fan manufacturers installation guide to balance fan.
Fan speed is too slow.	Set fan pull chain speed to high.
Fan does not respond to Pico remote control.	<ul style="list-style-type: none"> • The fan control failed to pair with Pico remote control. • The fan control is already at the fan speed level that the Pico remote control is sending. • The Pico remote control is outside the 30 ft (9 m) operating range. • The Pico remote control battery is low. • The Pico remote control battery is installed incorrectly.

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Lutron Contact Numbers

WORLD HEADQUARTERS USA

Lutron Electronics Co., Inc.
7200 Suter Road
Coopersburg, PA 18036-1299
TEL: +1.610.282.3800
FAX: +1.610.282.1243
Customer Assistance: 1.844.LUTRON1

Mexico:

+1.888.235.2910

Central/South America:

+1.610.282.6701

support@lutron.com

www.lutron.com/support