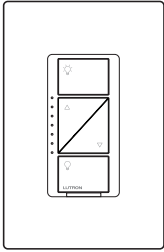
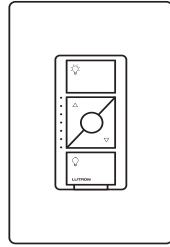


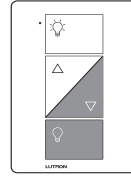
Advanced Installation Guide



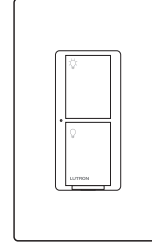
In-wall dimmer & PRO dimmer
PD-6WCL / PD-10NXD



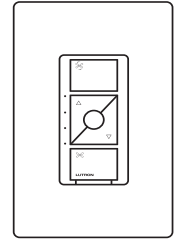
ELV+ Dimmer
PD-5NE



Plug-in lamp dimmer
PD-3PCL



In-wall switch
PD-5WS-DV / PD-6ANS



Fan Control
PD-FQSN

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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In-Wall PRO dimmer with Mechanical Toggle Switch:	Page 29 - 31
In-Wall Neutral Switch with Mechanical Toggle Switch:	Page 32 - 34

Multi-Location Installation - If you have three or more switches controlling your lights, follow this procedure to install your in-wall dimmer or switch

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In-Wall PRO Dimmer with Pico Remote Controls:	Page 40 - 44
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Adjusting the Low-End Trim - Follow this procedure if you experience performance issues such as flickering, flashing or other abnormal light behavior when your dimmer is at a low light level

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Adjusting the High-End Trim - Follow this procedure to adjust the maximum light output allowed by your in-wall dimmer

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Converting a Plug-In Lamp Dimmer to a Switch to Control Non-Dim Loads (Lights Only)

Follow this procedure if you would like your plug-in lamp dimmer to act as a switch for non-dimmable lighting loads..... Page 73

Setting Dimmer Phase on a Caséta Wireless In-Wall ELV+ Dimmer Page 74

Removing Paired Pico Remote Controls - Follow this procedure if you need to remove paired Pico remote controls or reset your dimmer or switch to its factory default settings

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Changing the Favorite Light Level on a Pico Remote Control - Follow this procedure to change the light level your dimmer recalls when you press the "Favorite" button on your Pico remote control..... Page 80

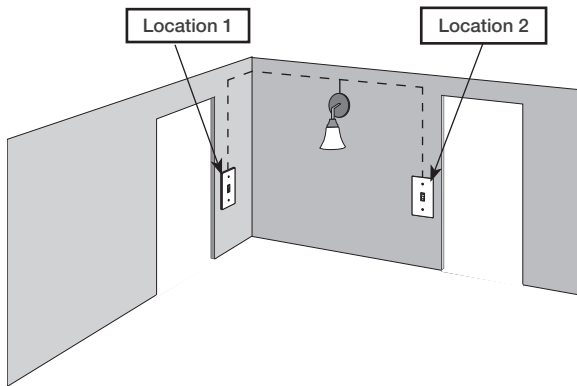
Changing the Favorite Light Level on an ELV+ Dimmer - Follow this procedure to change the light level your dimmer recalls when you press the "Favorite" button on your Phase Selectable Dimmer..... Page 81

Changing the Favorite Fan Speed Setting on a Fan Control - Follow this procedure to change the fan speed your control recalls when you press the "Favorite" button on your Fan Control..... Page 82

Installing a LUT-MLC Load Adapter with an In-Wall Switch - The LUT-MLC is provided to help ensure proper operation of the Caséta Wireless switch with LED, fluorescent, and ELV lighting loads Page 83

Troubleshooting..... Page 84-85

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 35 for details

2 What you need for a 3-way installation



In-wall dimmer
PD-6WCL



Claro Wallplate
CW-1

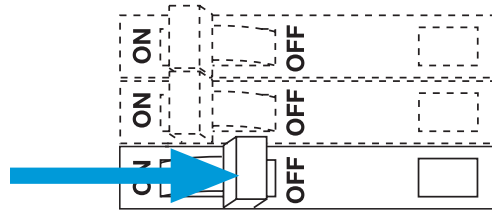


Pico remote control
with wall-mounting kit
PJ2-WALL

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.

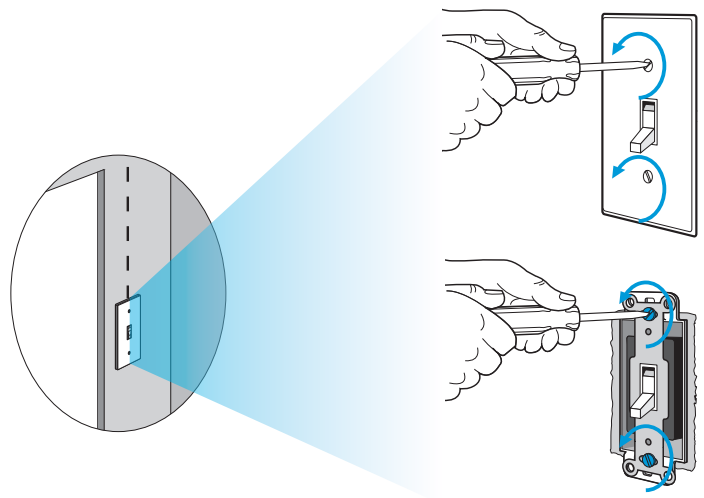
4 Turn power off at circuit breaker



WARNING! Shock Hazard. May result in serious injury or death. Turn off power at circuit breaker before installing the unit.

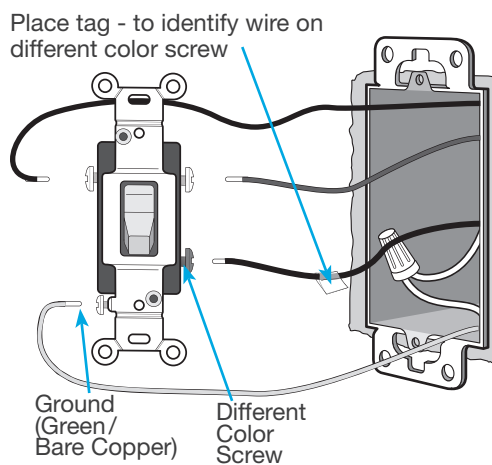
5 Remove existing switch from wall

Location 1



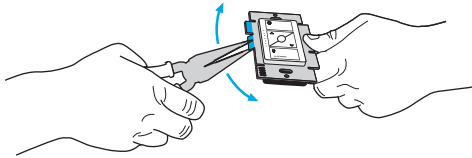
6 Tag and disconnect wires from the existing switch

Location 1

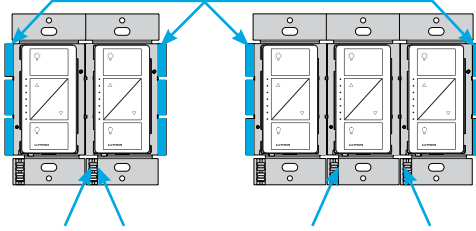


7 Remove side sections (if necessary)

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.

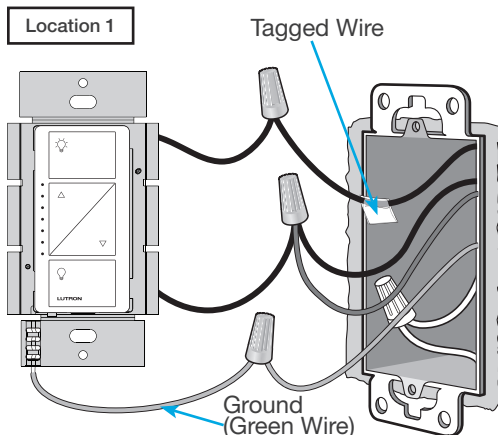
Dimmer in the middle has all side sections removed.

Important note:

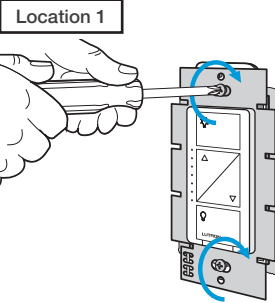
Removing side sections reduces the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

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

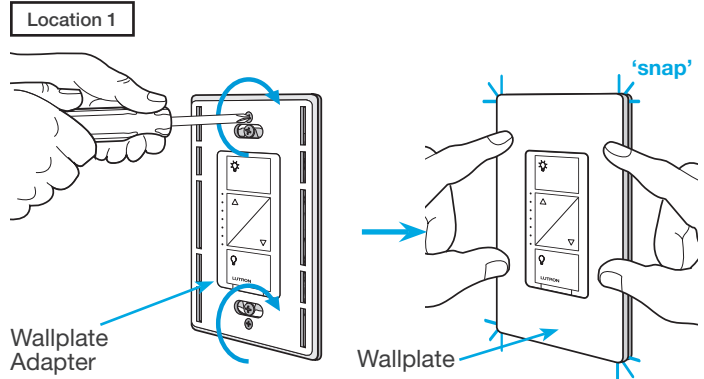
8 Connect the Caséta Wireless dimmer



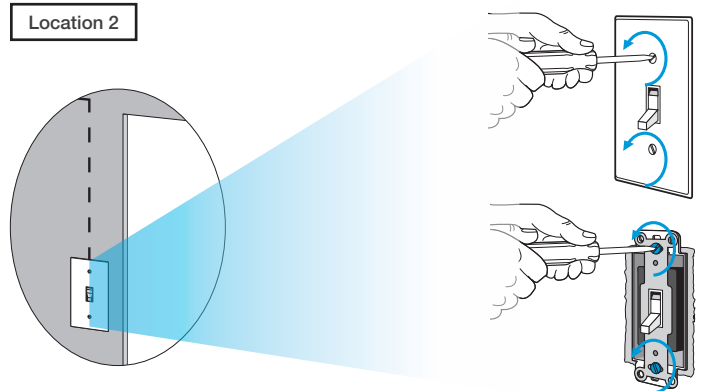
9 Mount the Caséta Wireless dimmer



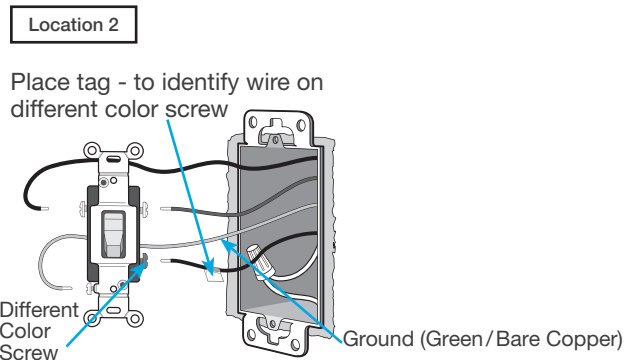
10 Attach the wallplate



11 Remove existing switch from wall at Location 2

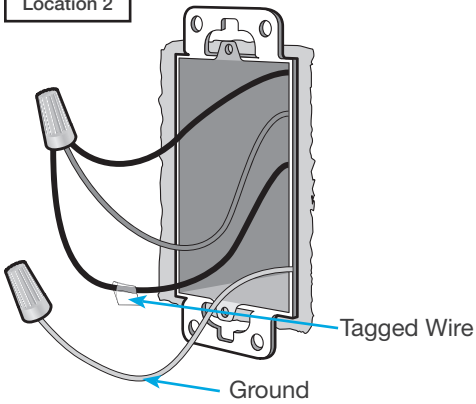


12 Tag and disconnect wires from the switch



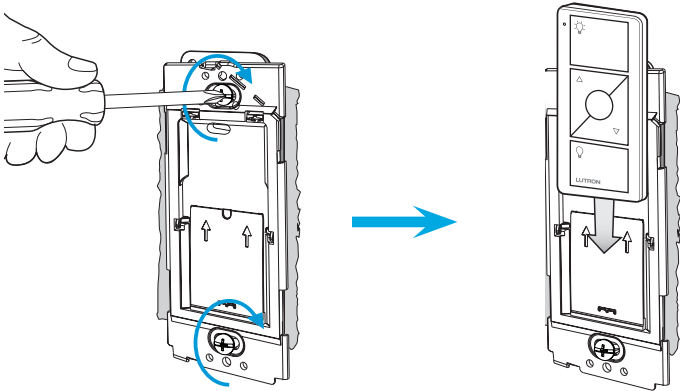
13 Connect the wires

Location 2



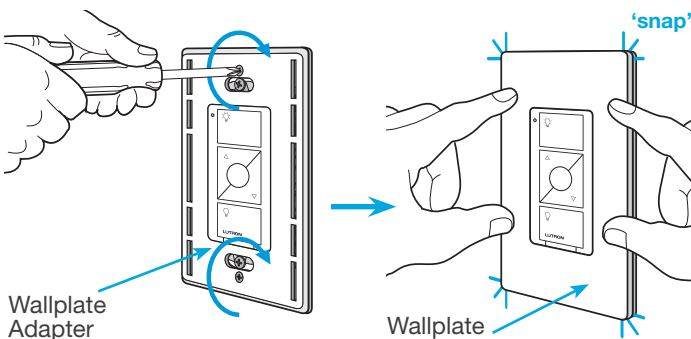
14 Attach the wallplate bracket and Pico remote control

Location 2

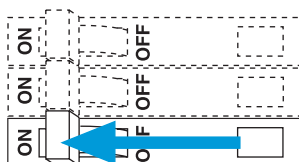


15 Attach the wallplate

Location 2



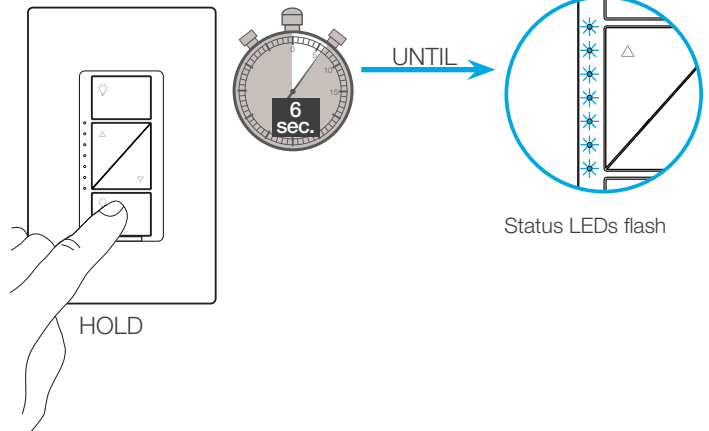
16 Turn power on at circuit breaker



Pairing the dimmer and Pico remote control

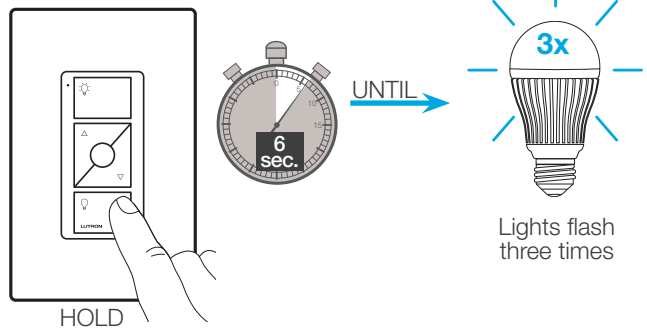
17 Press and hold "Off" button on dimmer

Location 1



18 Press and hold "Off" button on remote control

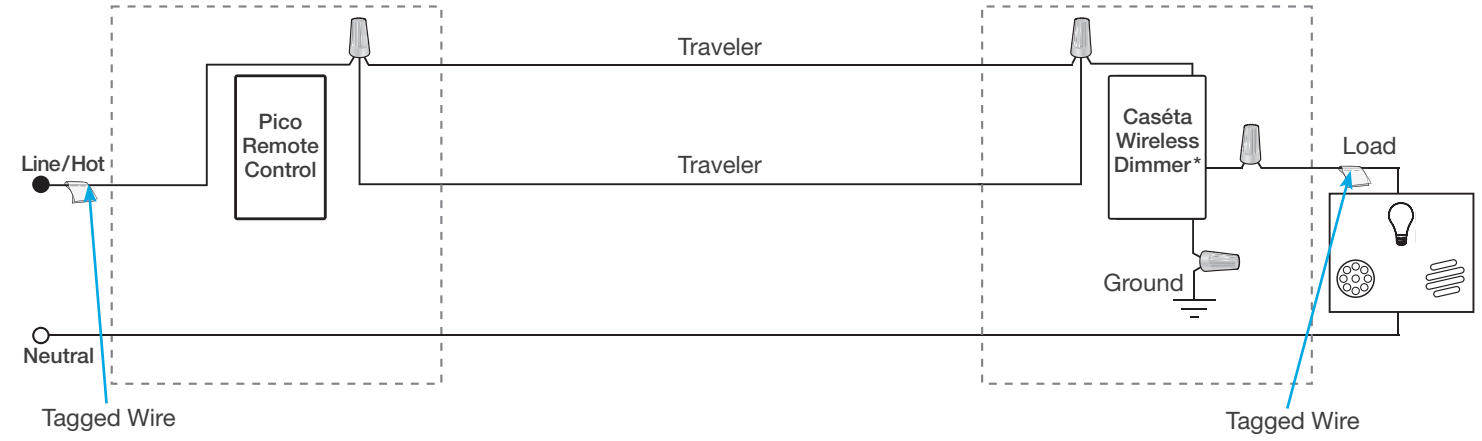
Location 2



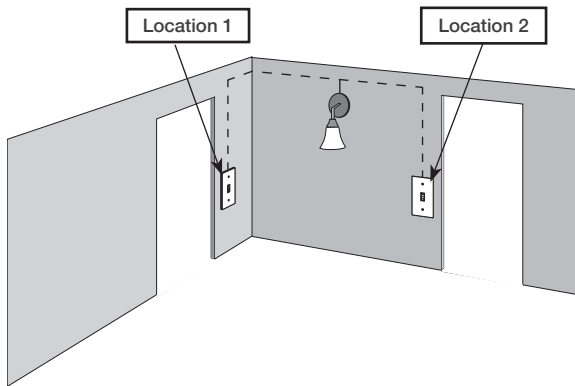
19 Pair additional remote controls

Repeat steps 17 and 18 to pair additional remote controls.

Schematic Diagram



1 Identify existing wiring



Two switches control the 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 45 for details

2 What you need for a 3-way installation



In-wall switch
PD-5WS-DV

+



Pico remote control
PJ2-2B

+



Wallplate Bracket
PICO-WBX-ADAPT

+

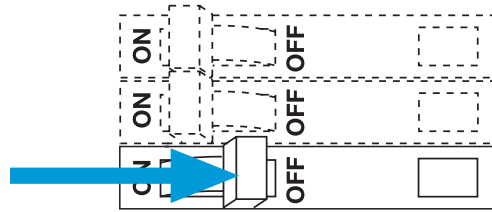


Two Claro Wallplates
CW-1

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.

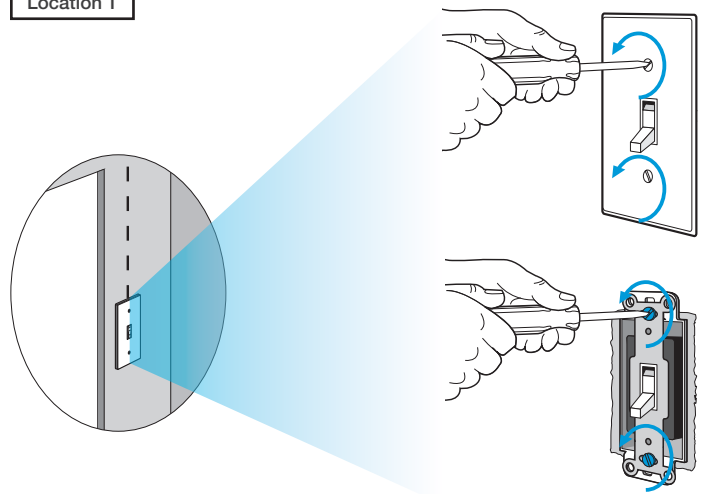
4 Turn power off at circuit breaker



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

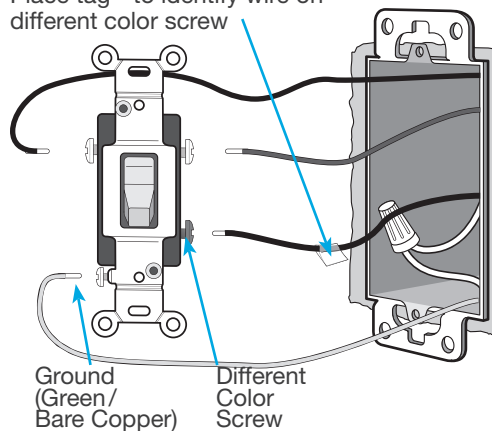
Location 1



6 Tag and disconnect wires from the existing switch

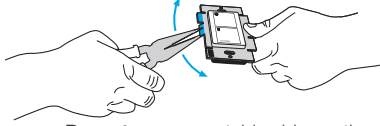
Location 1

Place tag - to identify wire on different color screw

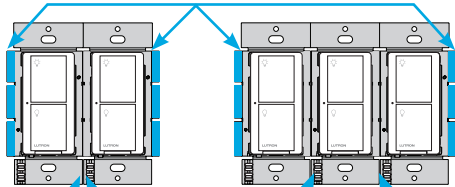


7 Remove side sections (if necessary)

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:

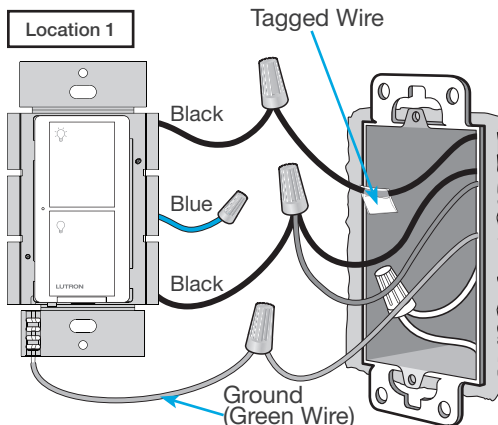
Removing side sections reduces the switch's maximum wattage rating. See the chart below for maximum wattage information.

	A	B	C
PD-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

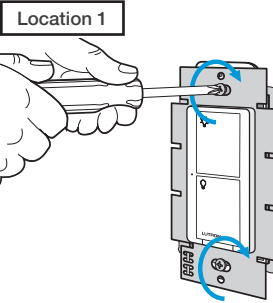
¹ The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the in-wall switch.

² The in-wall switch is UL_e Listed for use with all magnetic and electronic fluorescent ballasts.

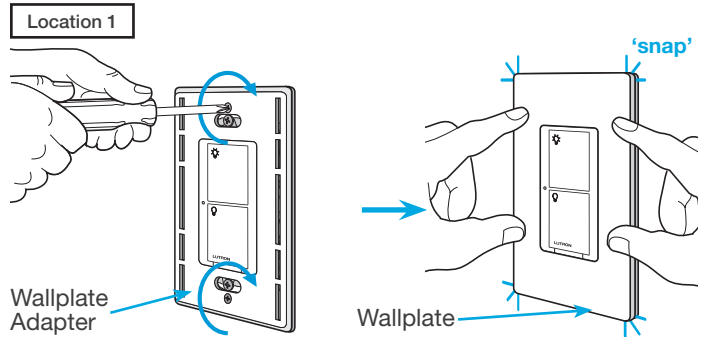
8 Connect the new Caséta Wireless switch



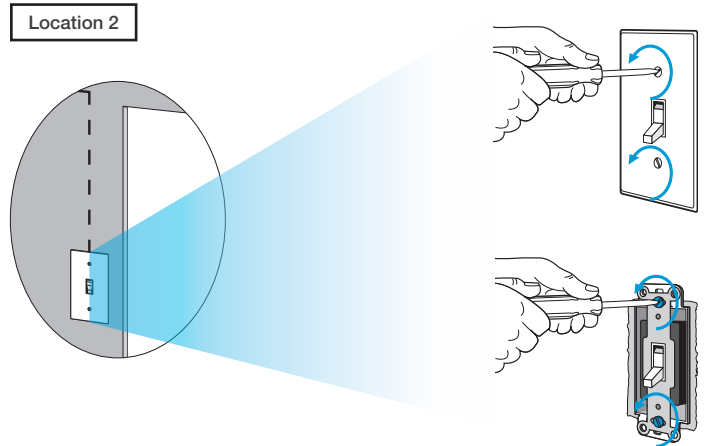
9 Mount the Caséta Wireless switch



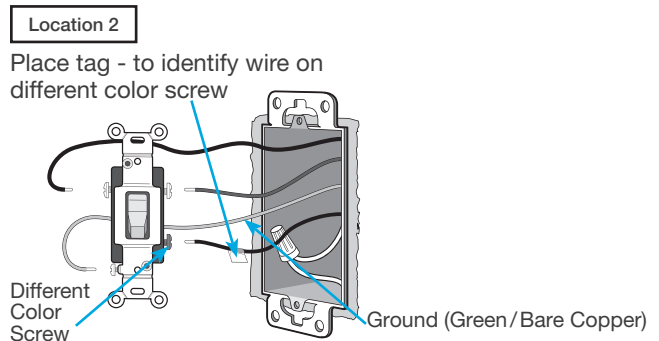
10 Attach the wallplate



11 Remove existing switch from wall at Location 2

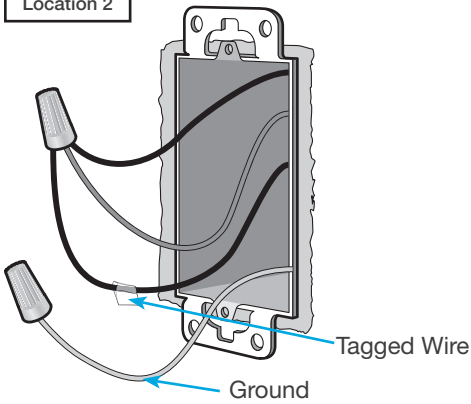


12 Tag and disconnect wires from the existing switch



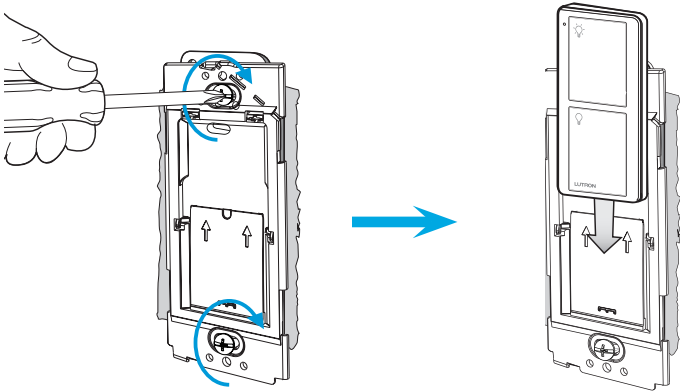
13 Connect the wires

Location 2



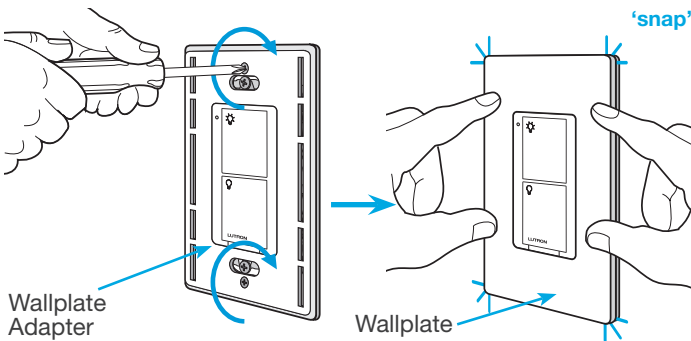
14 Attach the wallplate bracket and Pico remote control

Location 2

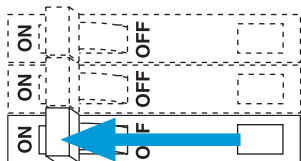


15 Attach the wallplate

Location 2



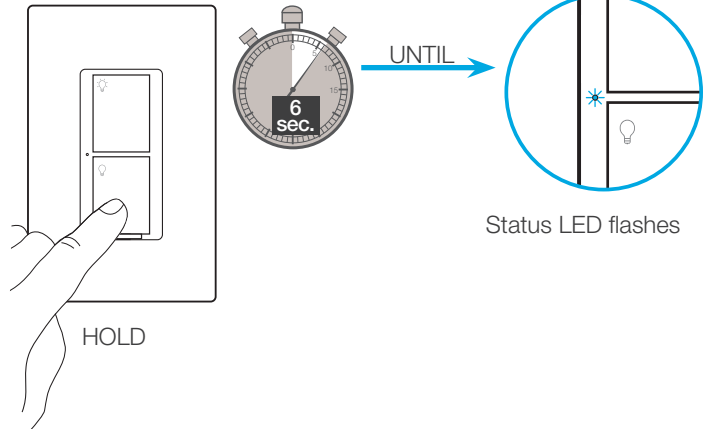
16 Turn power on at circuit breaker



Pairing the switch and Pico remote control

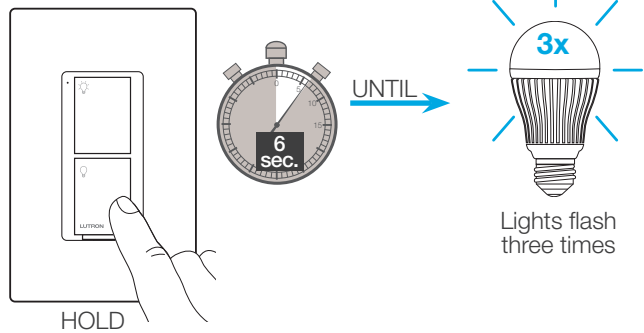
17 Press and hold "Off" button on switch

Location 1



18 Press and hold "Off" button on remote control

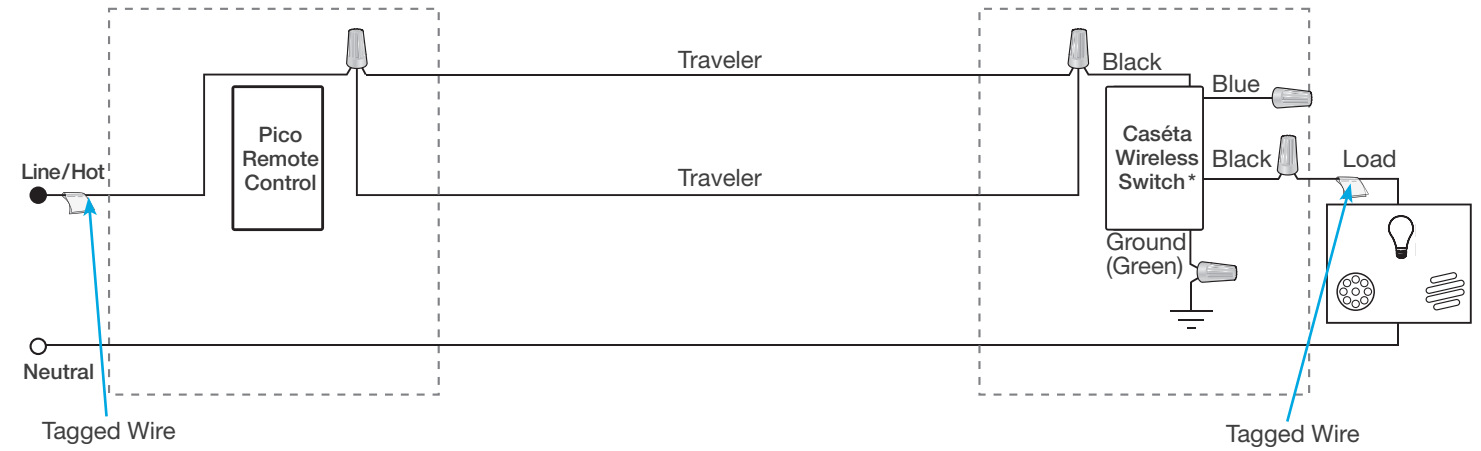
Location 2



19 Pair additional remote controls

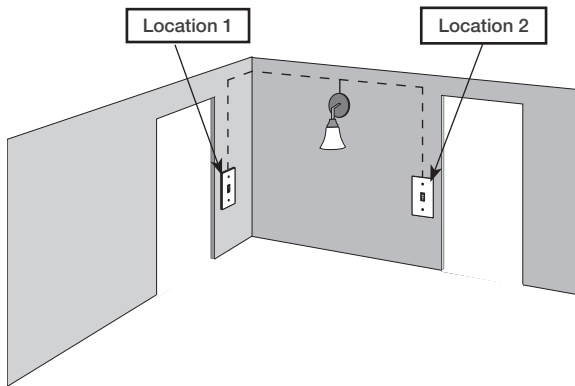
Repeat steps 17 and 18 to pair additional remote controls.

Schematic Diagram



* 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 40 for details

2 What you need for a 3-way installation



In-wall PRO dimmer
PD-10NXD

Claro Wallplate
CW-1

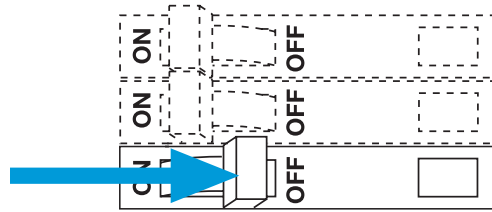


Pico remote control
with wall-mounting kit
PJ2-WALL

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.

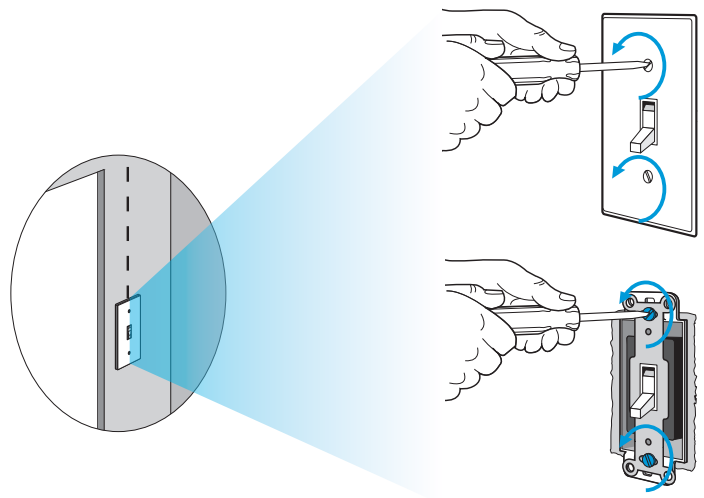
4 Turn power off at circuit breaker



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

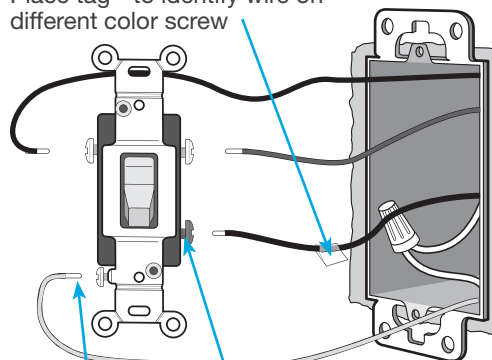
Location 1



6 Tag and disconnect wires from the existing switch

Location 1

Place tag - to identify wire on different color screw

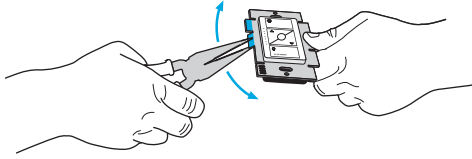


Ground
(Green/
Bare Copper)

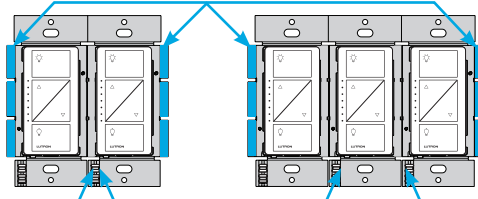
Different
Color
Screw

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.

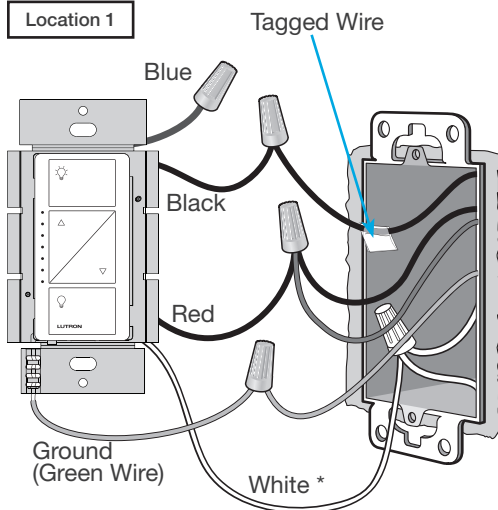
Dimmer in the middle has all side sections removed.

Important note:

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

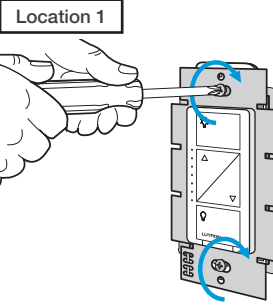
Total Dimmable LED Wattage	Incandescent/Halogen Total Wattage		
	A	B	C
0 W	+ 1000 W	800 W	600 W
1 W – 25 W	+ 900 W	750 W	550 W
26 W – 50 W	+ 800 W	700 W	500 W
51 W – 75 W	+ 700 W	600 W	450 W
76 W – 100 W	+ 600 W	500 W	400 W
101 W – 125 W	+ 500 W	400 W	300 W
126 W – 150 W	+ 400 W	300 W	200 W
151 W – 175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

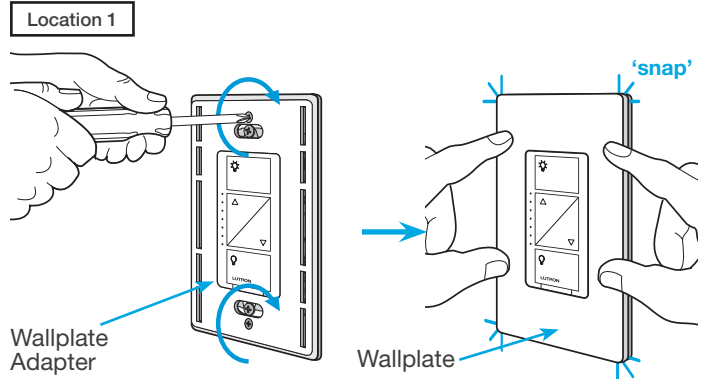


* If available, connect the neutral wire from the wallbox to the white wire on the dimmer. If neutral is not available, cap the white wire with a wire connector. *Neutral required for: MLV loads, LED drivers, PHPM-PA, PHPM-3F, GRX-TVI.*

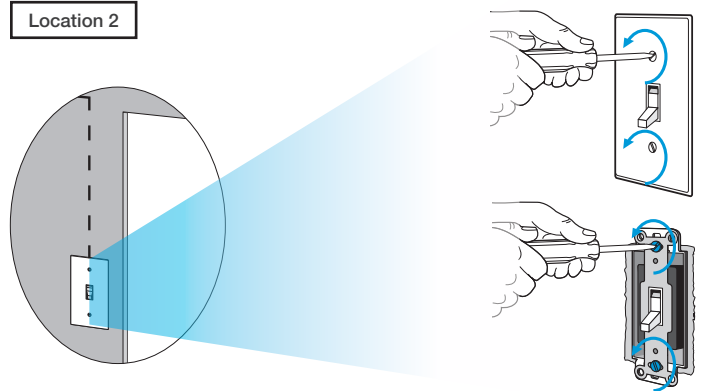
9 Mount the Caséta Wireless dimmer



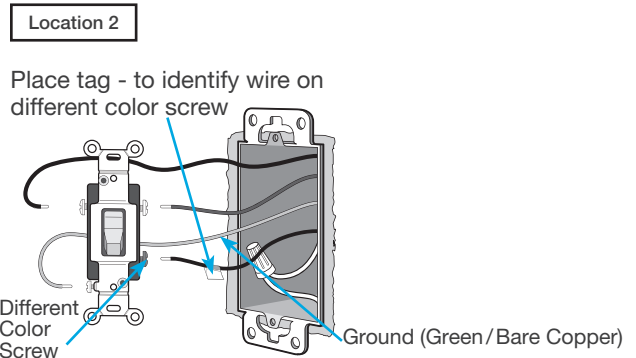
10 Attach the wallplate



11 Remove existing switch from wall at Location 2

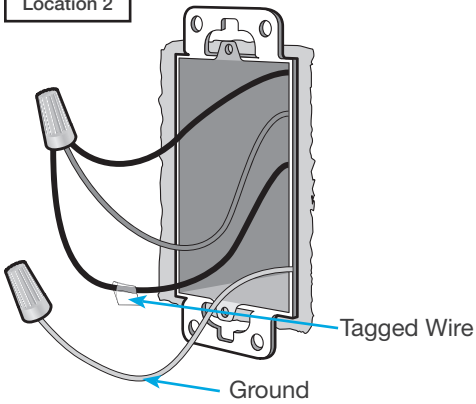


12 Tag and disconnect wires from the switch



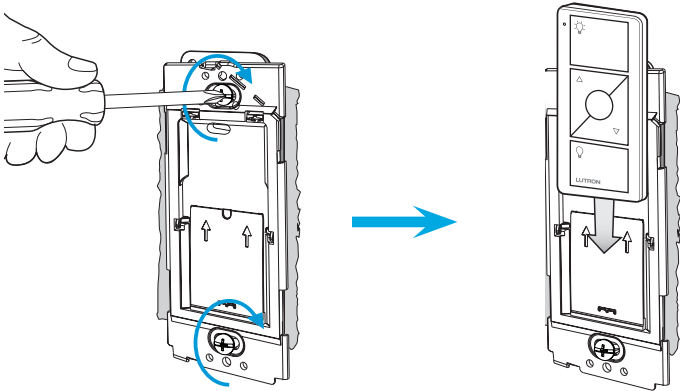
13 Connect the wires

Location 2



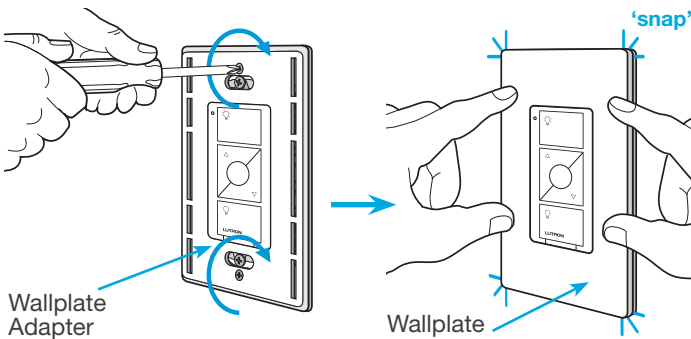
14 Attach the wallplate bracket and Pico remote control

Location 2

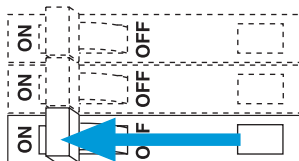


15 Attach the wallplate

Location 2



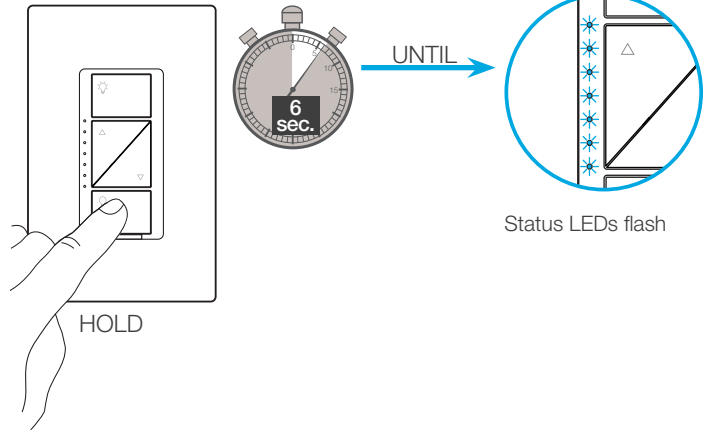
16 Turn power on at circuit breaker



Pairing the dimmer and Pico remote control

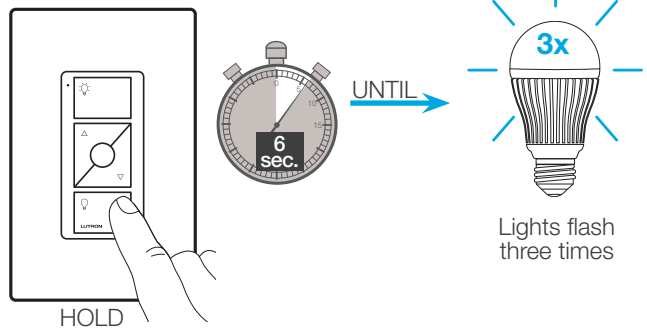
17 Press and hold "Off" button on dimmer

Location 1



18 Press and hold "Off" button on remote control

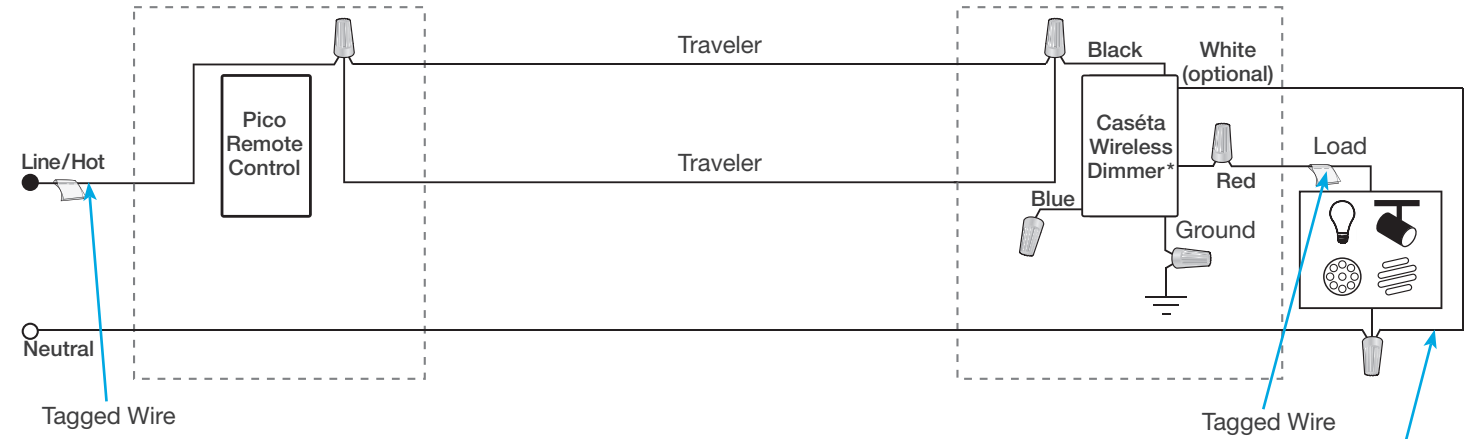
Location 2



19 Pair additional remote controls

Repeat steps 17 and 18 to pair additional remote controls.

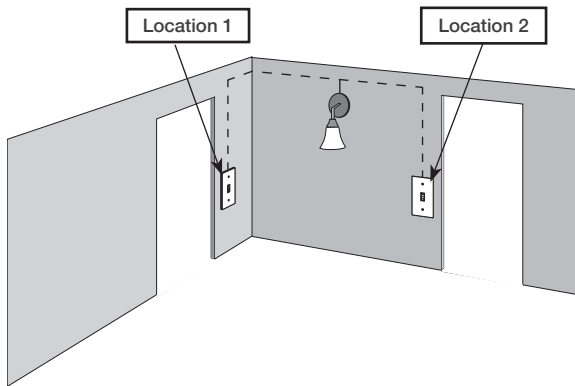
Schematic Diagram



* Dimmer may be installed in either location.

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 50 for details

2 What you need for a 3-way installation



In-wall switch
PD-6ANS

+



Pico remote control
PJ2-2B

+



Wallplate Bracket
PICO-WBX-ADAPT

+

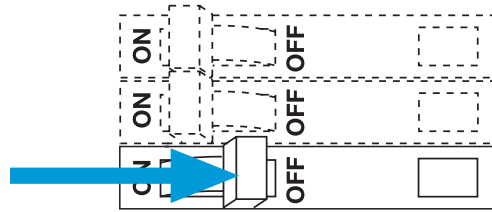


Two Claro Wallplates
CW-1

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.

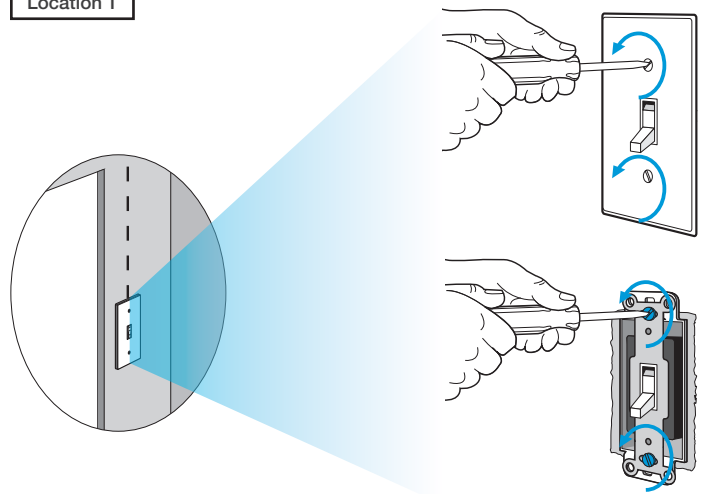
4 Turn power off at circuit breaker



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

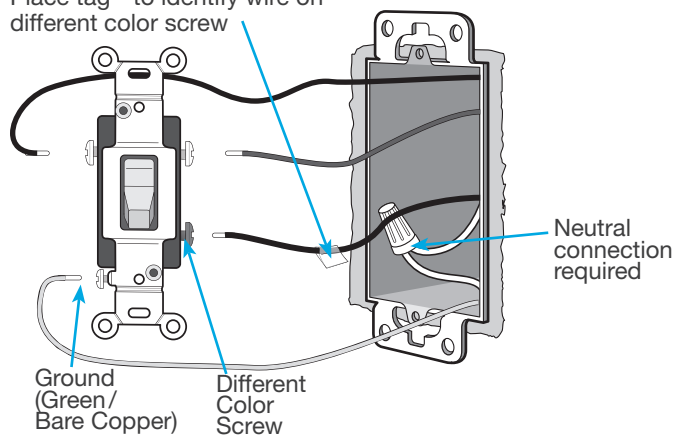
Location 1



6 Tag and disconnect wires from the existing switch

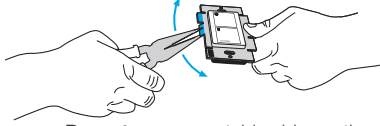
Location 1

Place tag - to identify wire on different color screw

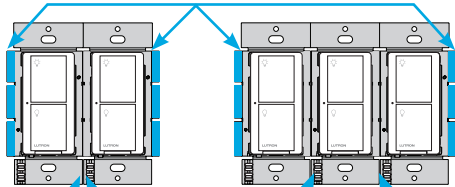


7 Remove side sections (if necessary)

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.

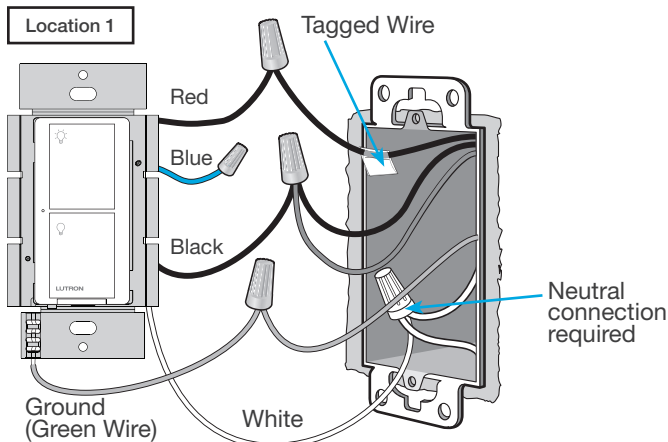
			
	A	B	C
PD-6ANS (120 V~)¹			
LED	6 A	6 A	5 A
Halogen / incandescent	720 W	720 W	600 W
Electronic Low-Voltage	720 VA	720 VA	600 VA
Magnetic Low-Voltage ²	720 VA	720 VA	600 VA
Fluorescent ³	6 A	6 A	5 A
General Purpose Fan	3.6 A	3.6 A	3.6 A

¹ Neutral required.

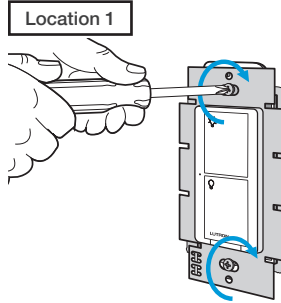
² The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the in-wall switch.

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

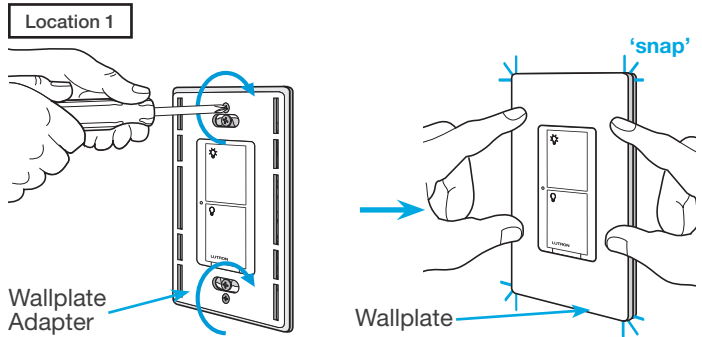
8 Connect the new Caséta Wireless neutral switch



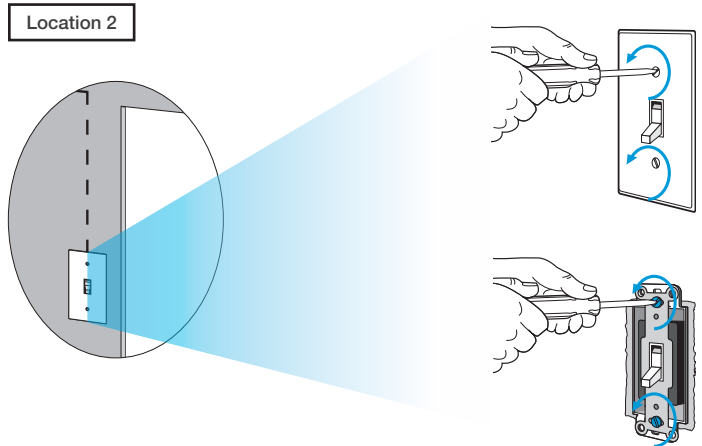
9 Mount the Caséta Wireless neutral switch



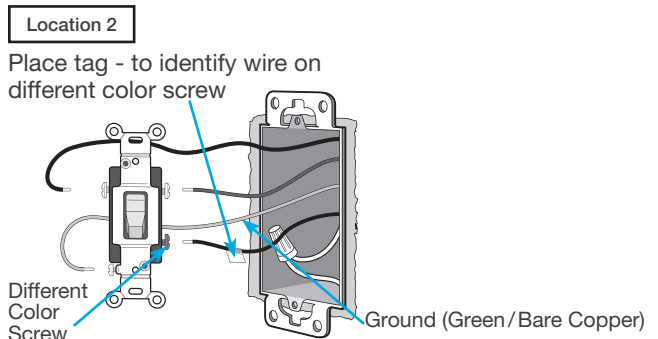
10 Attach the wallplate



11 Remove existing switch from wall at Location 2

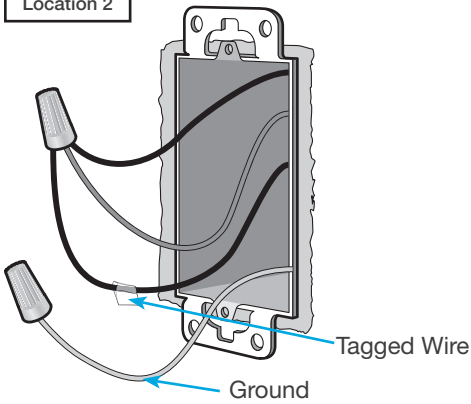


12 Tag and disconnect wires from the existing switch



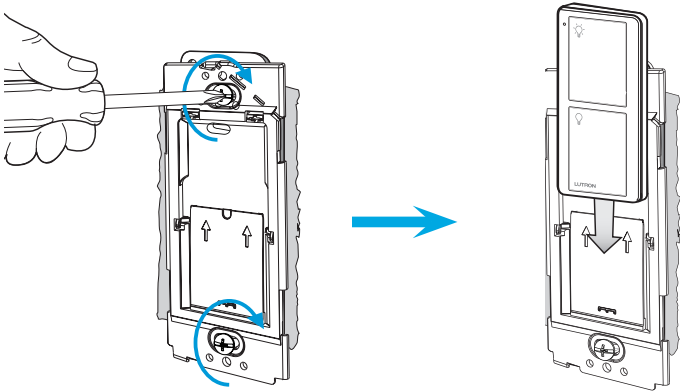
13 Connect the wires

Location 2



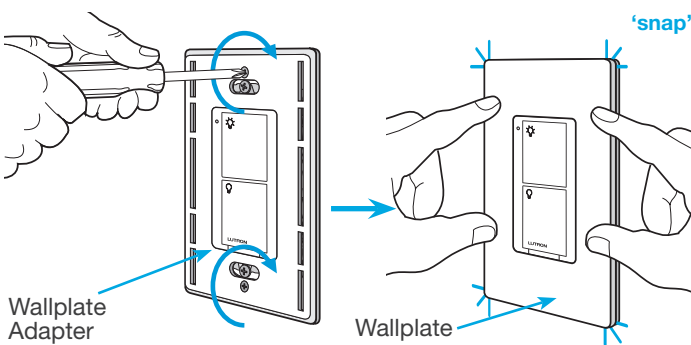
14 Attach the wallplate bracket and Pico remote control

Location 2

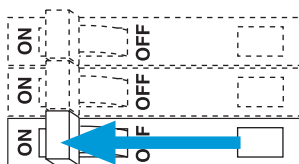


15 Attach the wallplate

Location 2



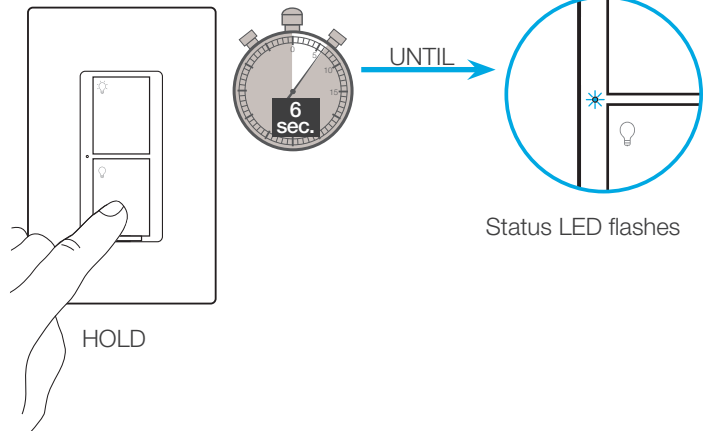
16 Turn power on at circuit breaker



Pairing the switch and Pico remote control

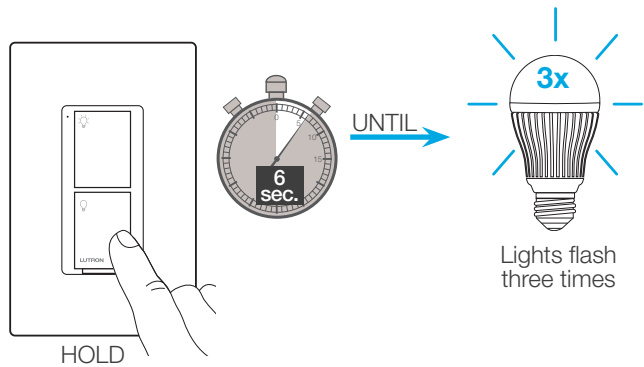
17 Press and hold "Off" button on switch

Location 1



18 Press and hold "Off" button on remote control

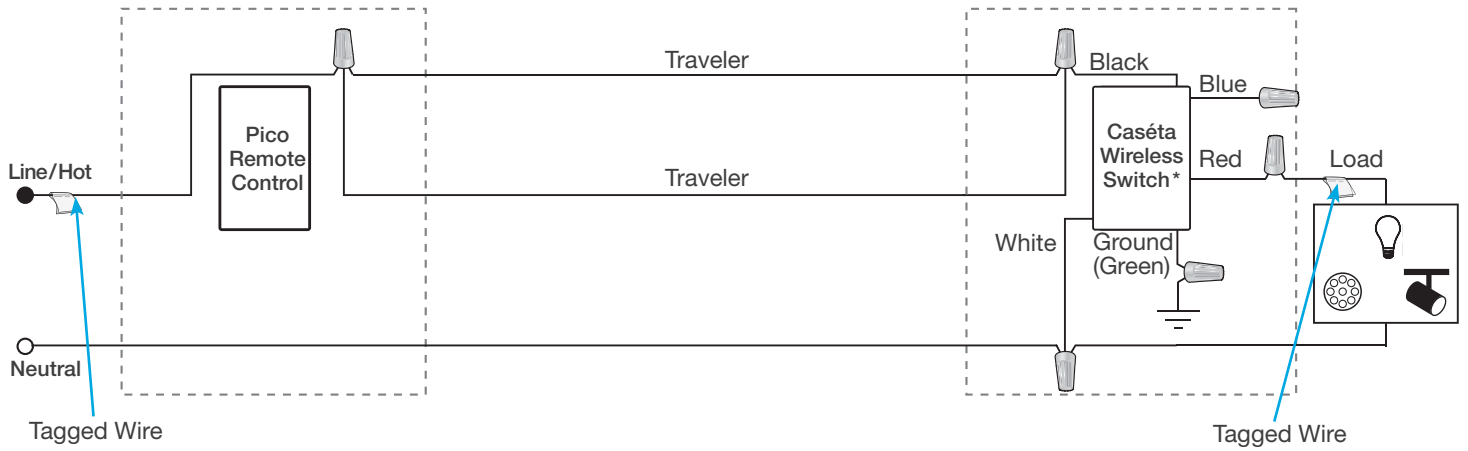
Location 2



19 Pair additional remote controls

Repeat steps 17 and 18 to pair additional remote controls.

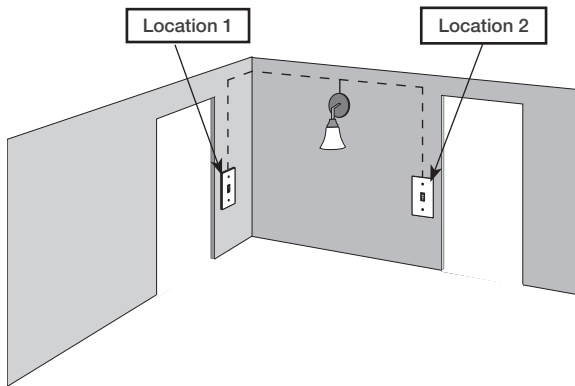
Schematic Diagram



* 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

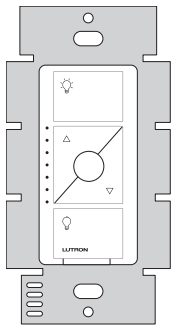


Two switches control the lights (3-way installation)

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 55 for details

2 What you need for a 3-way installation



ELV+ dimmer
PD-5NE

+



Claro Wallplate
CW-1

+

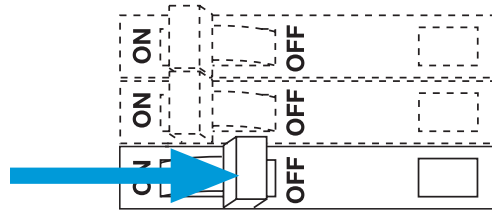


Pico remote control
with wall-mounting kit
PJ2-WALL

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.

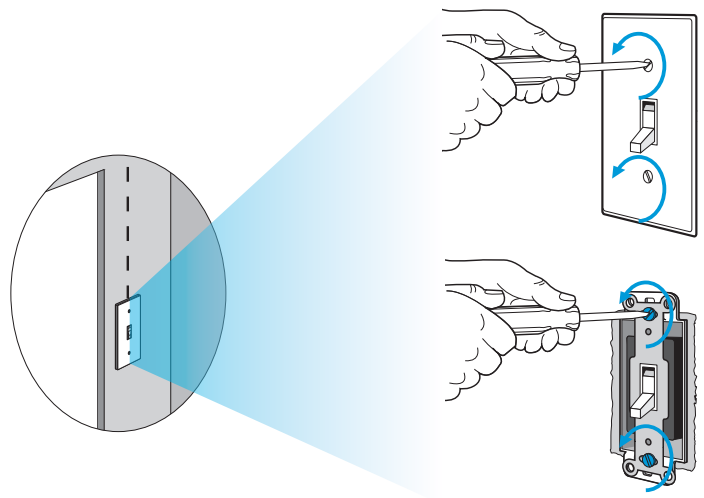
4 Turn power off at circuit breaker



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

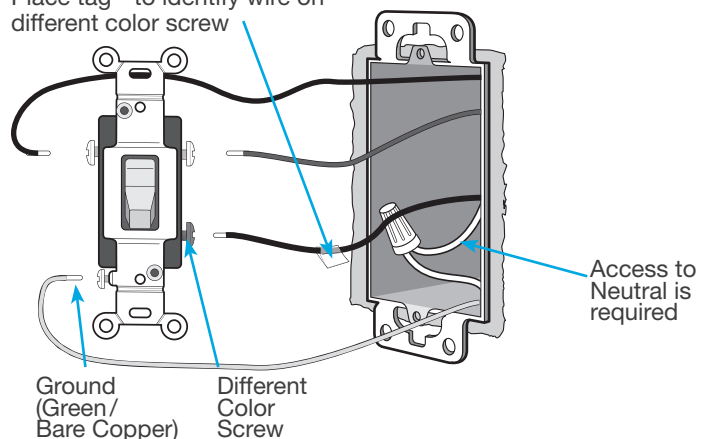
Location 1



6 Tag and disconnect wires from the existing switch

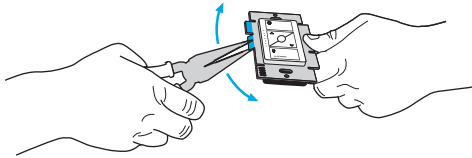
Location 1

Place tag - to identify wire on different color screw

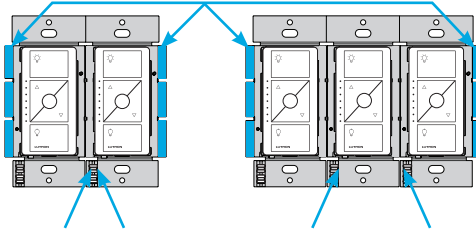


7 Remove side sections (if necessary)

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.

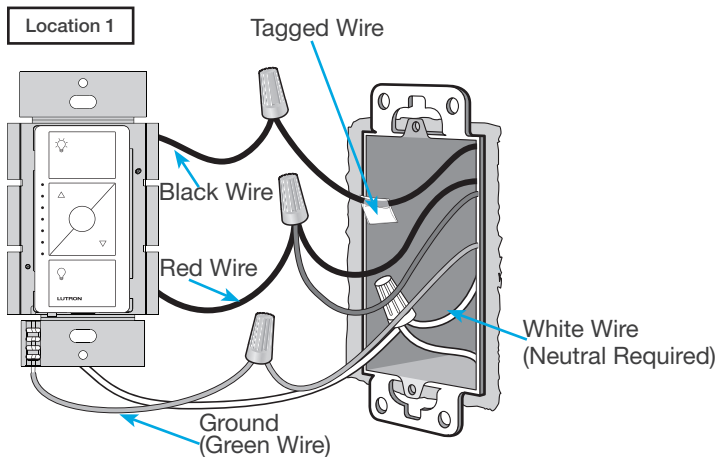
Dimmer in the middle has all side sections removed.

Important note:

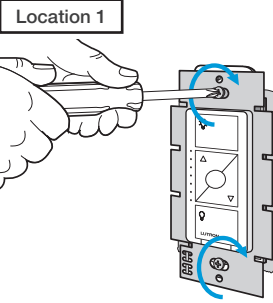
Removing side sections reduces the dimmer's maximum wattage rating. See the chart below for maximum wattage information.

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

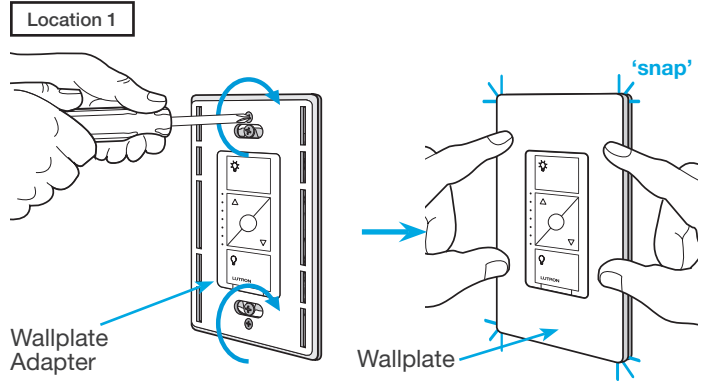
8 Connect the Caséta Wireless dimmer



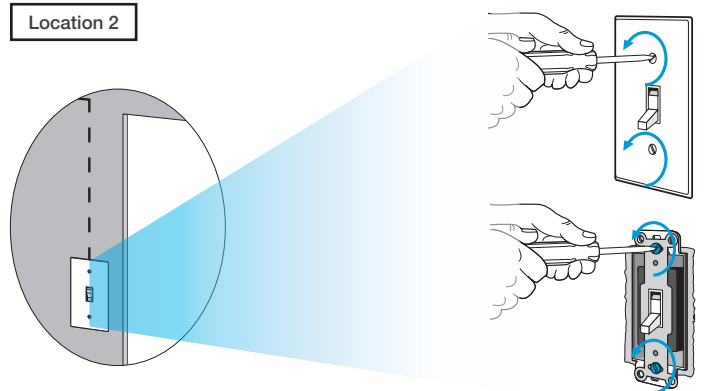
9 Mount the Caséta Wireless dimmer



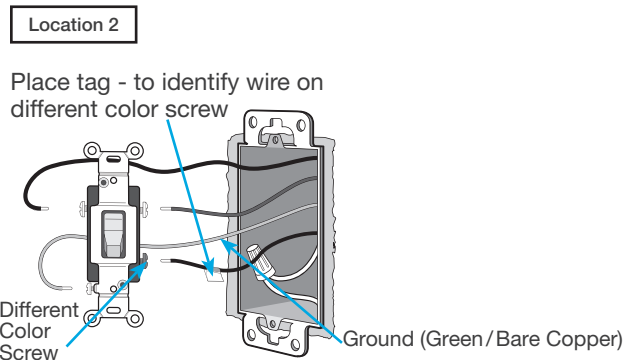
10 Attach the wallplate



11 Remove existing switch from wall at Location 2

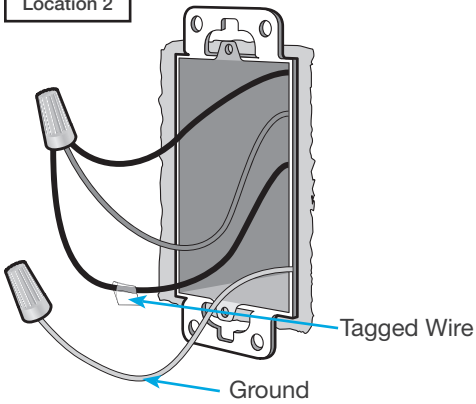


12 Tag and disconnect wires from the switch



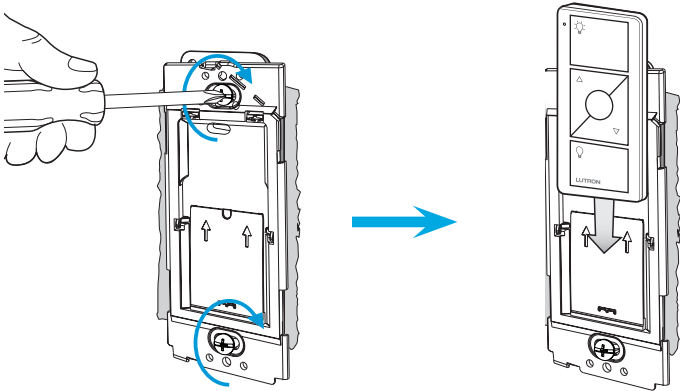
13 Connect the wires

Location 2



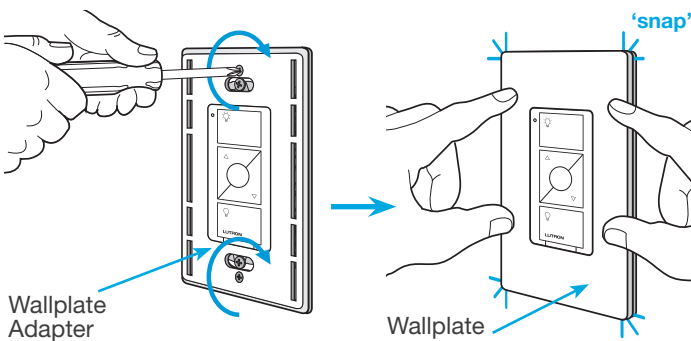
14 Attach the wallplate bracket and Pico remote control

Location 2

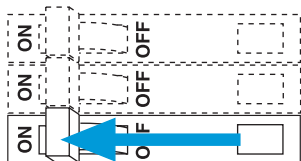


15 Attach the wallplate

Location 2



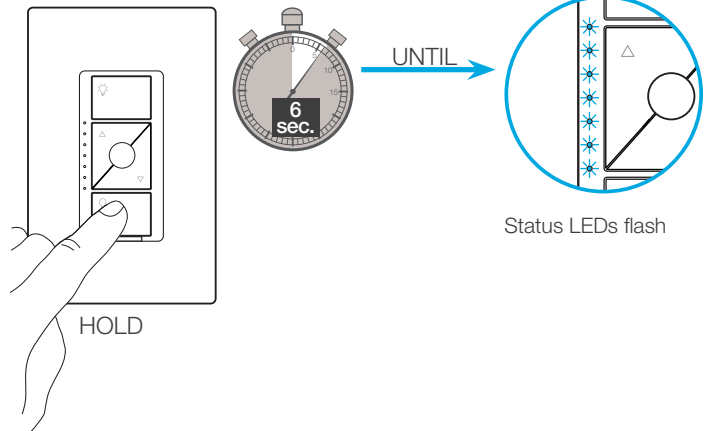
16 Turn power on at circuit breaker



Pairing the dimmer and Pico remote control

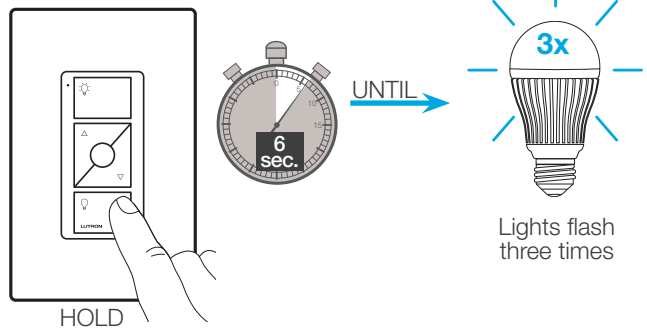
17 Press and hold "Off" button on dimmer

Location 1



18 Press and hold "Off" button on remote control

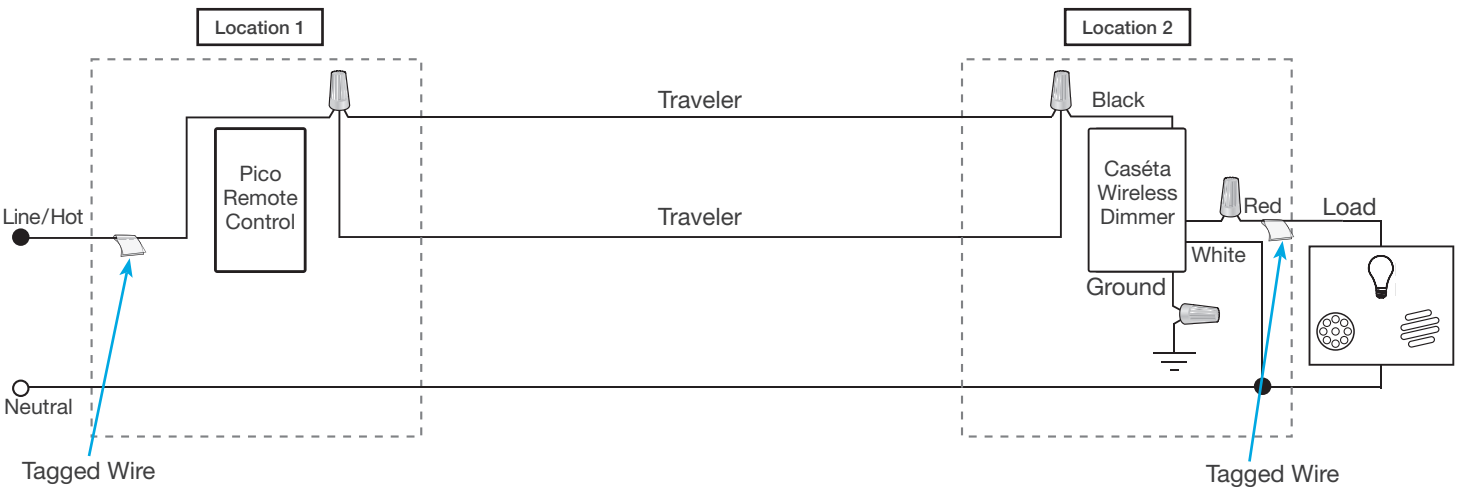
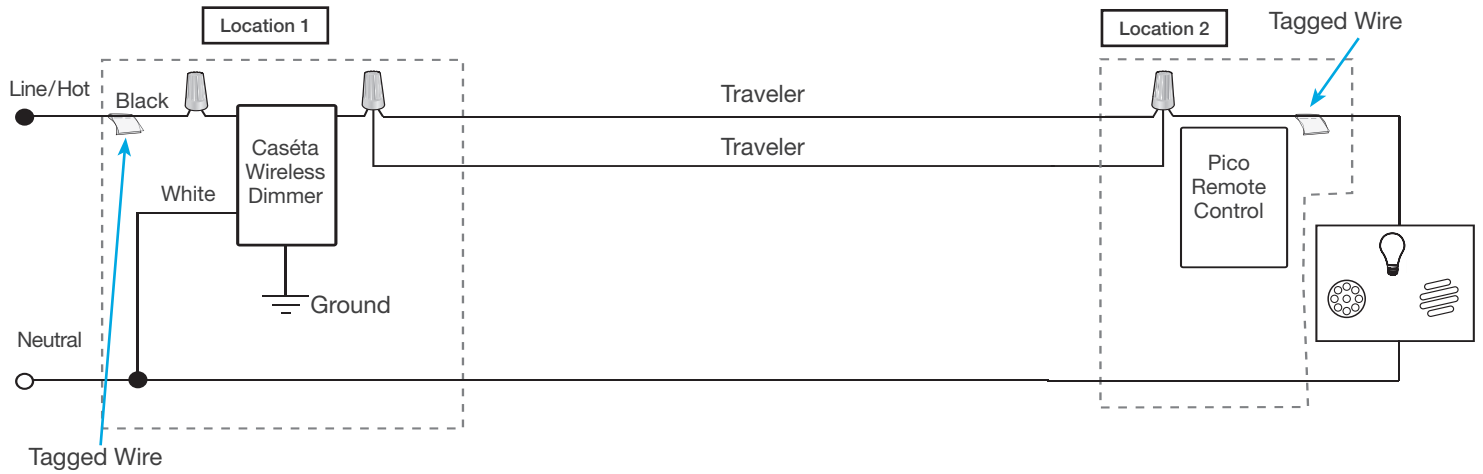
Location 2



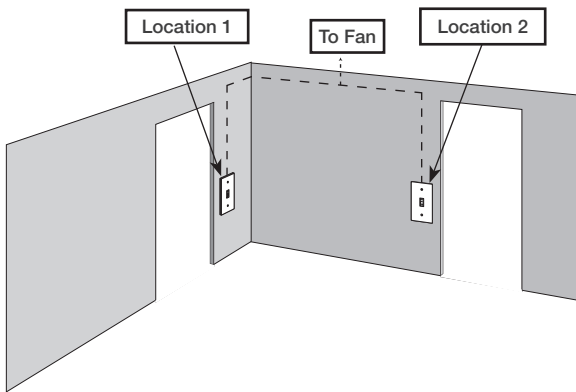
19 Pair additional remote controls

Repeat steps 17 and 18 to pair additional remote controls.

Schematic Diagram



1 Identify existing wiring

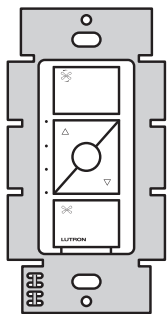


Two switches control the fan (3-way installation)

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 60 for details

2 What you need for a 3-way installation



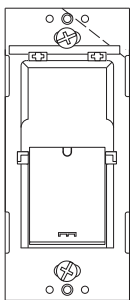
Fan Control
PD-FSQN

+



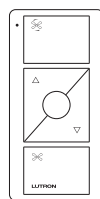
Two Claro Wallplates
CW-1

+



Pico Wallbox Adapter
PICO-WBX-ADAPT

+

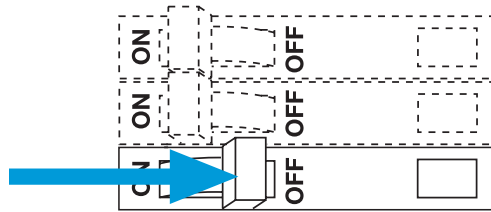


Pico Remote Control
for Fans
PJ2-3BRL-XXX-F01

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.

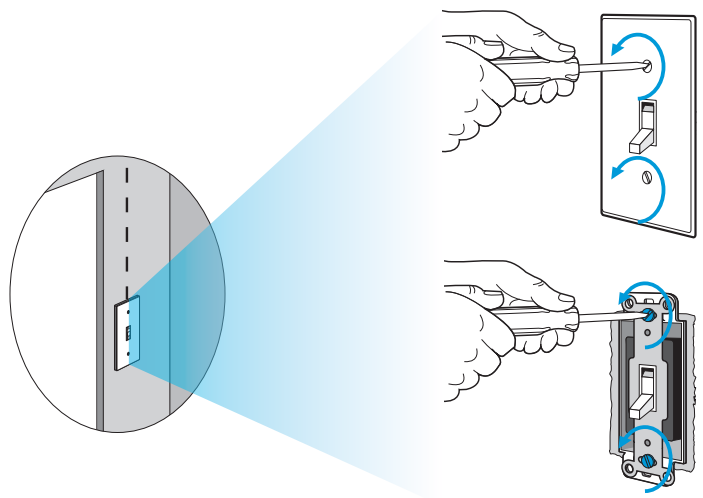
4 Turn power off at circuit breaker



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

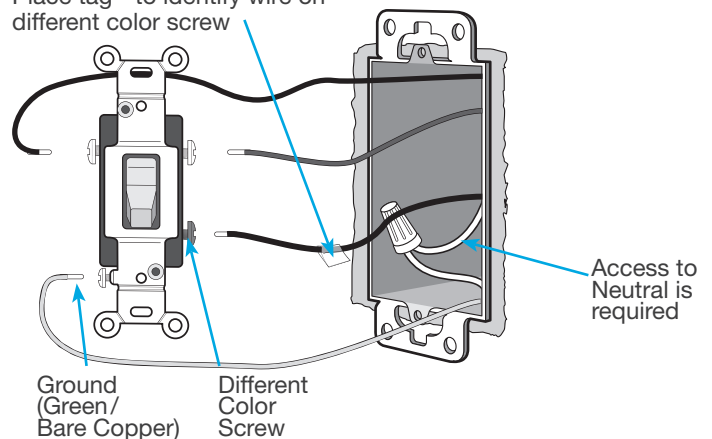
Location 1



6 Tag and disconnect wires from the existing switch

Location 1

Place tag - to identify wire on different color screw



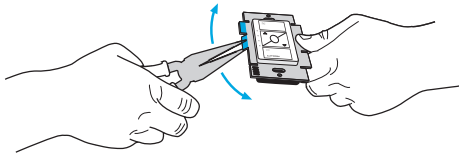
Ground
(Green/
Bare Copper)

Different
Color
Screw

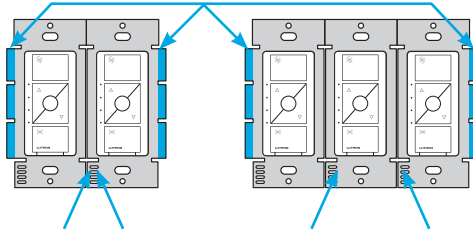
Access to
Neutral is
required

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.

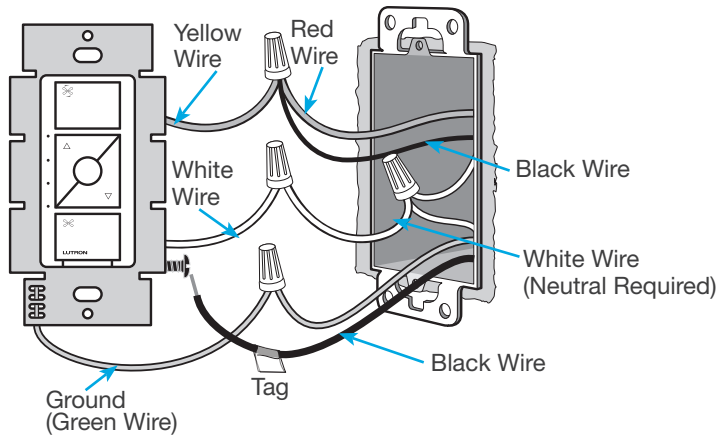


Each fan control has inside side sections removed.

Fan control in the middle has all side sections removed.

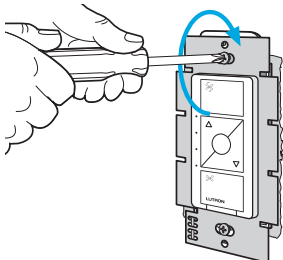
8 Connect the Caséta Wireless fan control

Location 1



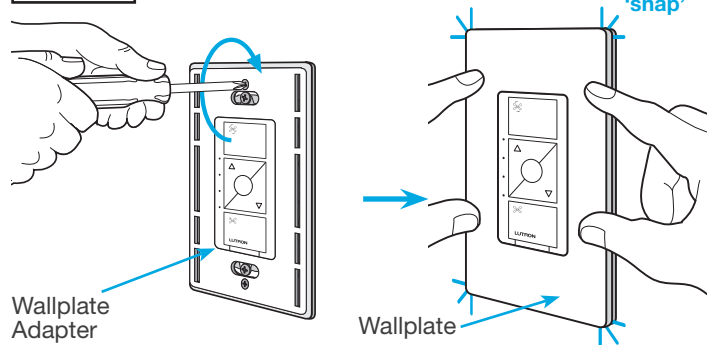
9 Mount the Caséta Wireless fan control

Location 1



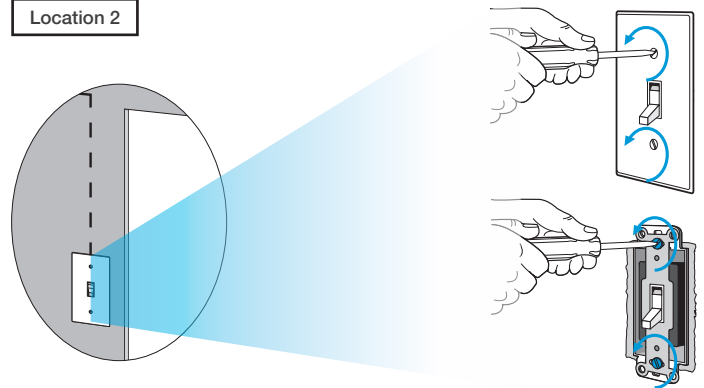
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

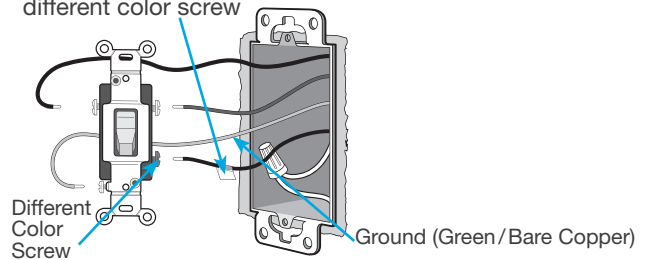
Location 2



12 Tag and disconnect wires from the switch

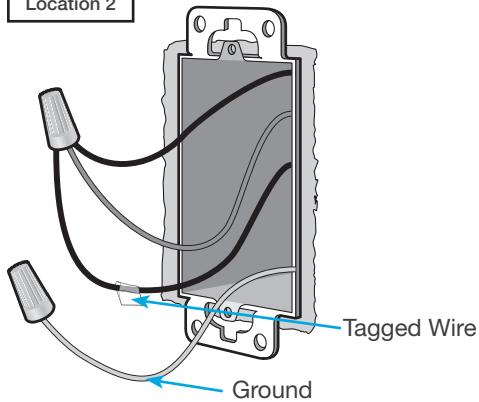
Location 2

Place tag - to identify wire on different color screw



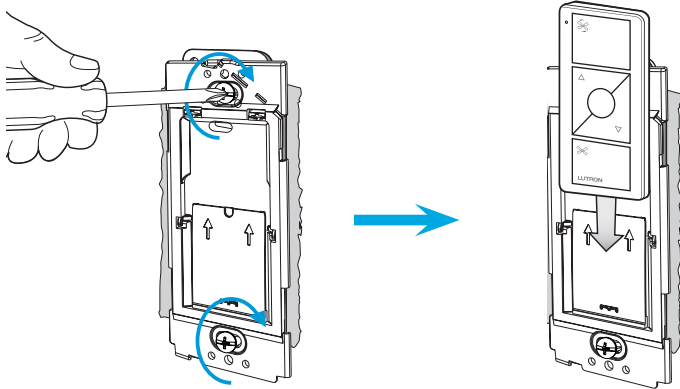
13 Connect the wires

Location 2



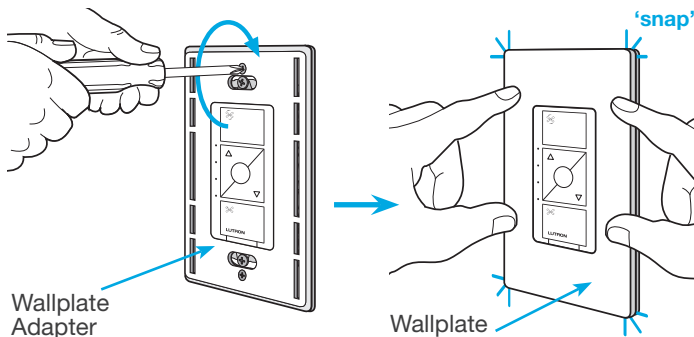
14 Attach the wallplate bracket and Pico remote control

Location 2

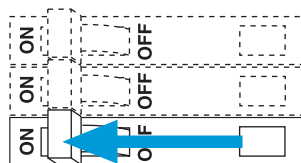


15 Attach the wallplate

Location 2



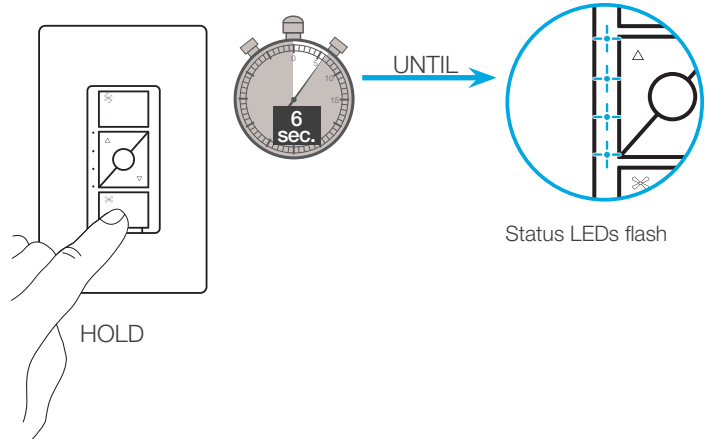
16 Turn power on at circuit breaker



Pairing the fan control and Pico remote control

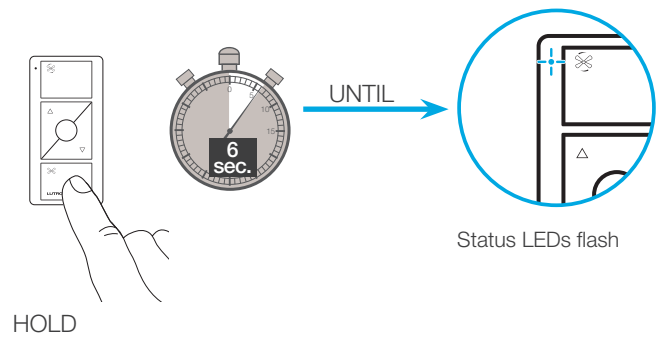
17 Press and hold "Off" button on fan control

Location 1



18 Press and hold "Off" button on remote control

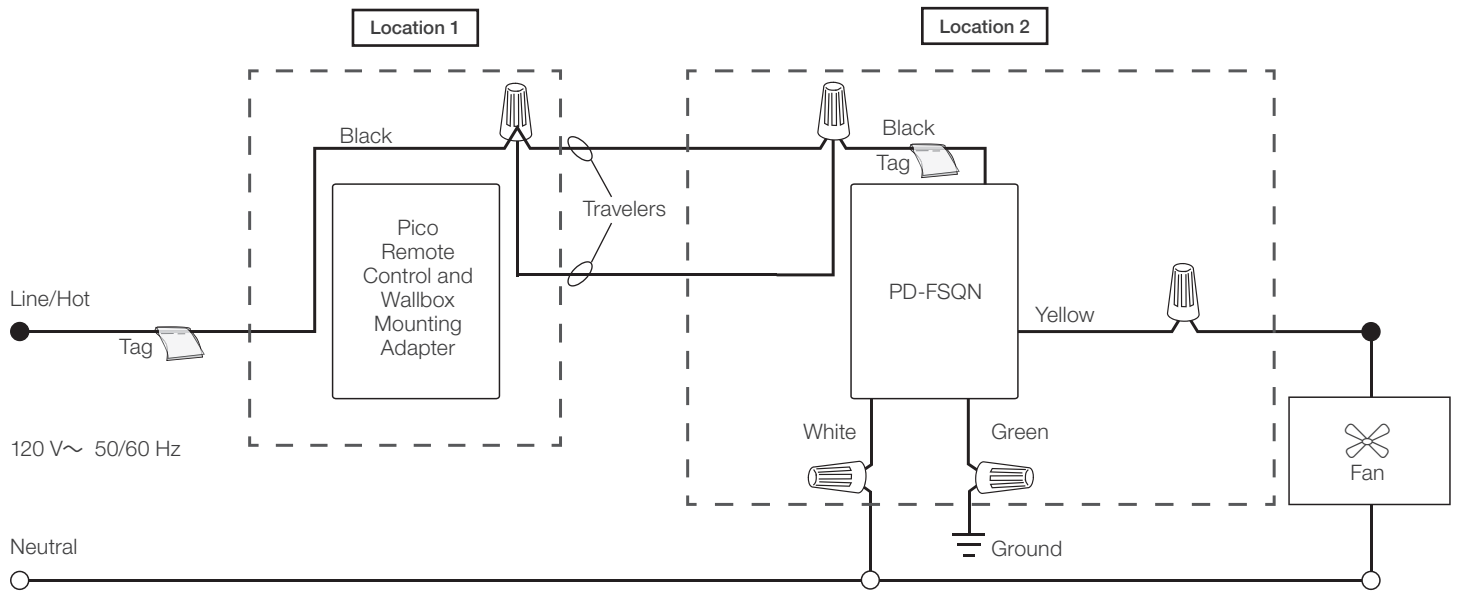
Location 2



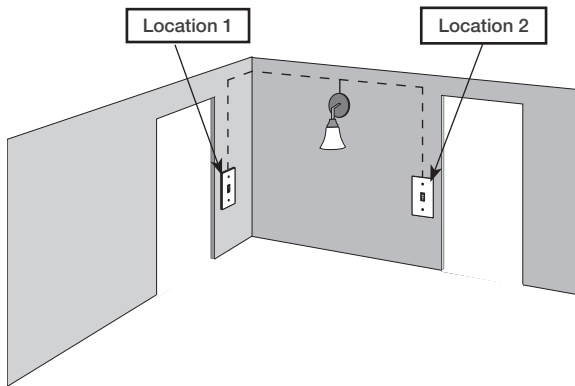
19 Pair additional remote controls

Repeat steps 17 and 18 to pair additional remote controls.

Schematic Diagram



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 45 for details

2 What you need for a 3-way installation



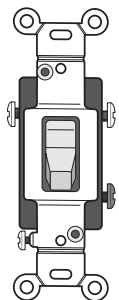
In-wall switch
PD-5WS-DV

+



Claro Wallplate
CW-1

+

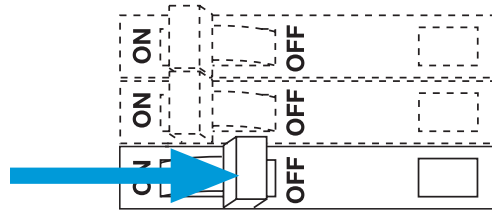


Existing mechanical
toggle switch

3 Choose a location for your Caséta Wireless switch

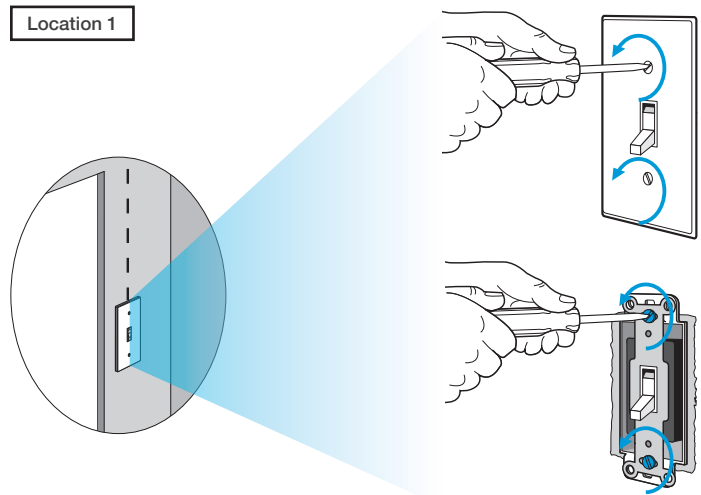
Choose which location you want the Caséta Wireless switch installed in. This will be Location 1.

4 Turn power off at circuit breaker

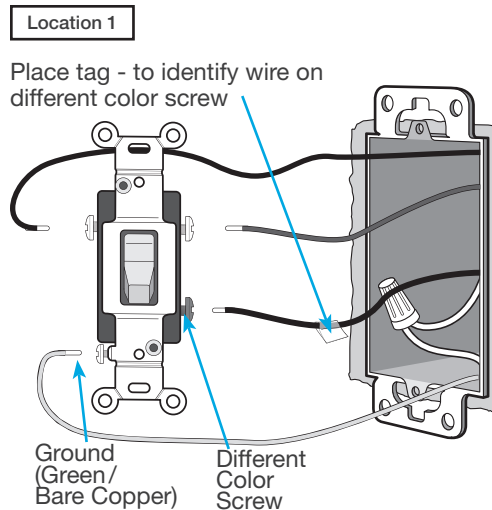


WARNING! Shock Hazard. May result in serious injury or death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

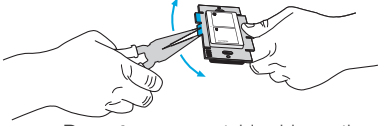


6 Tag and disconnect wires from the existing switch

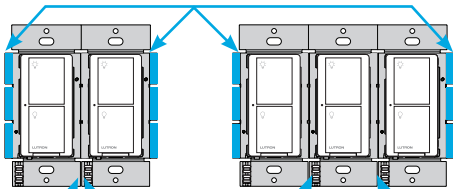


7 Remove side sections (if necessary)

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:

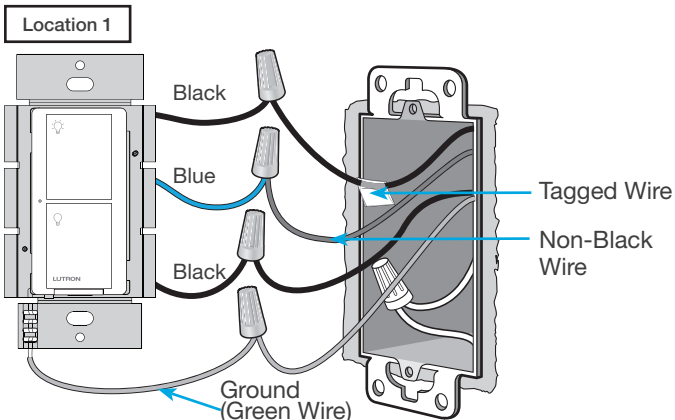
Removing side sections reduces the switch's maximum wattage rating. See the chart below for maximum wattage information.

	A	B	C
PD-5WS-DV (120 V~)			
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~)			
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

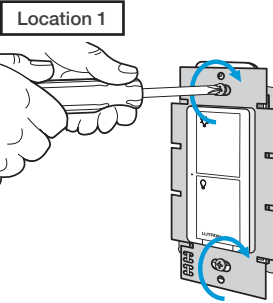
¹ The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the in-wall switch.

² The in-wall switch is UL_e Listed for use with all magnetic and electronic fluorescent ballasts.

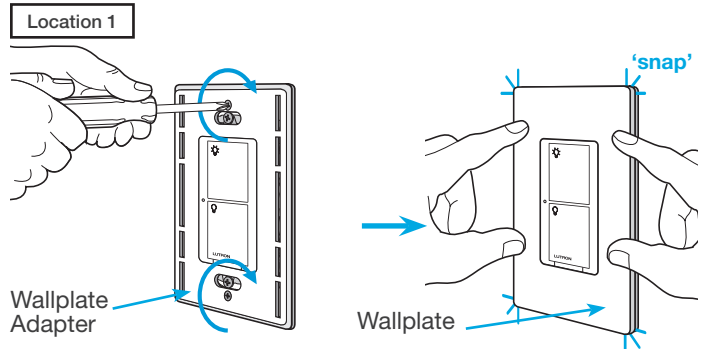
8 Connect the new Caséta Wireless switch



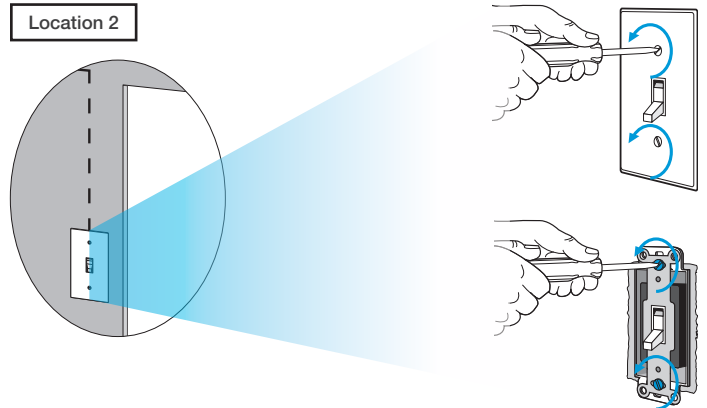
9 Mount the Caséta Wireless switch



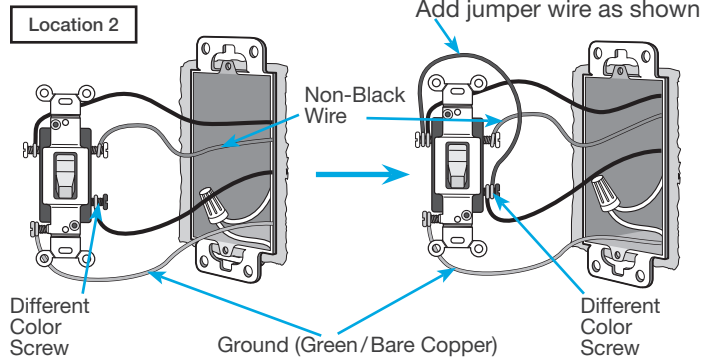
10 Attach the wallplate



11 Remove existing toggle switch from wall at Location 2

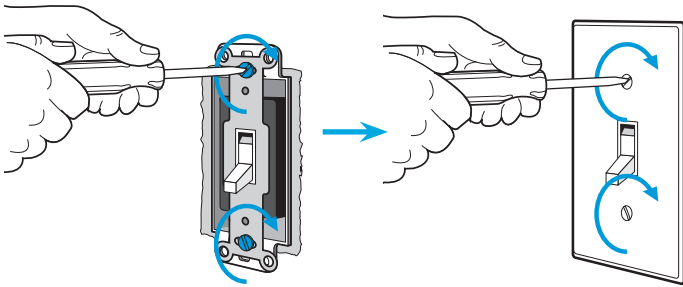


12 Modify wiring for existing toggle switch

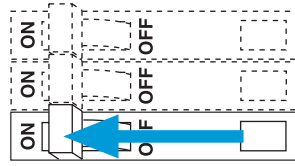


13 Remount existing switch

Location 2



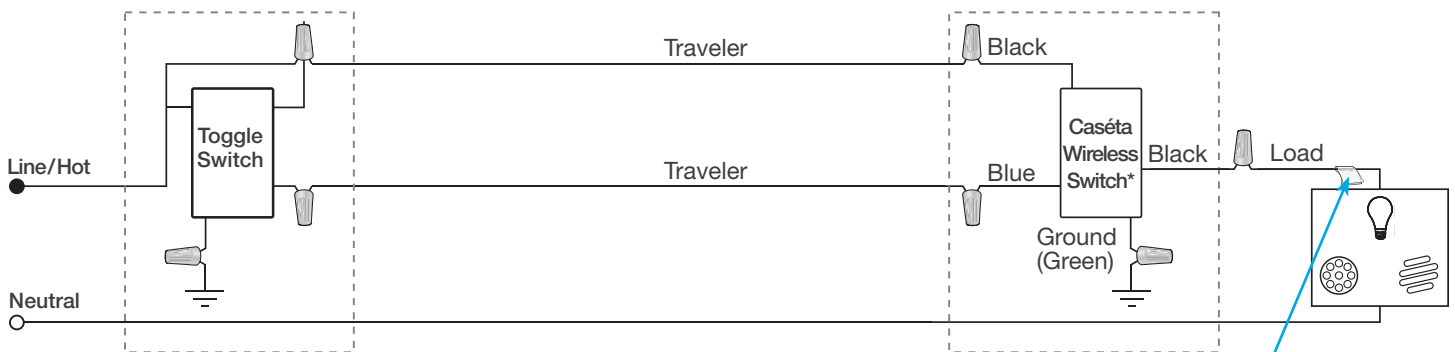
14 Turn power on at circuit breaker



Important note: Pico remote control (optional)

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

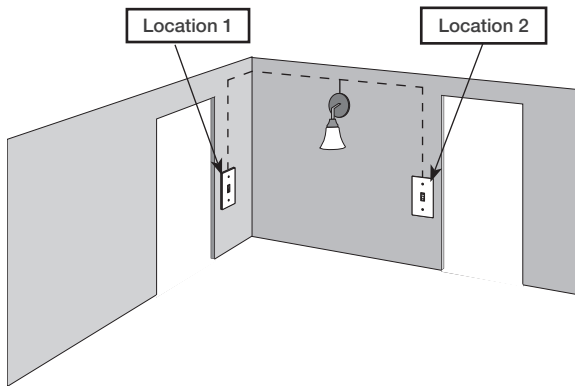
Schematic Diagram



* Switch may be installed in either location.

Tagged Wire

1 Identify existing wiring

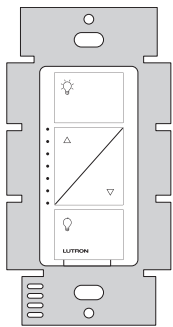


Two switches control the lights (3-way installation)

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 40 for details

2 What you need for a 3-way installation



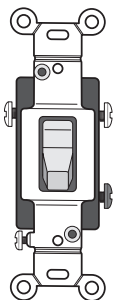
In-wall PRO dimmer
PD-10NXD

+



Claro Wallplate
CW-1

+

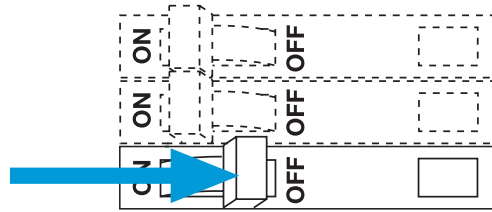


Existing mechanical
toggle switch

3 Choose a location for your Caséta Wireless dimmer

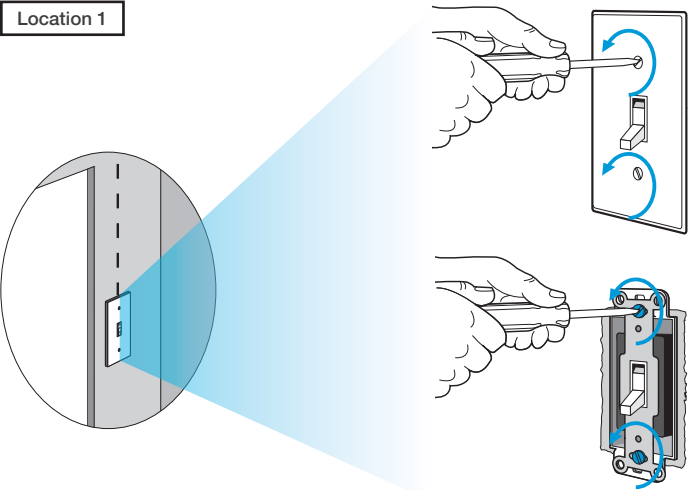
Choose which location you want the Caséta Wireless dimmer installed in. This will be Location 1.

4 Turn power off at circuit breaker

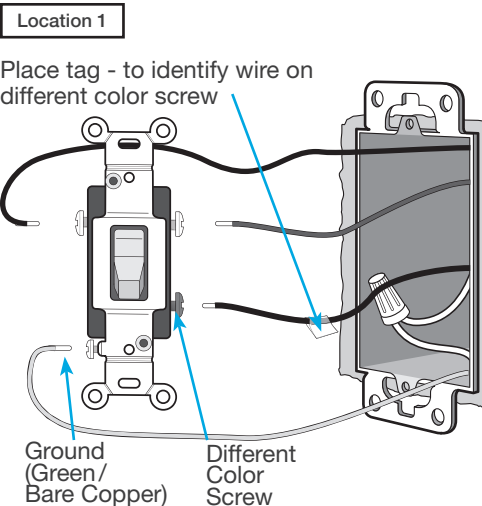


WARNING! Shock Hazard. May result in serious injury or death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

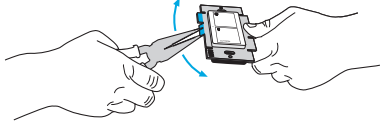


6 Tag and disconnect wires from the existing switch

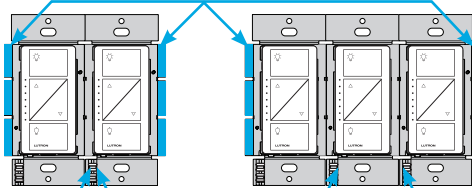


7 Remove side sections (if necessary)

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.

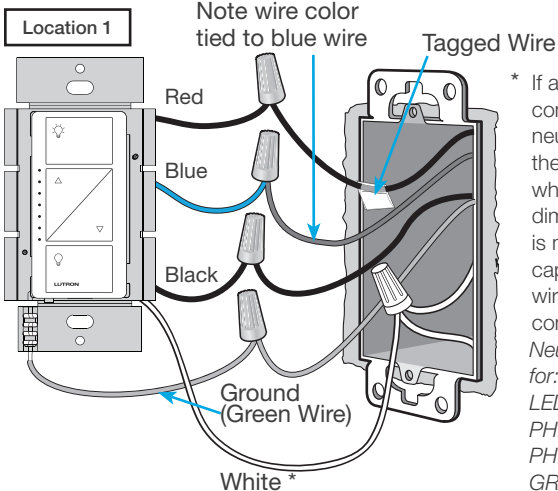
Dimmer in the middle has all side sections removed.

Important note:

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

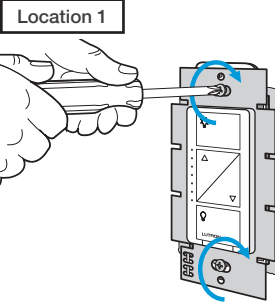
Total Dimmable LED Wattage	Incandescent/Halogen Total Wattage		
	A	B	C
0 W	+ 1000 W	800 W	600 W
1 W – 25 W	+ 900 W	750 W	550 W
26 W – 50 W	+ 800 W	700 W	500 W
51 W – 75 W	+ 700 W	600 W	450 W
76 W – 100 W	+ 600 W	500 W	400 W
101 W – 125 W	+ 500 W	400 W	300 W
126 W – 150 W	+ 400 W	300 W	200 W
151 W – 175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

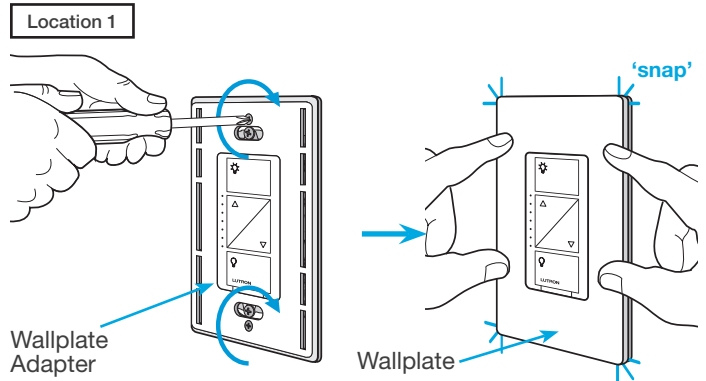


* If available, connect the neutral wire from the wallbox to the white wire on the dimmer. If neutral is not available, cap the white wire with a wire connector. *Neutral required for: MLV loads, LED drivers, PHPM-PA, PHPM-3F, GRX-TVI.*

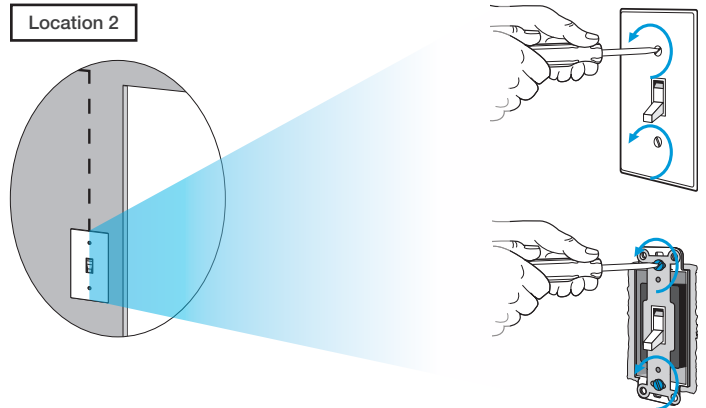
9 Mount the Caséta Wireless dimmer



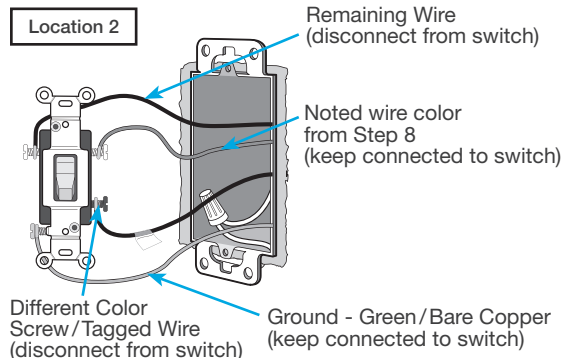
10 Attach the wallplate



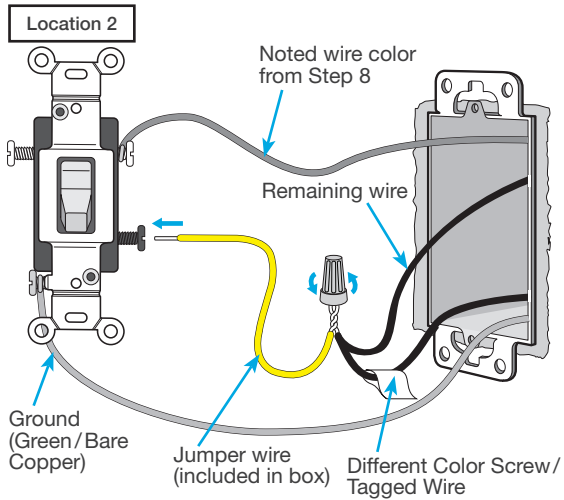
11 Remove existing toggle switch from wall at Location 2



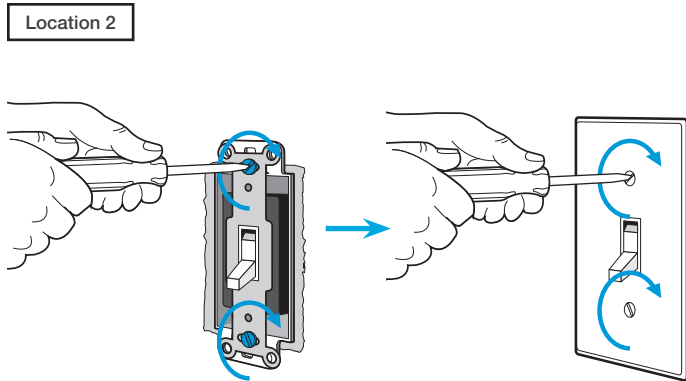
12a Modify wiring for existing toggle switch



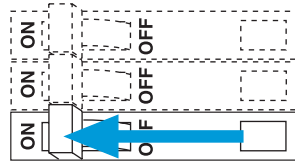
12b Modify wiring for existing toggle switch



13 Remount existing switch



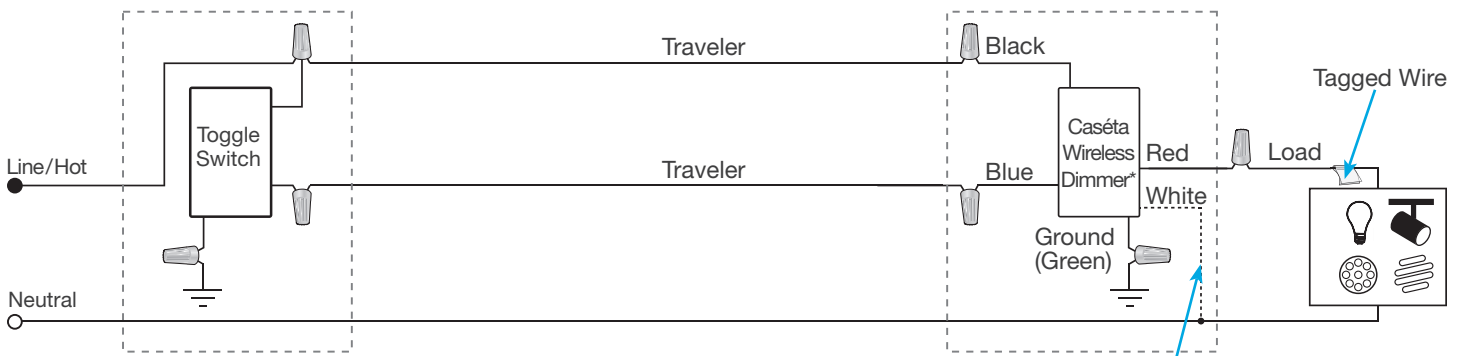
14 Turn power on at circuit breaker



Important note: Pico remote control (optional)

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

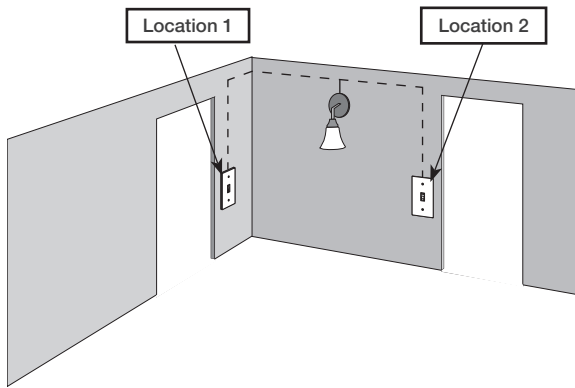
Schematic Diagram



* 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

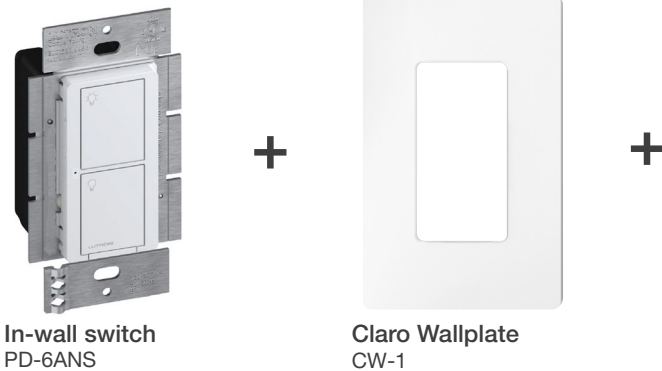


Two switches control the lights (3-way installation)

Important note:

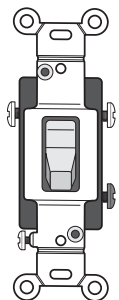
- If one switch controls the lights (single-pole installation) See quick-start guide that came with your switch
- If three or more switches control the lights (multi-location installation) See page 50 for details

2 What you need for a 3-way installation



In-wall switch
PD-6ANS

Claro Wallplate
CW-1

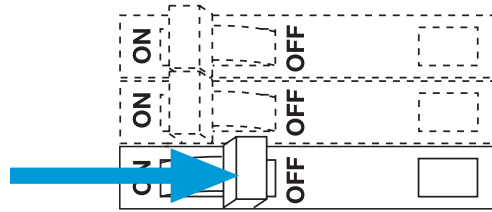


Existing mechanical
toggle switch

3 Choose a location for your Caséta Wireless switch

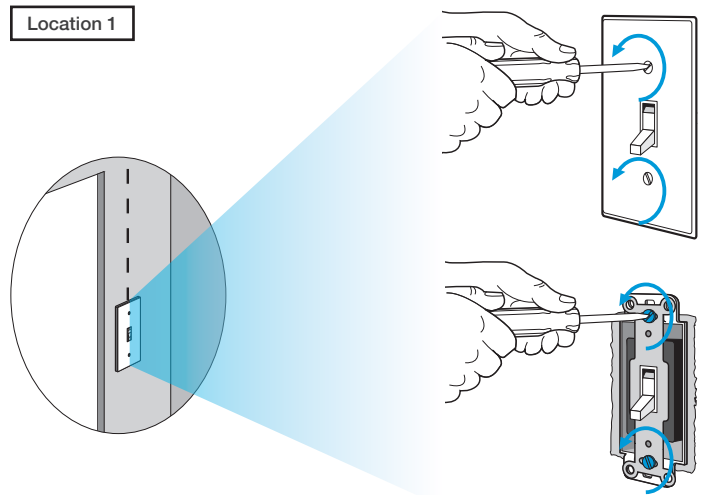
Choose which location you want the Caséta Wireless dimmer installed in. This will be Location 1.

4 Turn power off at circuit breaker

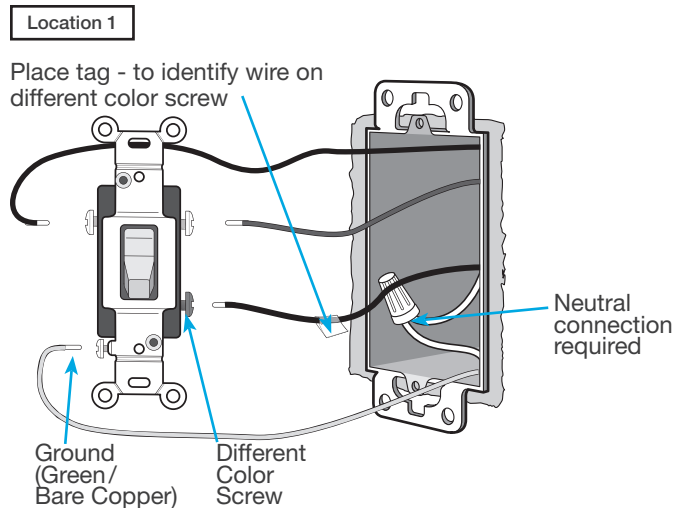


WARNING! Shock Hazard. May result in serious injury or death. Turn off power at circuit breaker before installing the unit.

5 Remove existing switch from wall

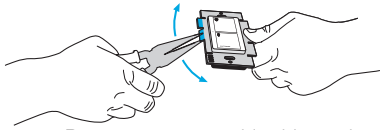


6 Tag and disconnect wires from the existing switch

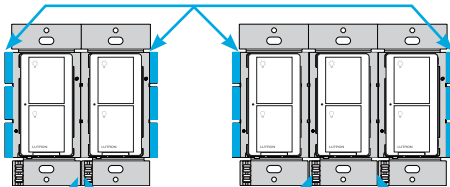


7 Remove side sections (if necessary)

When installing more than one Caséta Wireless 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.

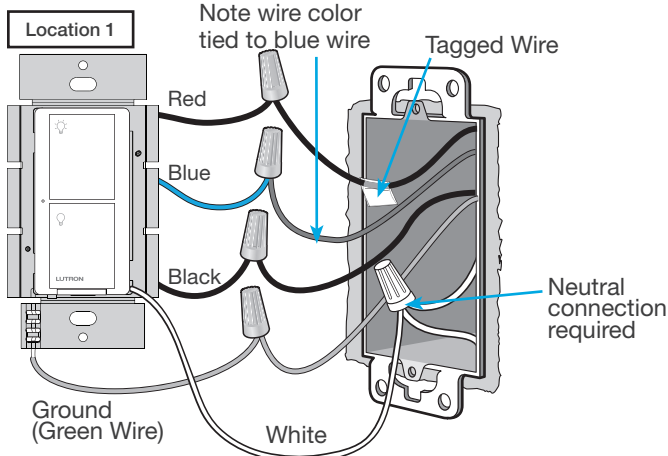
	A	B B	B C B
PD-6ANS (120 V~)¹	A	B	C
LED	6 A	6 A	5 A
Halogen / incandescent	720 W	720 W	600 W
Electronic Low-Voltage	720 VA	720 VA	600 VA
Magnetic Low-Voltage ²	720 VA	720 VA	600 VA
Fluorescent ³	6 A	6 A	5 A
General Purpose Fan	3.6 A	3.6 A	3.6 A

¹ Neutral required.

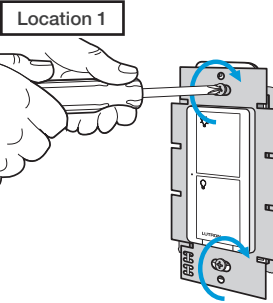
² The maximum lamp wattage is determined by the efficiency of the transformer, with 70% – 85% as typical. For actual transformer efficiency, contact either the fixture or transformer manufacturer. The total VA rating of the transformer(s) shall not exceed the VA rating of the in-wall switch.

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

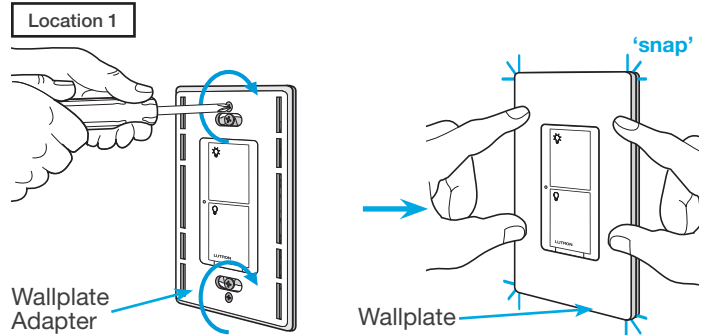
8 Connect the new Caséta Wireless neutral switch



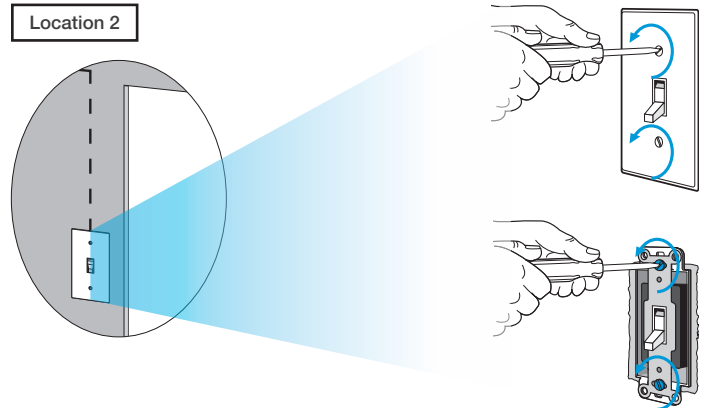
9 Mount the Caséta Wireless switch



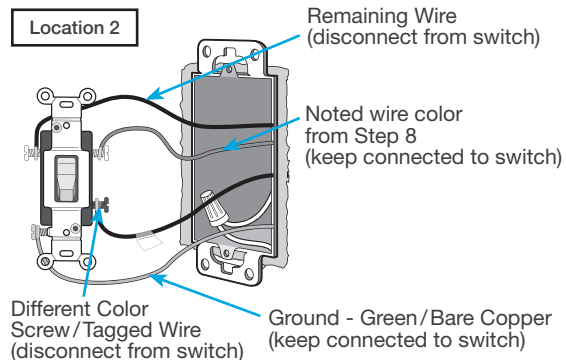
10 Attach the wallplate



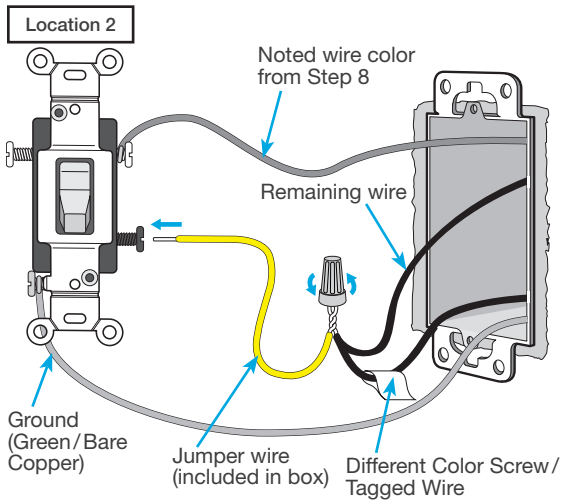
11 Remove existing toggle switch from wall at Location 2



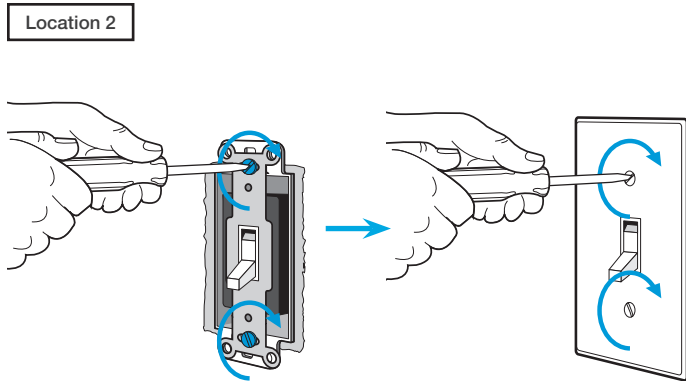
12a Modify wiring for existing toggle switch



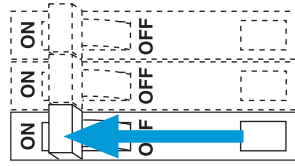
12b Modify wiring for existing toggle switch



13 Remount existing switch



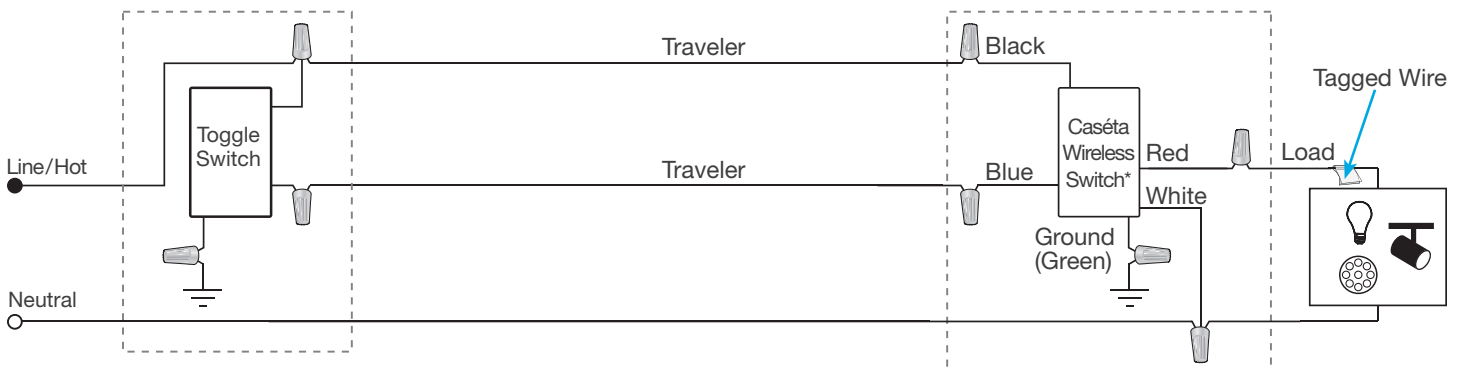
14 Turn power on at circuit breaker



Important note: Pico remote control (optional)

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

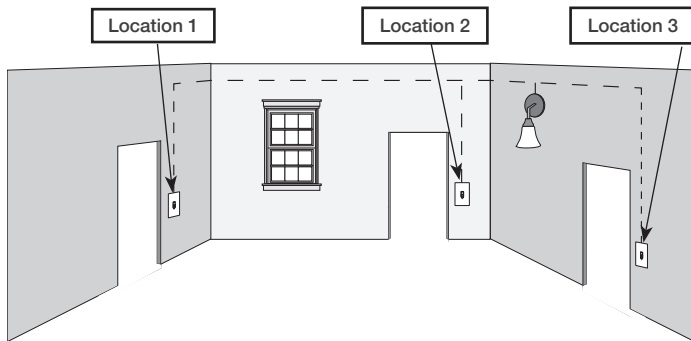
Schematic Diagram



* 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



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

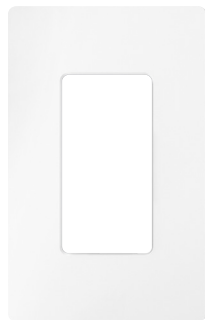
Important note:

- 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 2 for details

2 What you need for a multi-location installation



In-wall dimmer PD-6WCL or P-PKG1W



Claro Wallplate CW-1

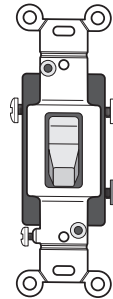


Two Pico remote controls with wall-mounting kits PJ2-WALL

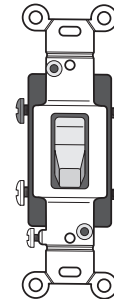


3 Choose a location for your Caséta Wireless dimmer

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.

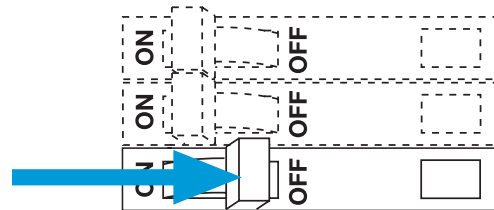


3-Way Switch Locations 1 and 3



4-Way Switch Location 2

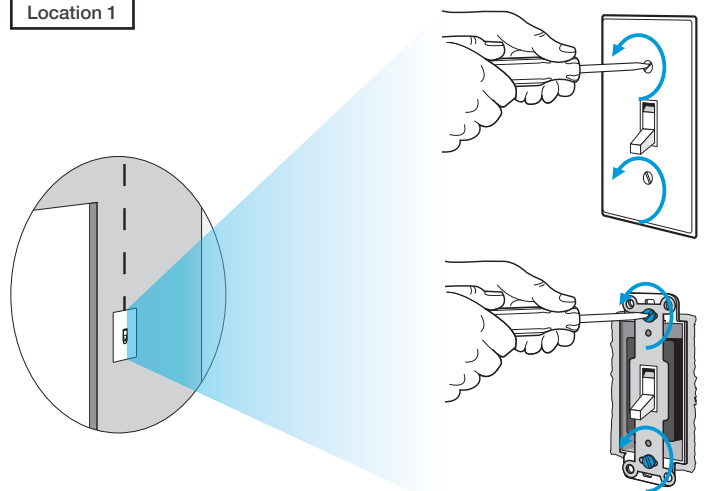
4 Turn power off at circuit breaker



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

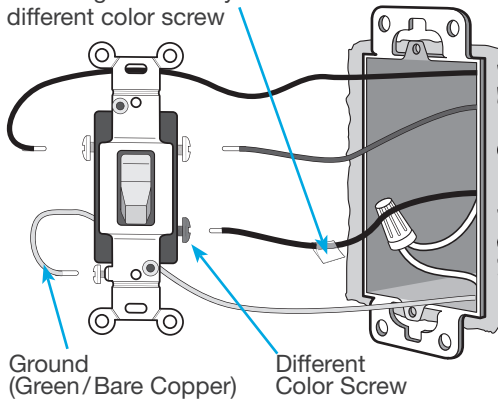
Location 1



6 Tag and disconnect wires from the existing switch

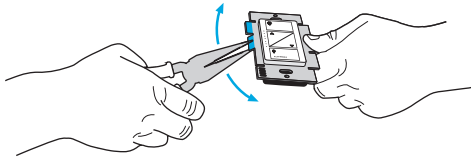
Location 1

Place tag - to identify wire on different color screw

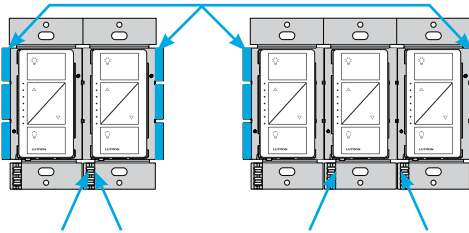


7 Remove side sections (if necessary)

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.

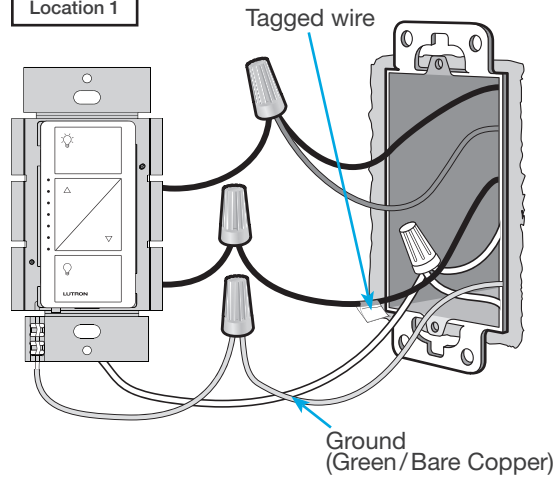
Important note:

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

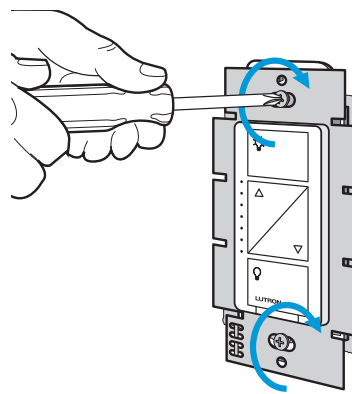
8 Connect the new Caséta Wireless dimmer

Location 1



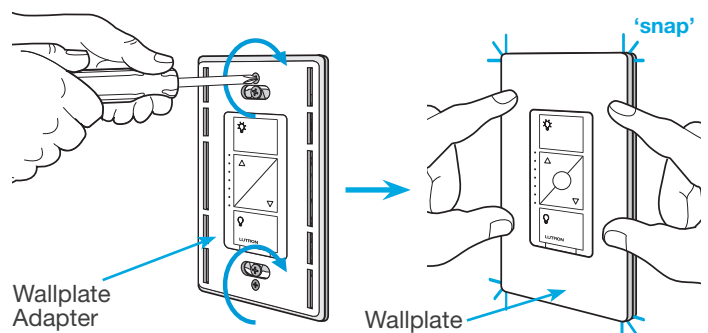
9 Mount the Caséta Wireless dimmer

Location 1



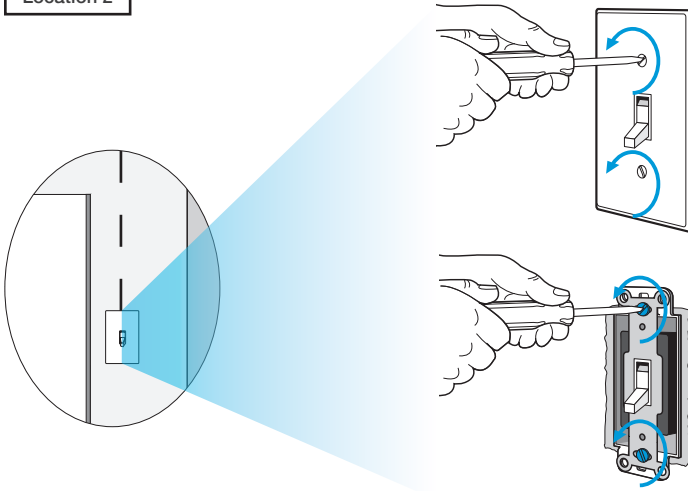
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

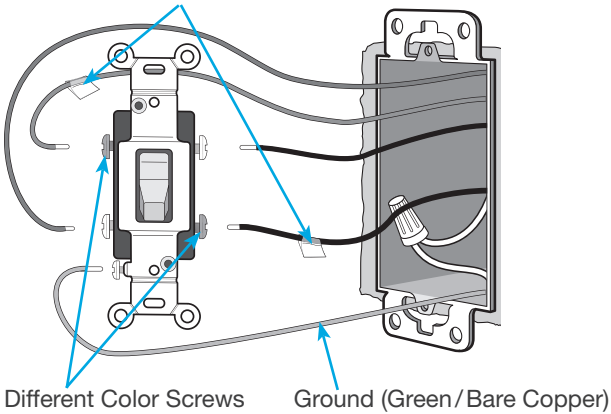
Location 2



12 Tag and disconnect wires from the existing switch

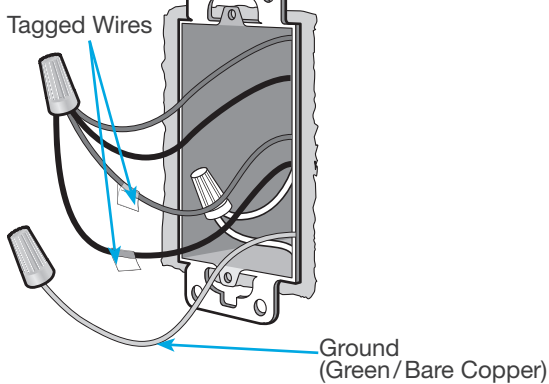
Location 2

Place tags - to identify wires on different color screws



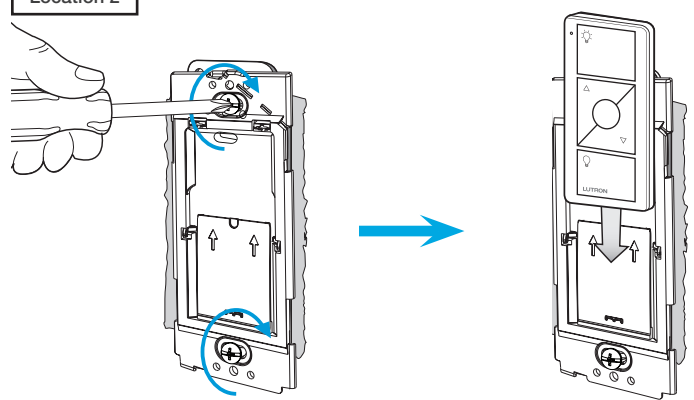
13 Connect the wires

Location 2



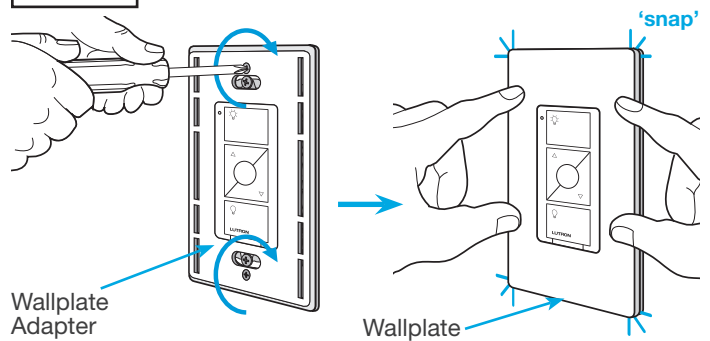
14 Attach the wallplate bracket and Pico remote control

Location 2



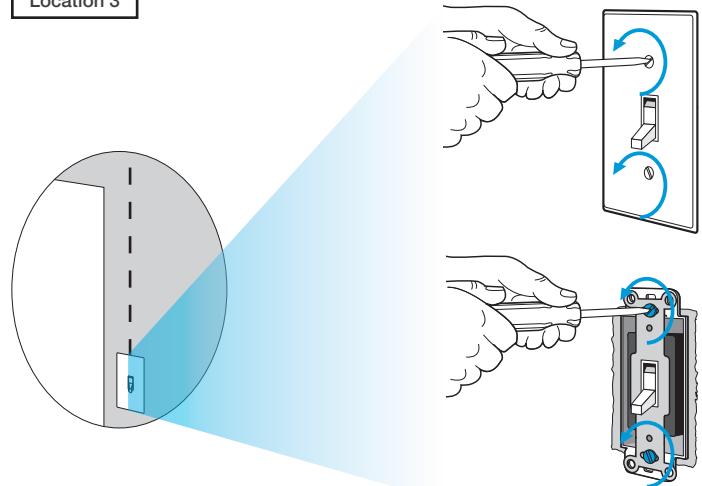
15 Attach the wallplate

Location 2

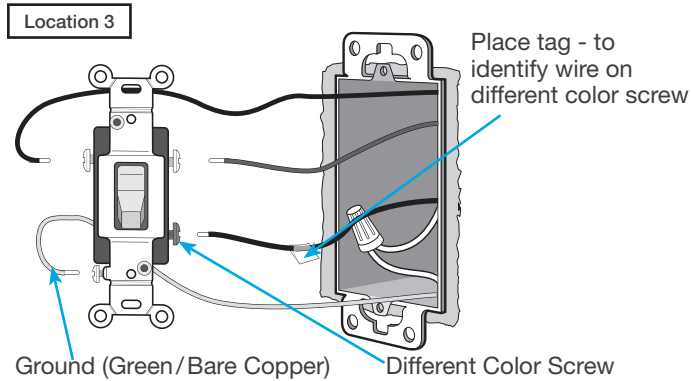


16 Remove existing switch from wall at Location 3

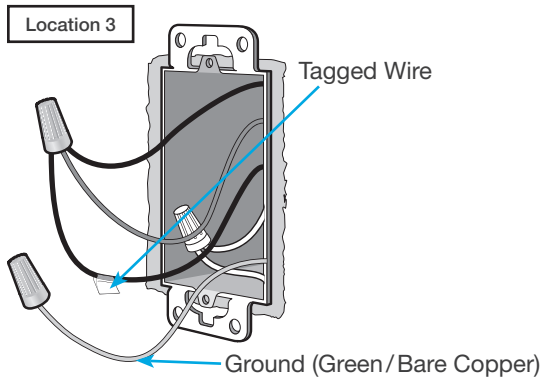
Location 3



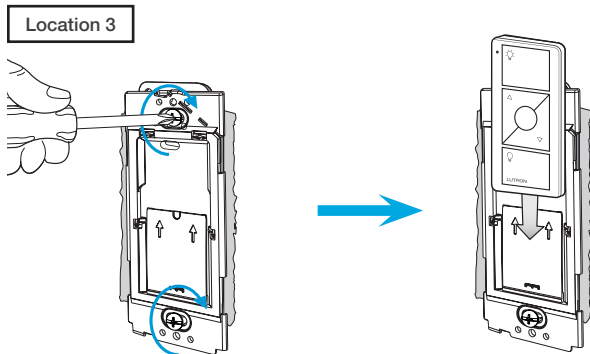
17 Tag and disconnect wires from the existing switch



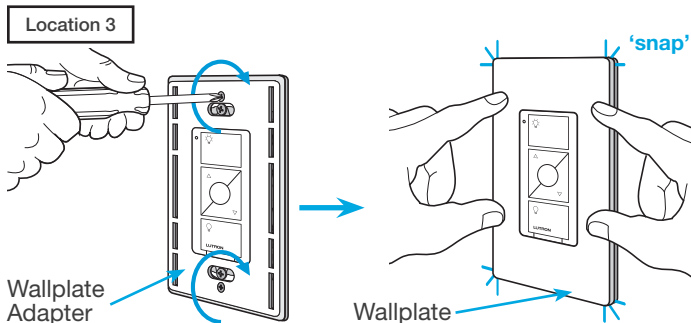
18 Connect the wires



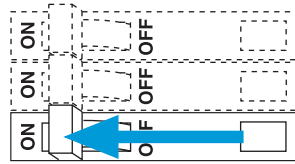
19 Attach the wallplate bracket and Pico remote control



20 Attach the wallplate

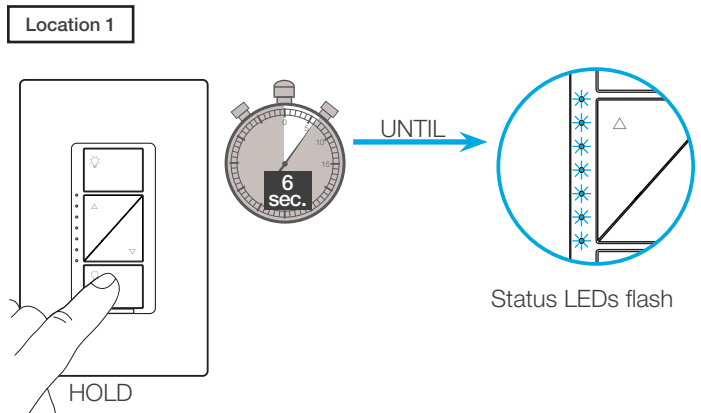


21 Turn power on at circuit breaker

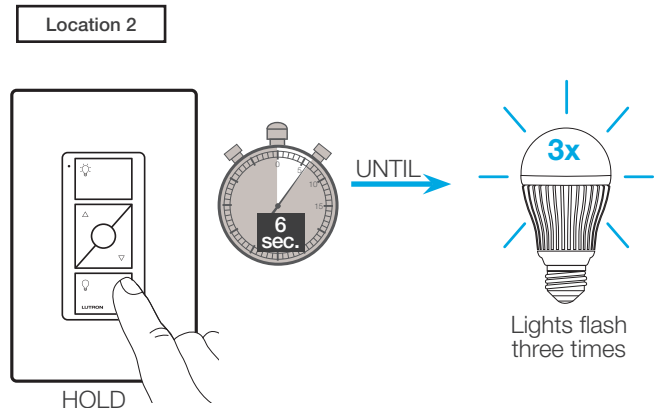


Pairing the dimmer and Pico remote controls

22 Press and hold "Off" button on dimmer



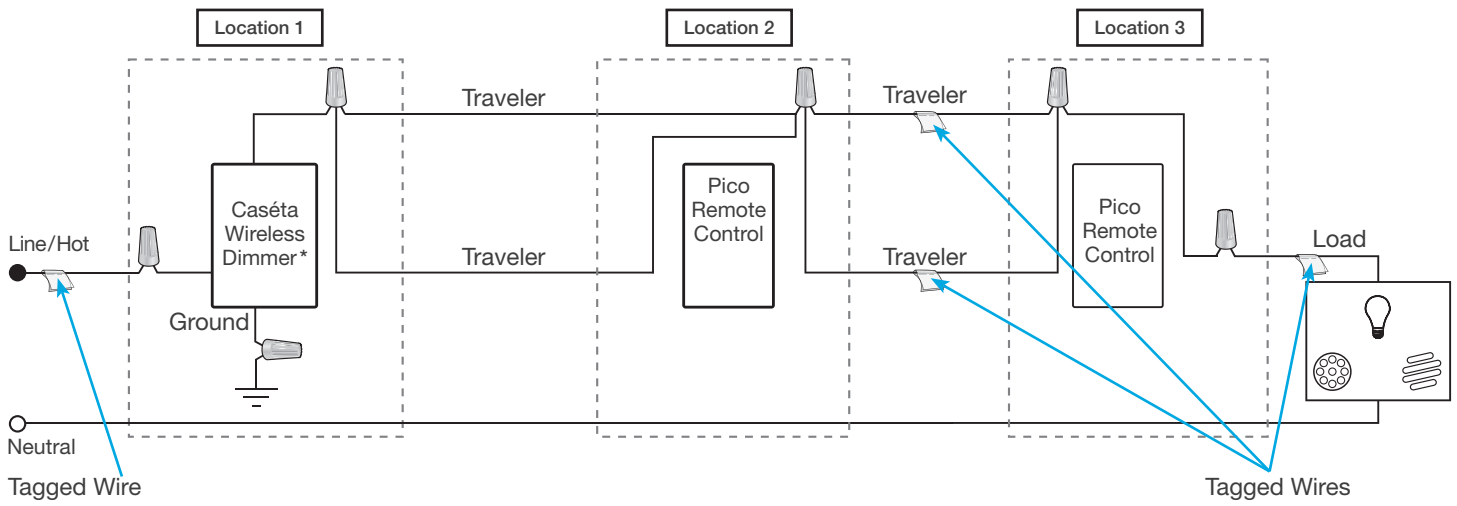
23 Press and hold "Off" button on remote control



24 Repeat for remote control at Location 3

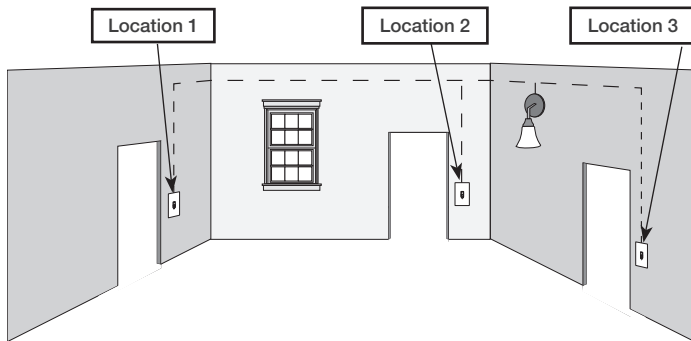
Repeat steps 22 and 23 to pair remote control at Location 3.

Schematic Diagram



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

1 Identify existing wiring

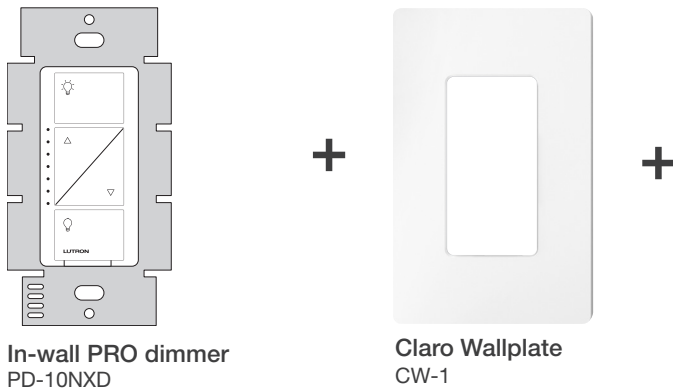


Three or more switches control the lights (multi-location installation)

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 10 or page 29 for details

2 What you need for a multi-location installation



In-wall PRO dimmer PD-10NXD

Claro Wallplate CW-1

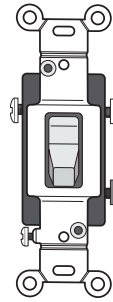


Two Pico remote controls with wall-mounting kits PJ2-WALL

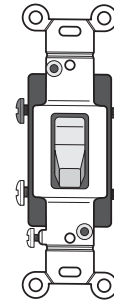


3 Choose a location for your Caséta Wireless dimmer

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.

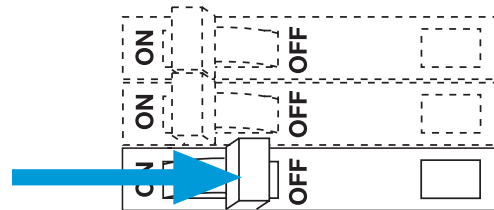


3-Way Switch
Locations 1 and 3



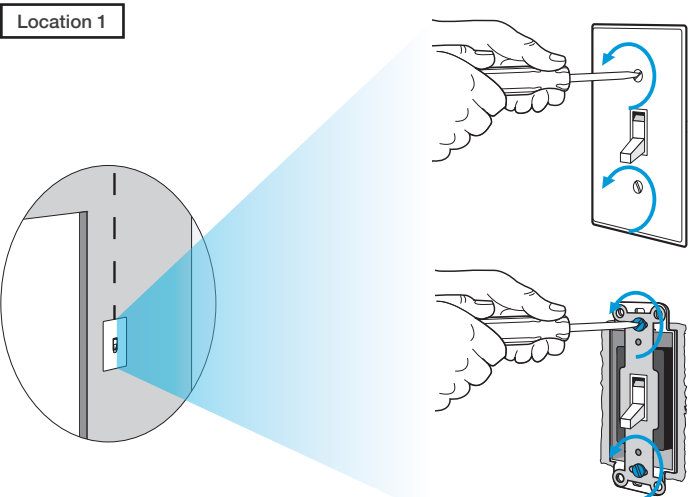
4-Way Switch
Location 2

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.

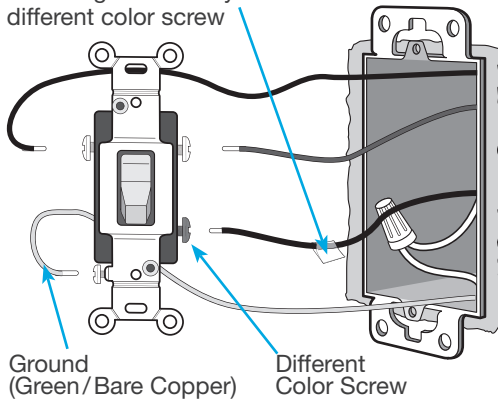
5 Remove existing switch from wall at Location 1



6 Tag and disconnect wires from the existing switch

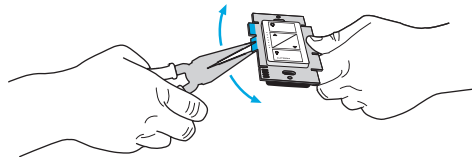
Location 1

Place tag - to identify wire on different color screw

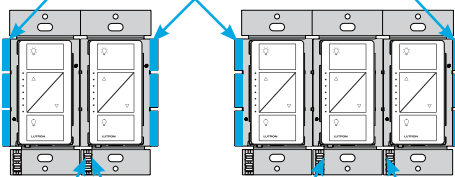


7 Remove side sections (if necessary)

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.

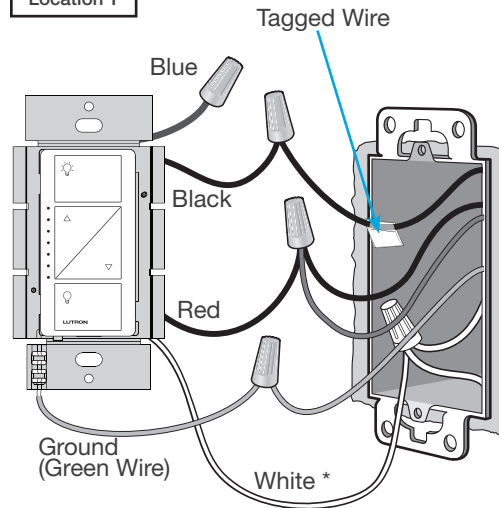
Important note:

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

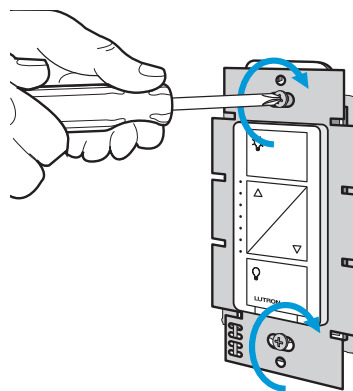
Location 1



* 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.*

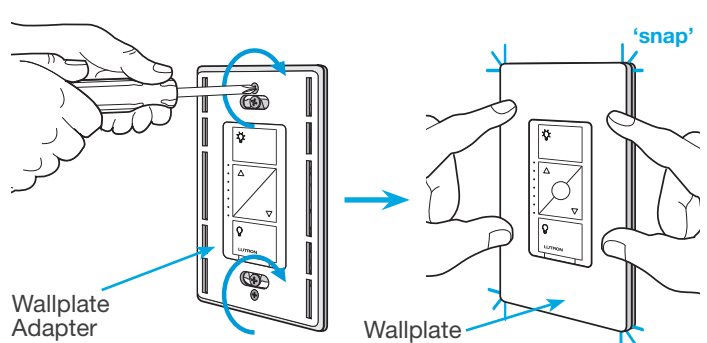
9 Mount the Caséta Wireless dimmer

Location 1



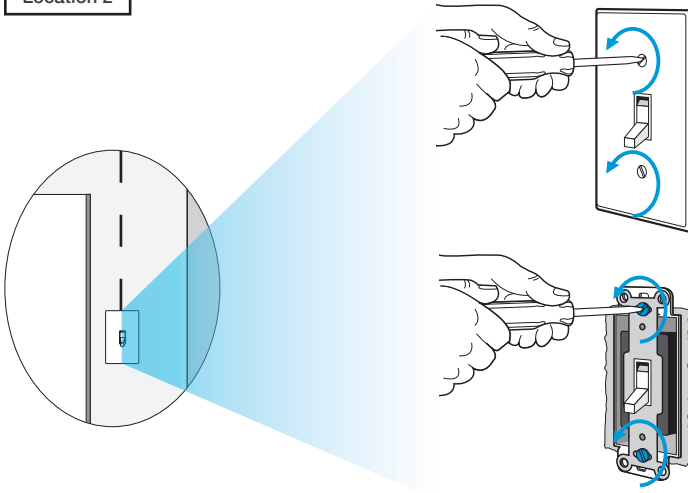
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

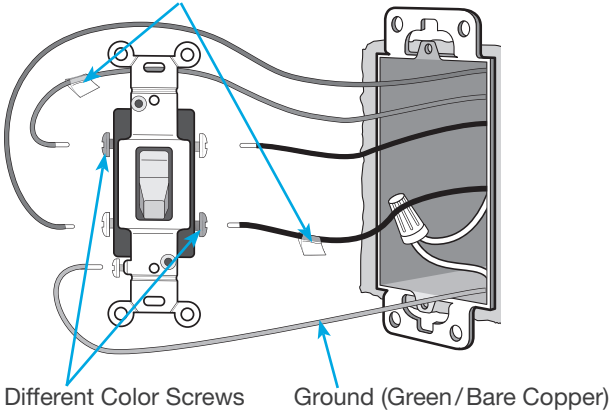
Location 2



12 Tag and disconnect wires from the existing switch

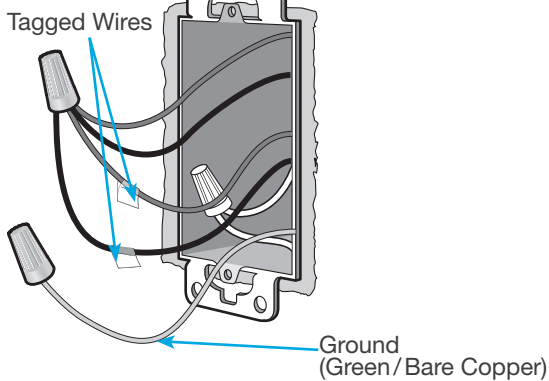
Location 2

Place tags - to identify wires on different color screws



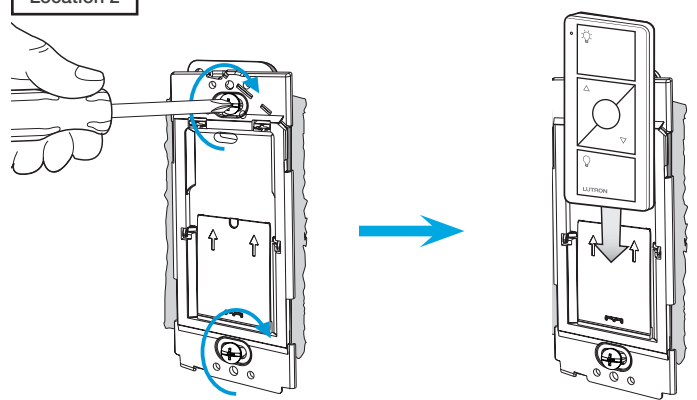
13 Connect the wires

Location 2



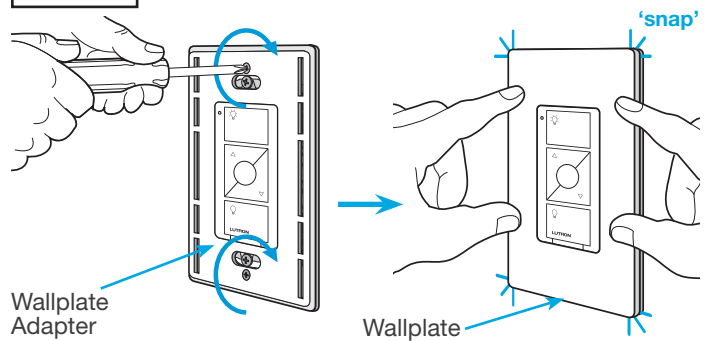
14 Attach the wallplate bracket and Pico remote control

Location 2



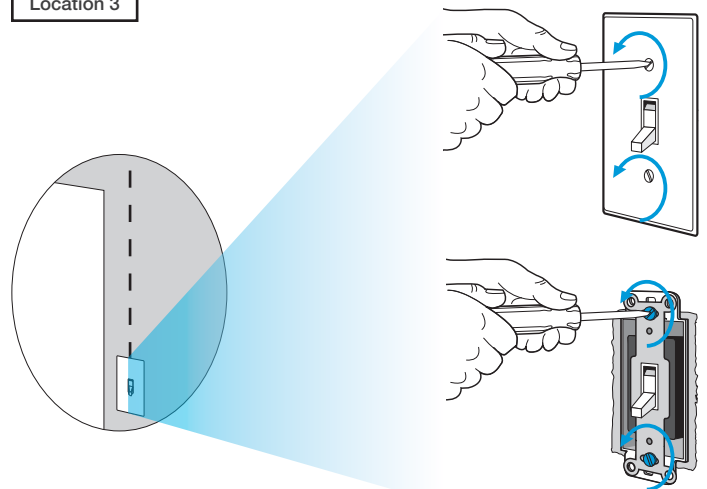
15 Attach the wallplate

Location 2



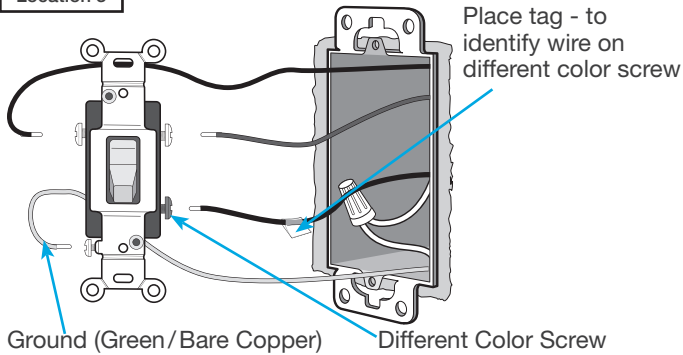
16 Remove existing switch from wall at Location 3

Location 3



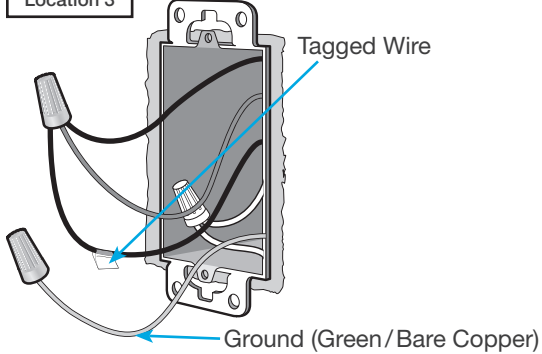
17 Tag and disconnect wires from the existing switch

Location 3



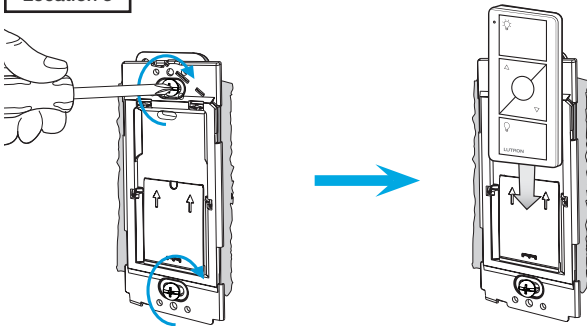
18 Connect the wires

Location 3



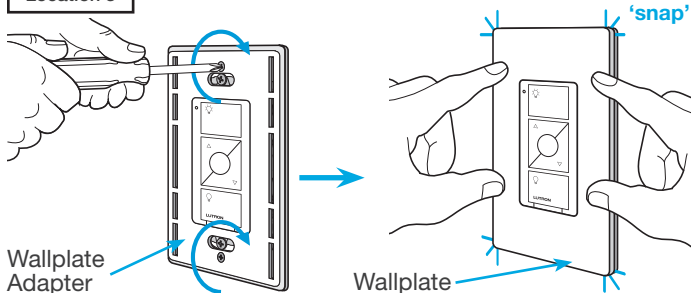
19 Attach the wallplate bracket and Pico remote control

Location 3

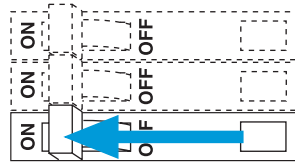


20 Attach the wallplate

Location 3



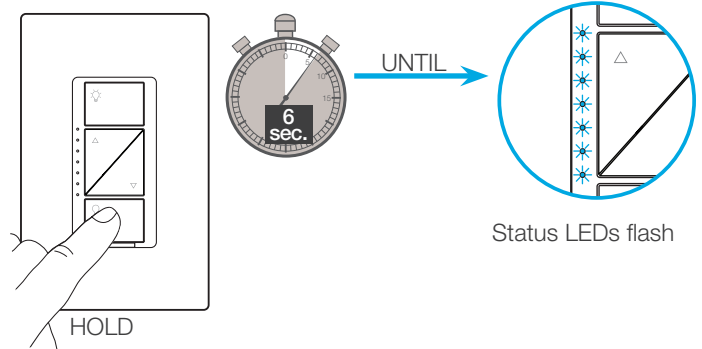
21 Turn power on at circuit breaker



Pairing the dimmer and Pico remote controls

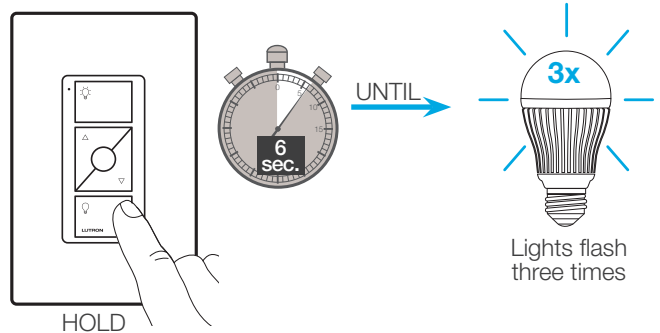
22 Press and hold "Off" button on dimmer

Location 1



23 Press and hold "Off" button on remote control

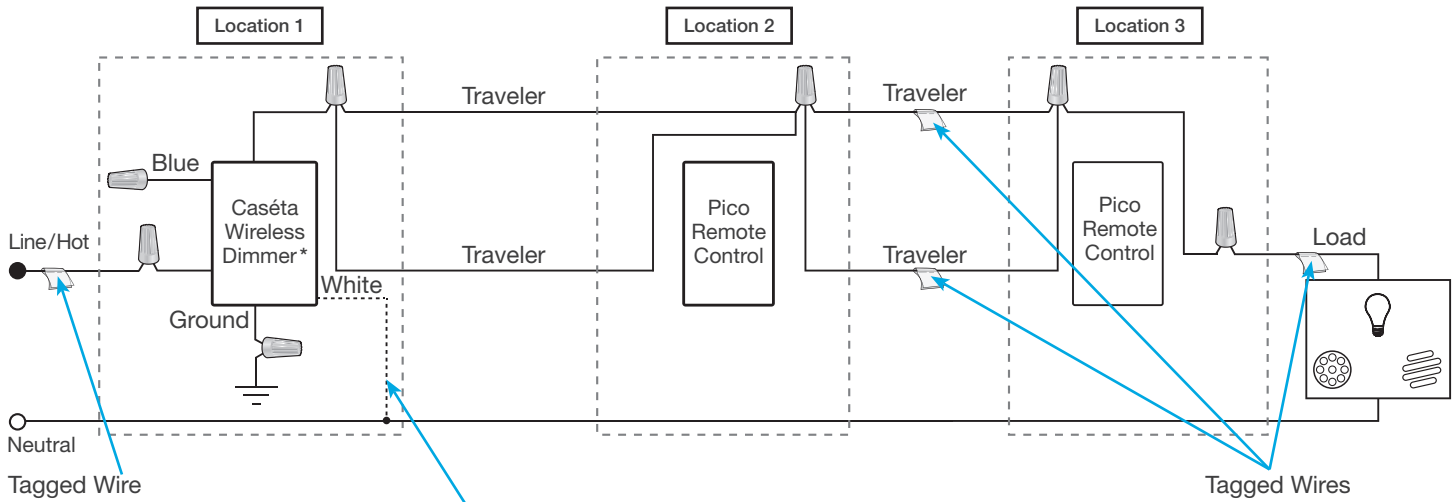
Location 2



24 Repeat for remote control at Location 3

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

Schematic Diagram

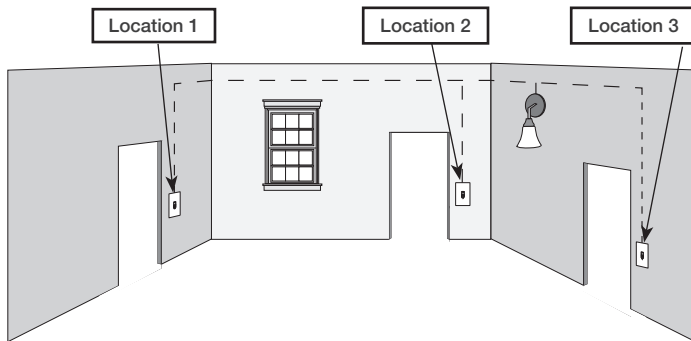


* It is recommended to install dimmer in either Location 1 or 3.

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 6 or page 26 for details

2 What you need for a multi-location installation



In-wall switch
PD-5WS-DV



Two Pico
remote controls
PJ2-2B



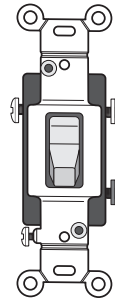
Two Wallplate Brackets
PICO-WBX-ADAPT



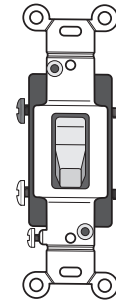
Three Claro Wallplates
CW-1

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.

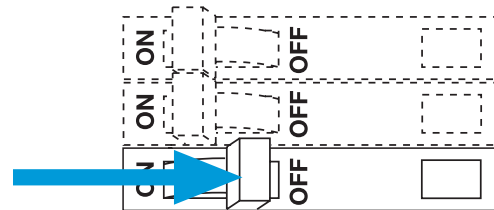


3-Way Switch
Locations 1 and 3



4-Way Switch
Location 2

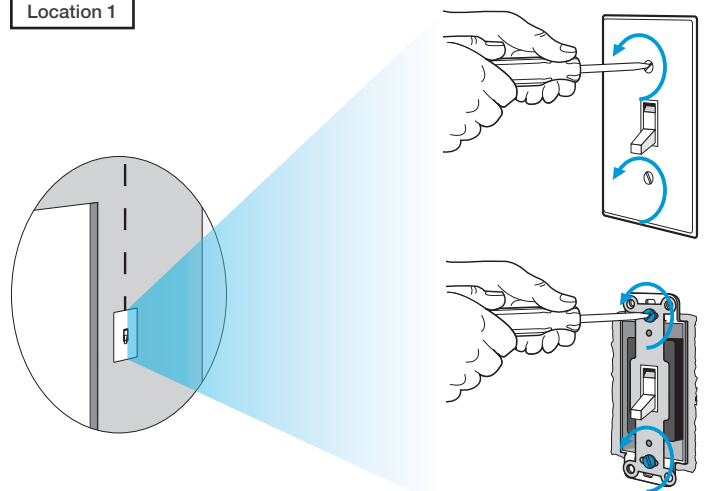
4 Turn power off at circuit breaker



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

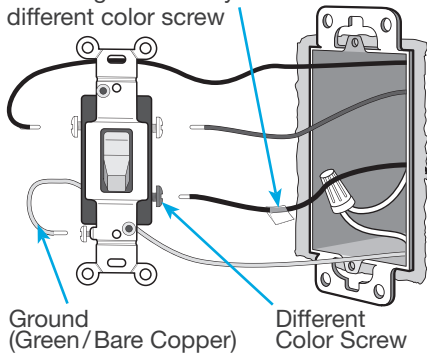
Location 1



6 Tag and disconnect wires from the existing switch

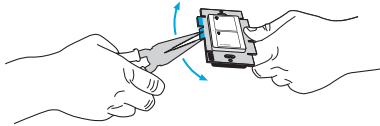
Location 1

Place tag - to identify wire on different color screw

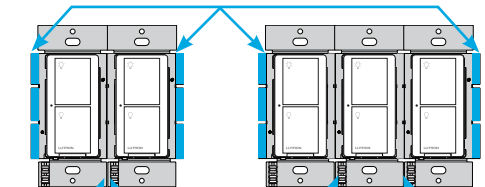


7 Remove side sections (if necessary)

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.

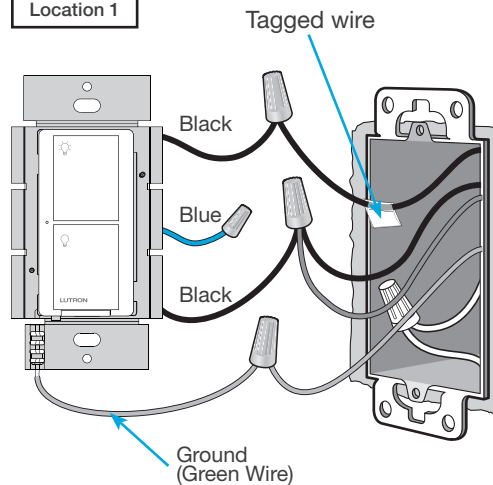
	A	B B	B C B
PD-5WS-DV (120 V~)	A	B	C
LED	5 A	4 A	3 A
Halogen/incandescent	600 W	450 W	350 W
Electronic Low-Voltage	600 W	450 W	350 W
Magnetic Low-Voltage ¹	600 VA/475 W	450 VA/350 W	350 VA/275 W
Fluorescent ²	5 A	4 A	3 A
General Purpose Fan	3 A	3 A	3 A
PD-5WS-DV (277 V~)	A	B	C
LED	5 A	4 A	3 A
Halogen/incandescent	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 in-wall switch.

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

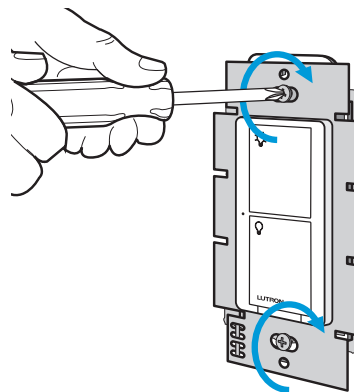
8 Connect the new Caséta Wireless switch

Location 1



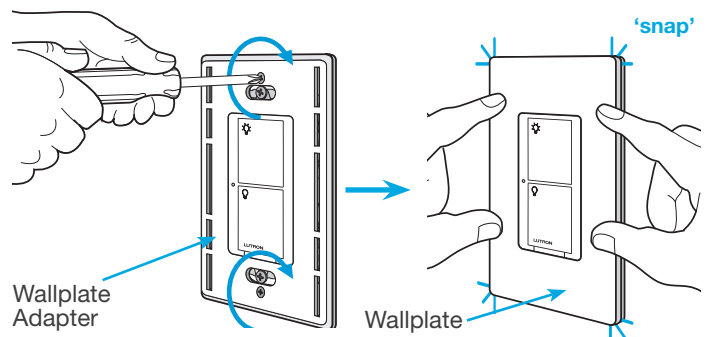
9 Mount the Caséta Wireless switch

Location 1

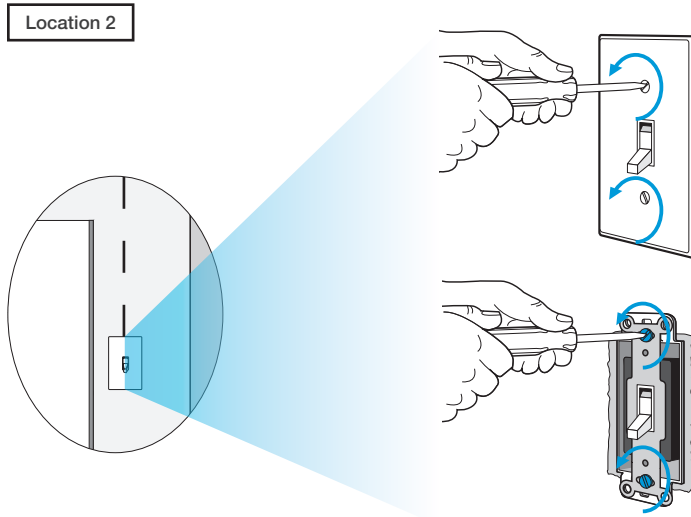


10 Attach the wallplate

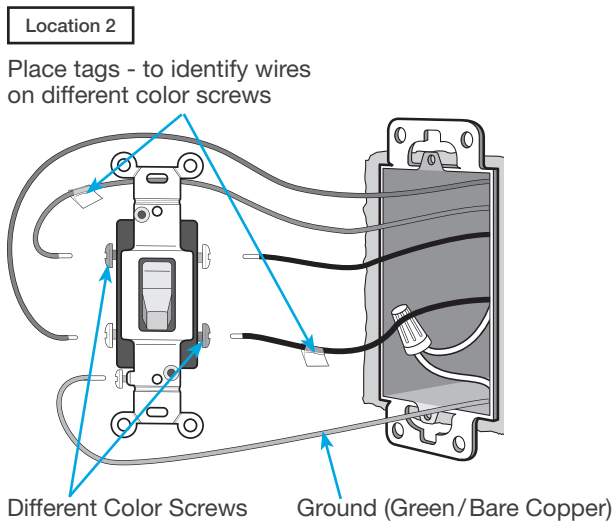
Location 1



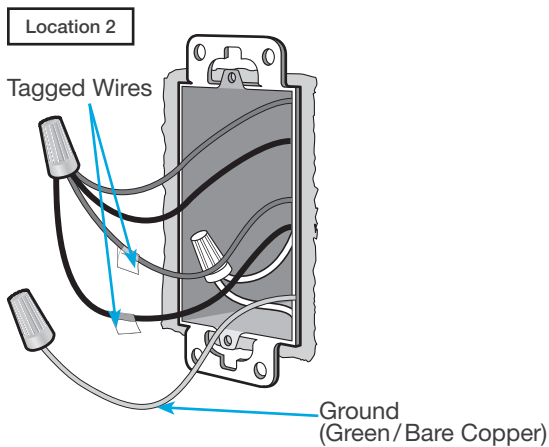
11 Remove existing switch from wall at Location 2



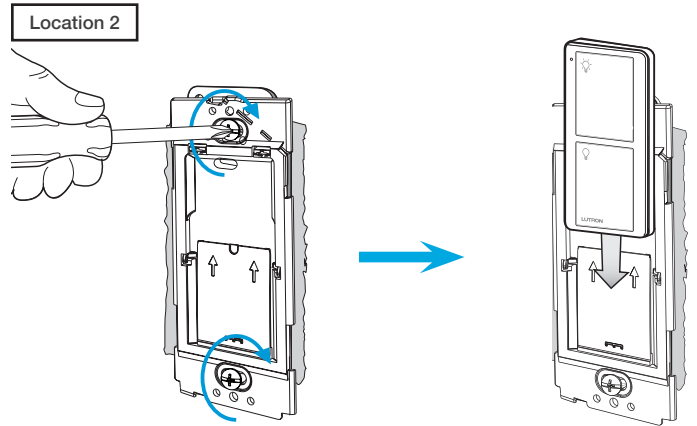
12 Tag and disconnect wires from the existing switch



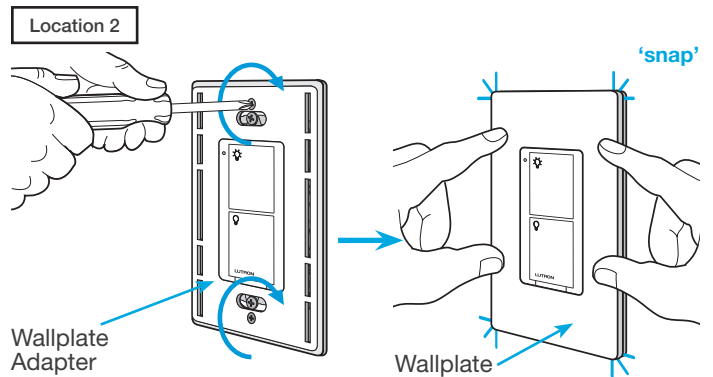
13 Connect the wires



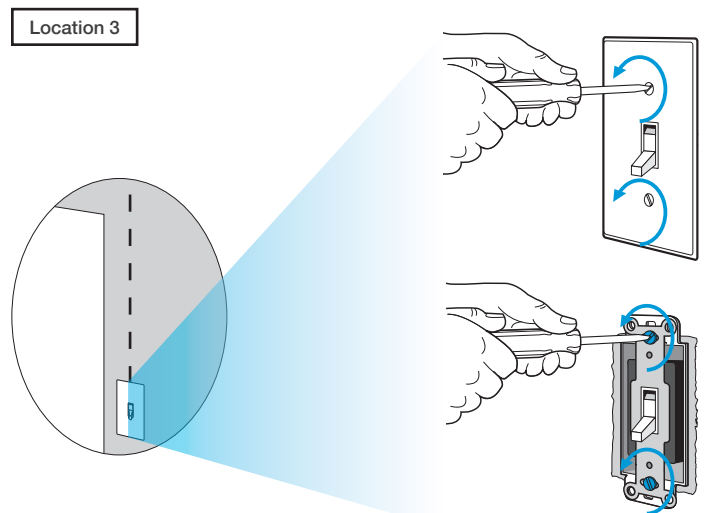
14 Attach the wallplate bracket and Pico remote control



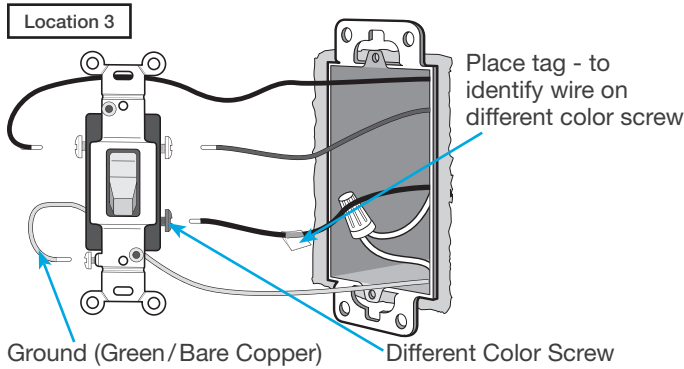
15 Attach the wallplate



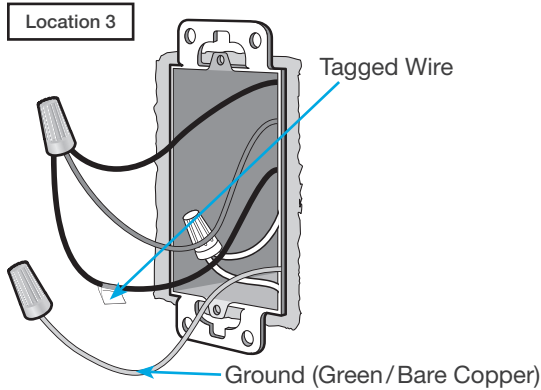
16 Remove existing switch from wall at Location 3



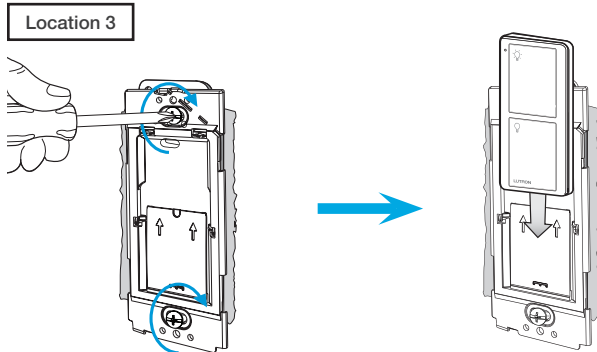
17 Tag and disconnect wires from the existing switch



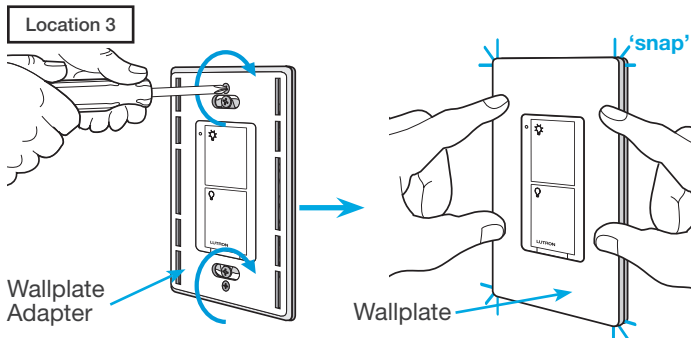
18 Connect the wires



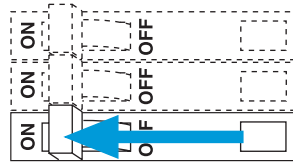
19 Attach the wallplate bracket and Pico remote control



20 Attach the wallplate

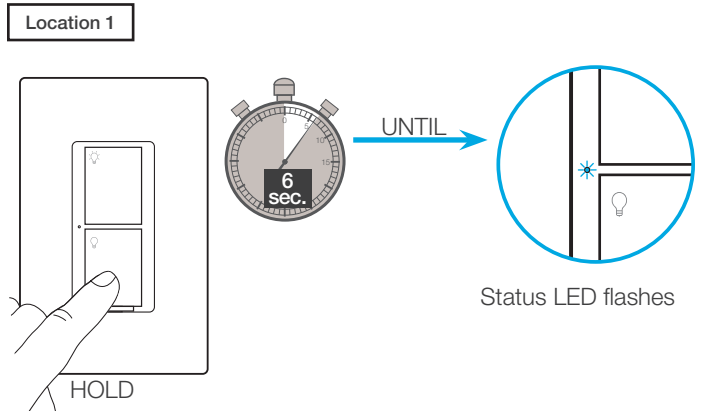


21 Turn power on at circuit breaker

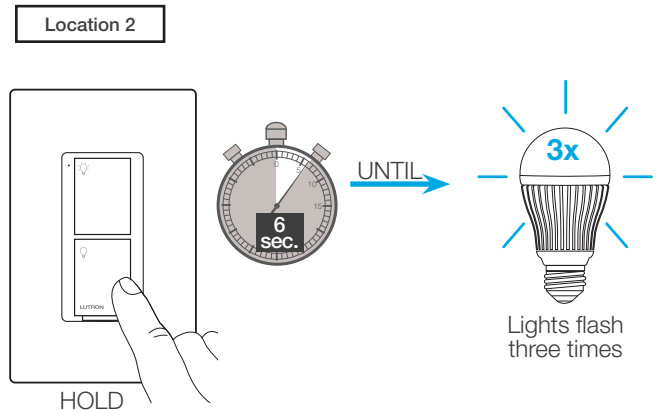


Pairing the switch and Pico remote controls

22 Press and hold "Off" button on switch



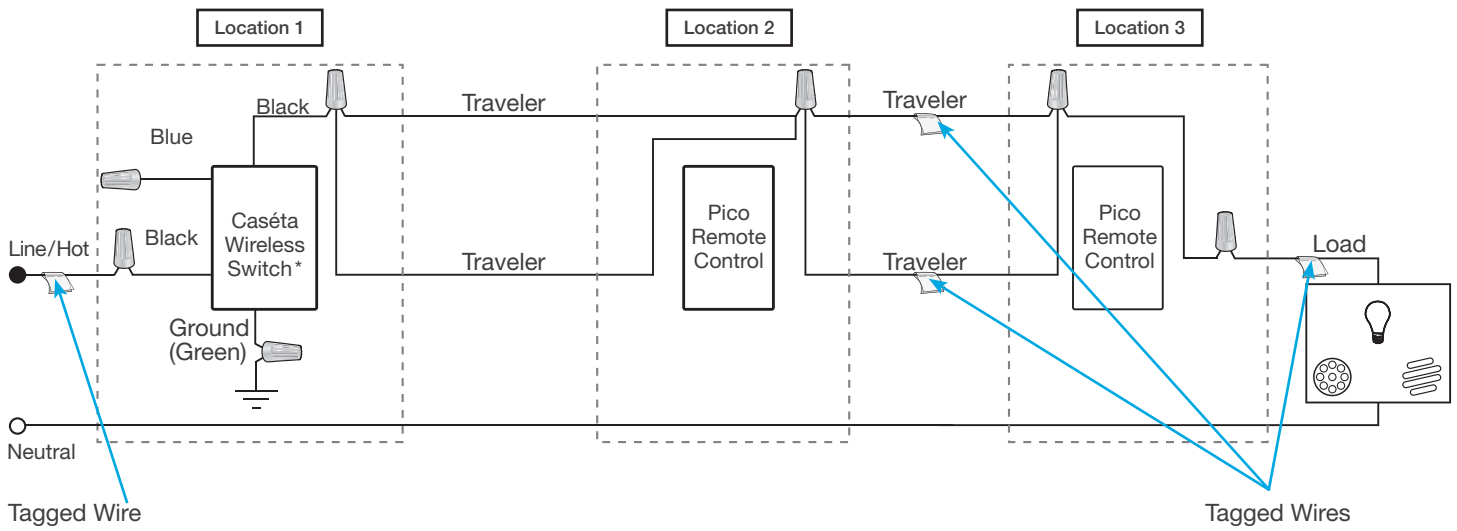
23 Press and hold "Off" button on remote control



24 Repeat for remote control at Location 3

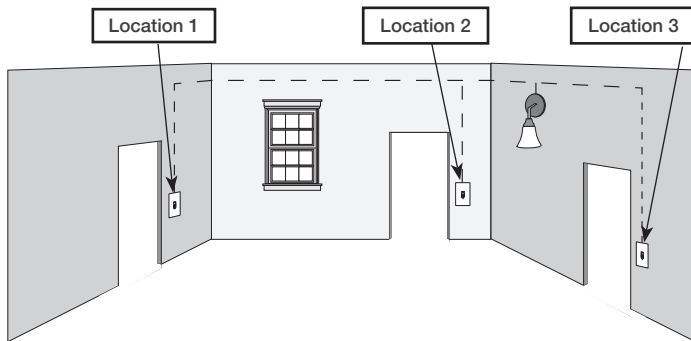
Repeat steps 22 and 23 to pair remote control at Location 3.

Schematic Diagram



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

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 14 or page 32 for details

2 What you need for a multi-location installation



In-wall switch PD-6ANS

+



Two Pico remote controls PJ2-2B

+



Two Wallplate Brackets PICO-WBX-ADAPT

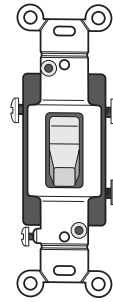
+



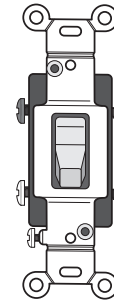
Three Claro Wallplates CW-1

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.

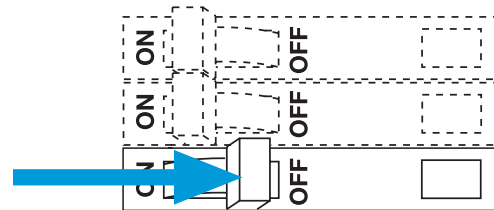


3-Way Switch
Locations 1 and 3



4-Way Switch
Location 2

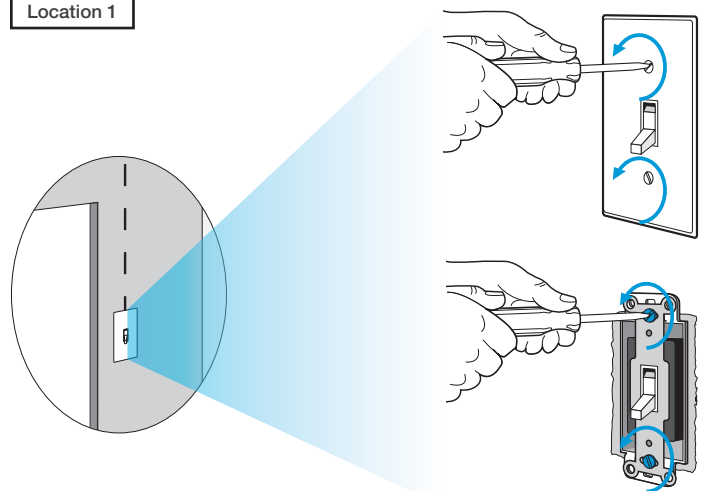
4 Turn power off at circuit breaker



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

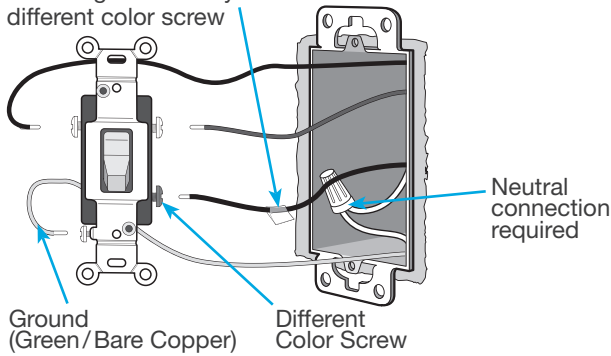
Location 1



6 Tag and disconnect wires from the existing switch

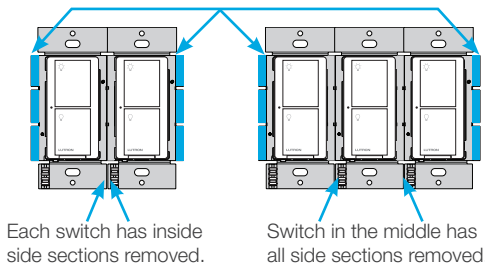
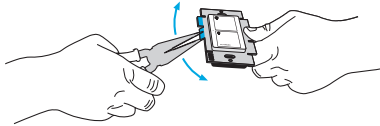
Location 1

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.



Important note:

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

			
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

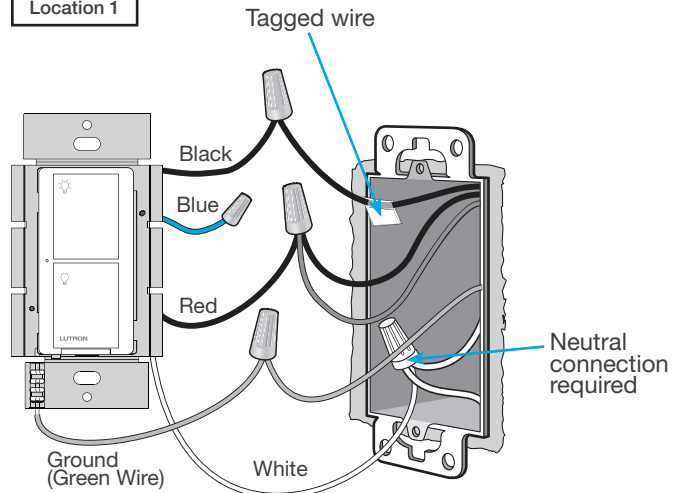
¹ Neutral required.

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 in-wall switch.

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

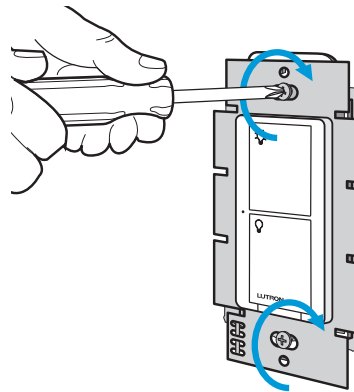
8 Connect the new Caséta Wireless neutral switch

Location 1



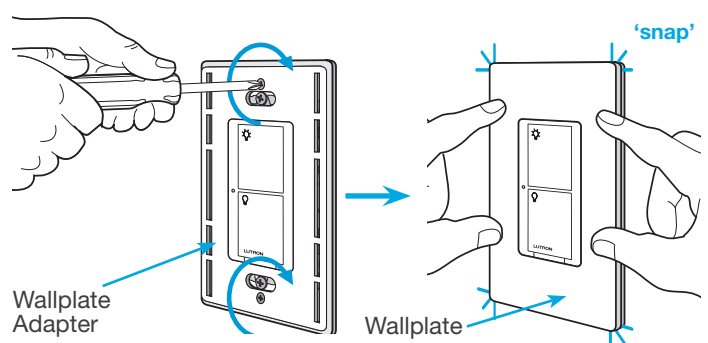
9 Mount the Caséta Wireless neutral switch

Location 1

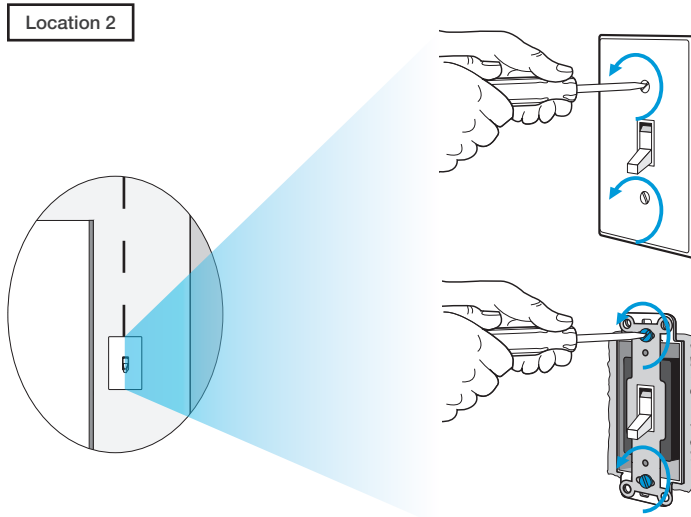


10 Attach the wallplate

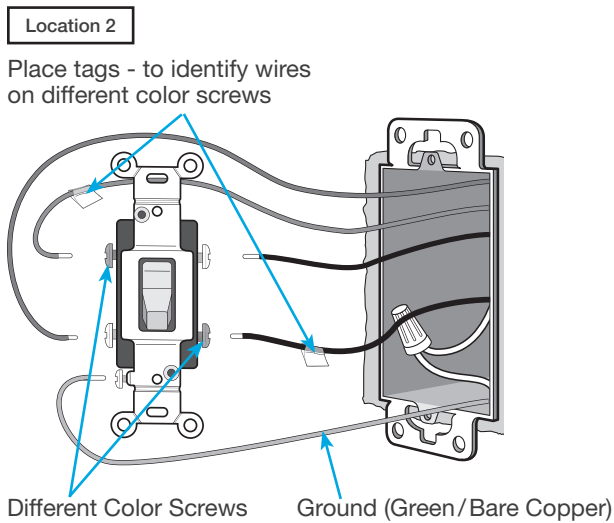
Location 1



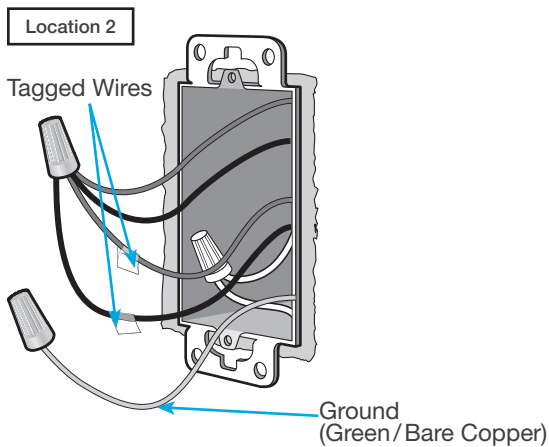
11 Remove existing switch from wall at Location 2



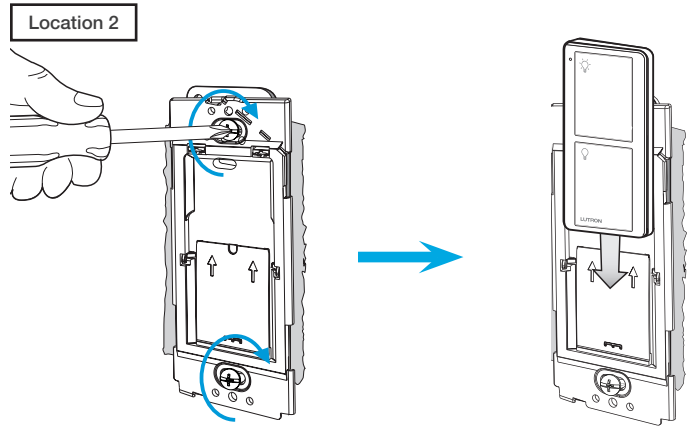
12 Tag and disconnect wires from the existing switch



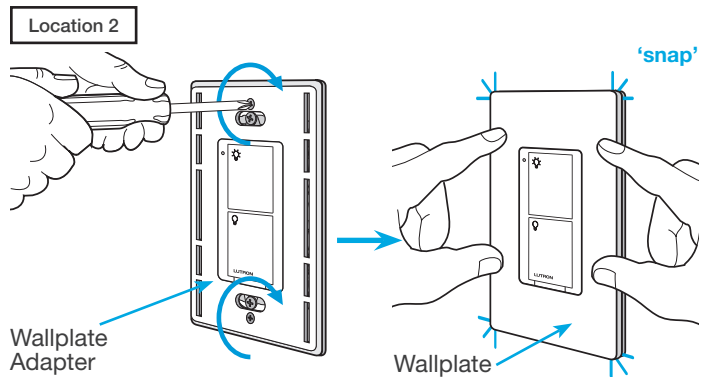
13 Connect the wires



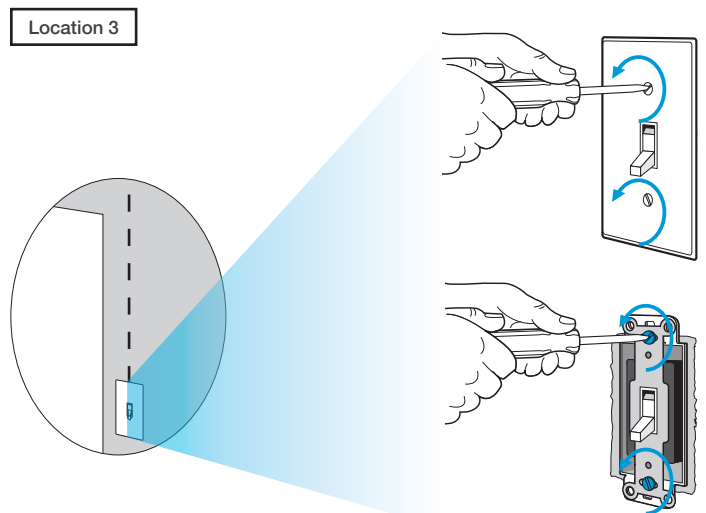
14 Attach the wallplate bracket and Pico remote control



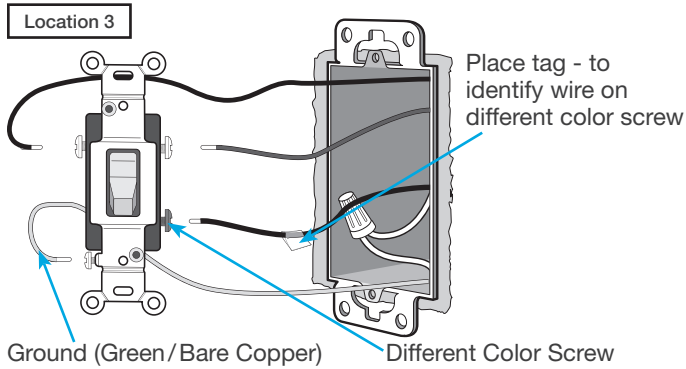
15 Attach the wallplate



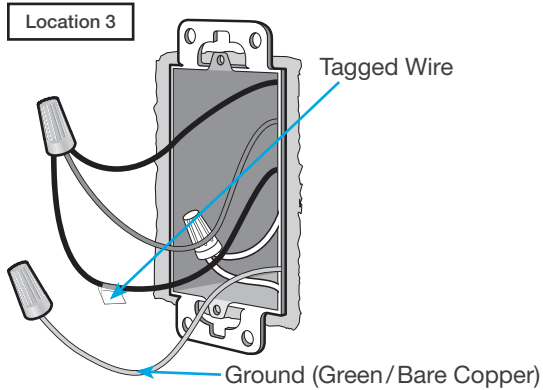
16 Remove existing switch from wall at Location 3



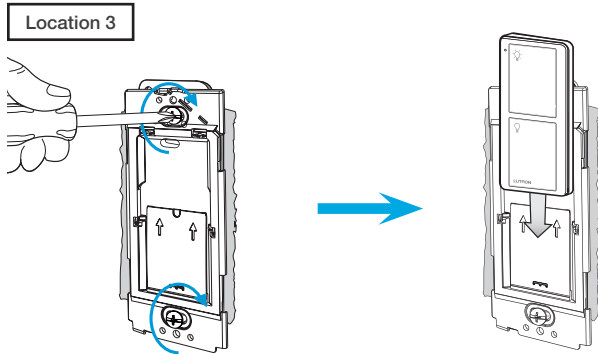
17 Tag and disconnect wires from the existing switch



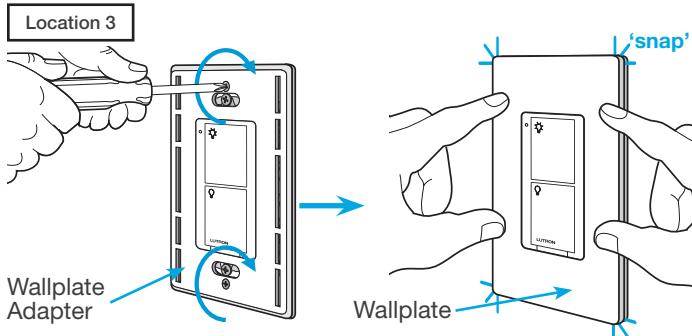
18 Connect the wires



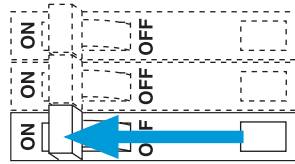
19 Attach the wallplate bracket and Pico remote control



20 Attach the wallplate

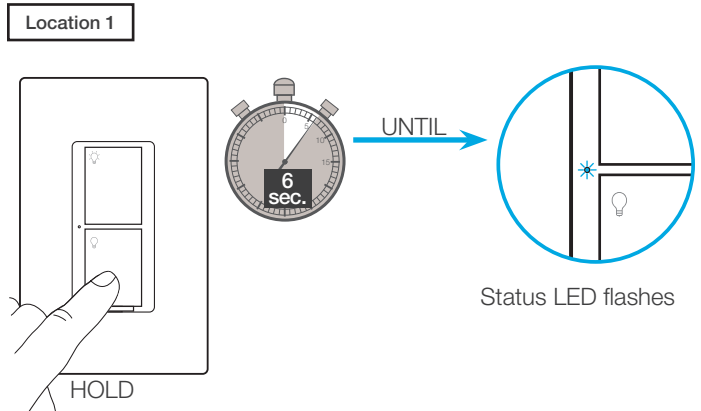


21 Turn power on at circuit breaker

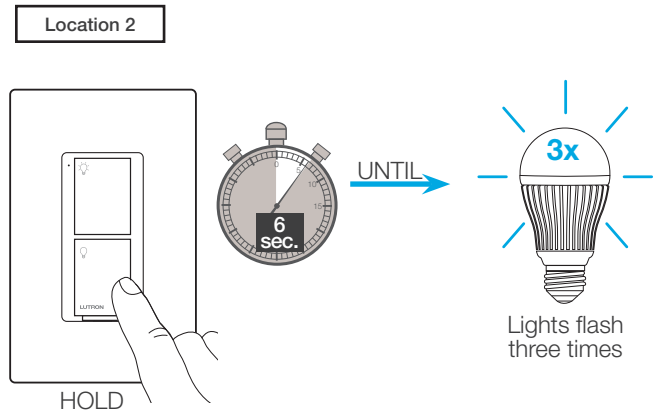


Pairing the switch and Pico remote controls

22 Press and hold "Off" button on switch



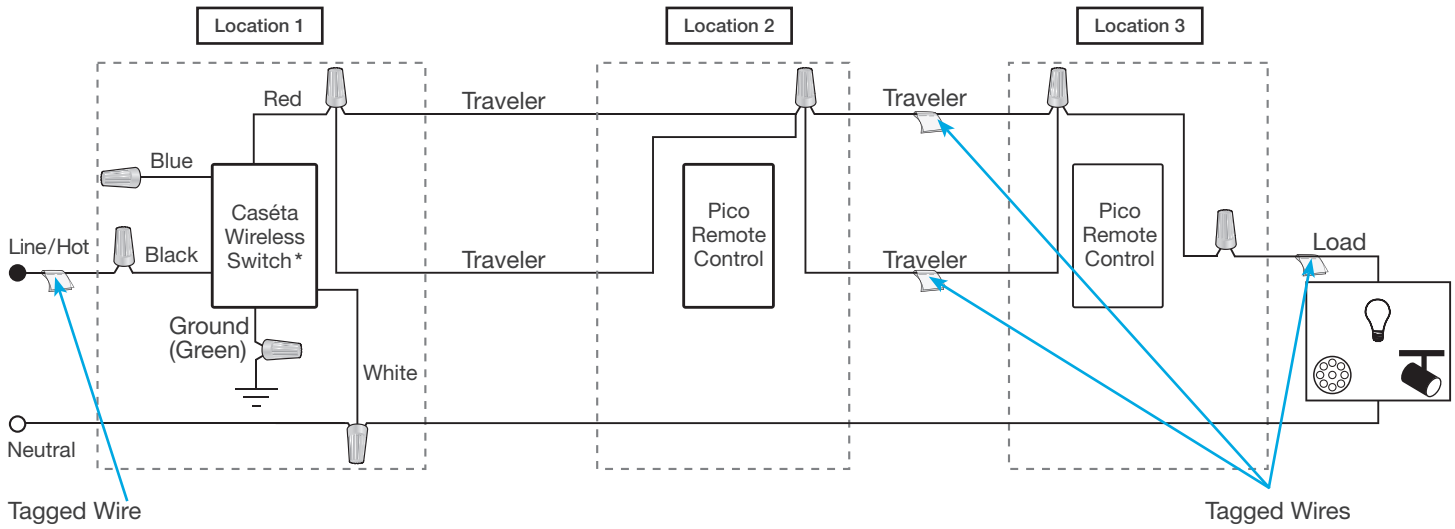
23 Press and hold "Off" button on remote control



24 Repeat for remote control at Location 3

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

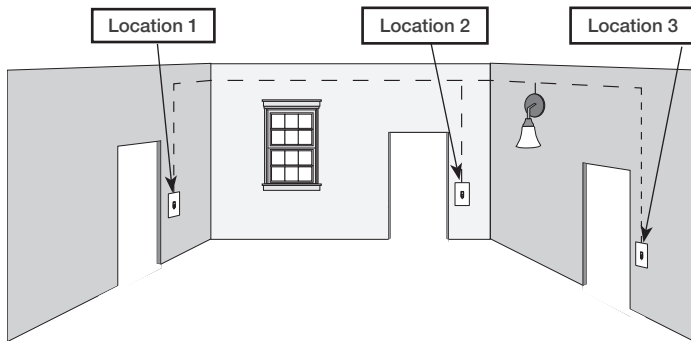
Schematic Diagram



* 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

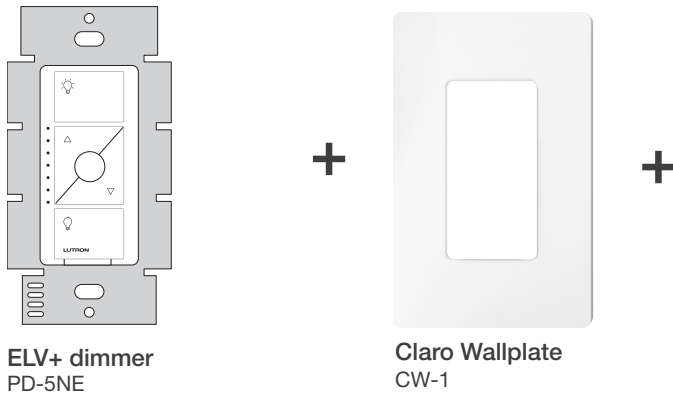


Three or more switches control the lights (multi-location installation)

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 18 for details

2 What you need for a multi-location installation



ELV+ dimmer PD-5NE

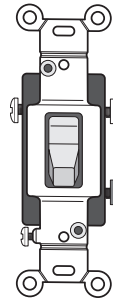
Claro Wallplate CW-1



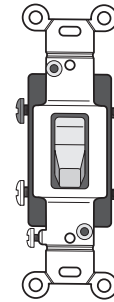
Two Pico remote controls with wall-mounting kits PJ2-WALL

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.

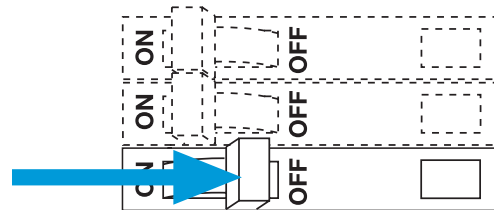


3-Way Switch
Locations 1 and 3



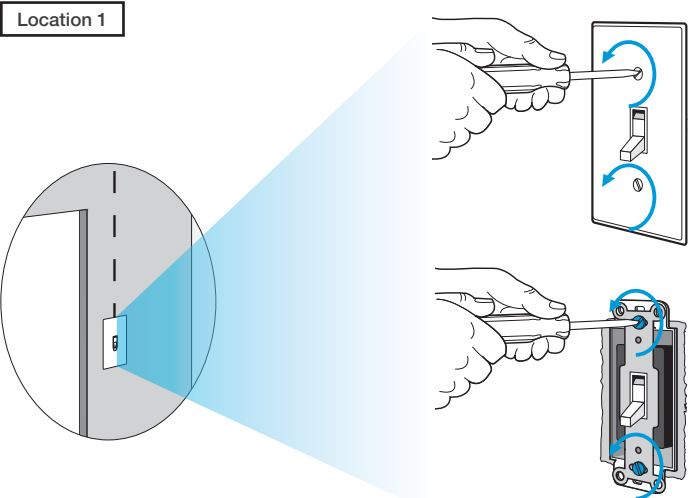
4-Way Switch
Location 2

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.

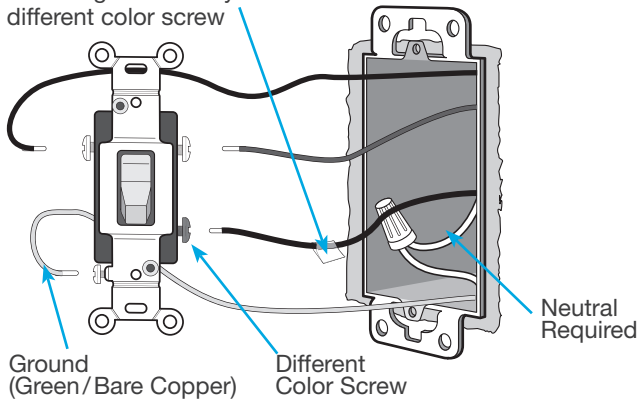
5 Remove existing switch from wall at Location 1



6 Tag and disconnect wires from the existing switch

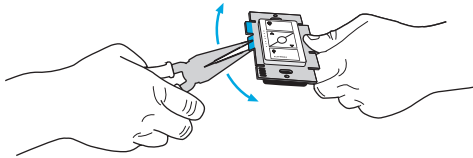
Location 1

Place tag - to identify wire on different color screw

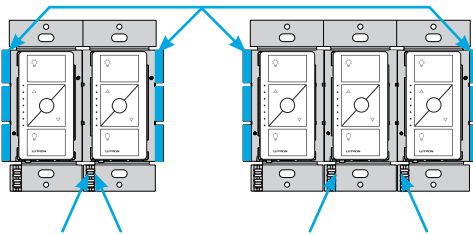


7 Remove side sections (if necessary)

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.

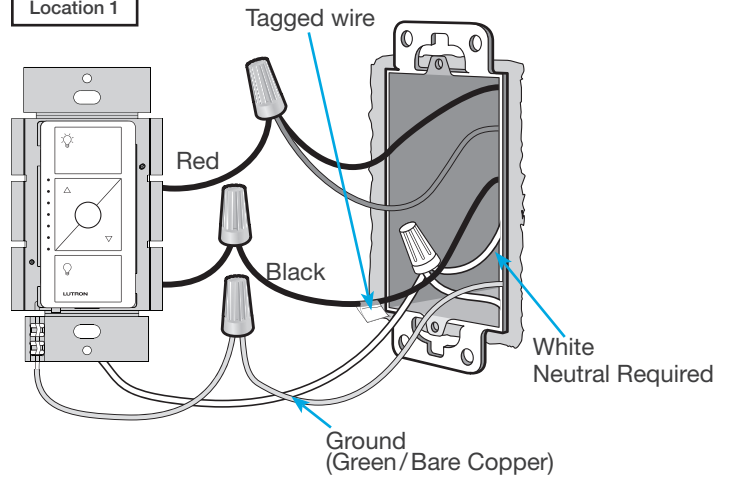
Important note:

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

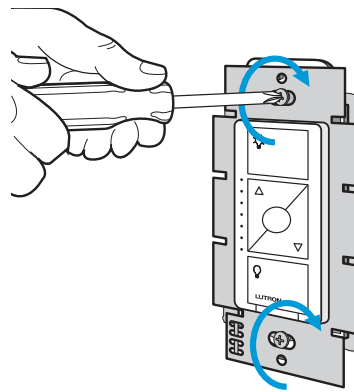
8 Connect the new Caséta Wireless dimmer

Location 1



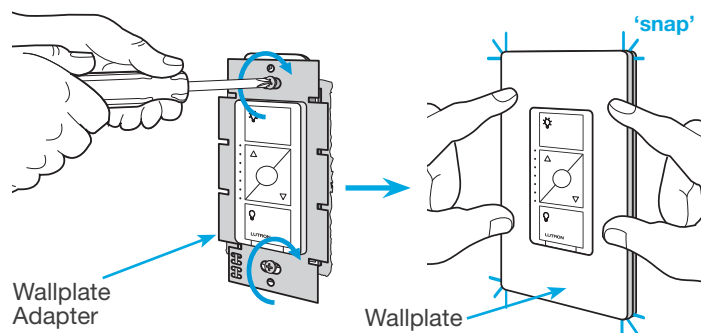
9 Mount the Caséta Wireless dimmer

Location 1



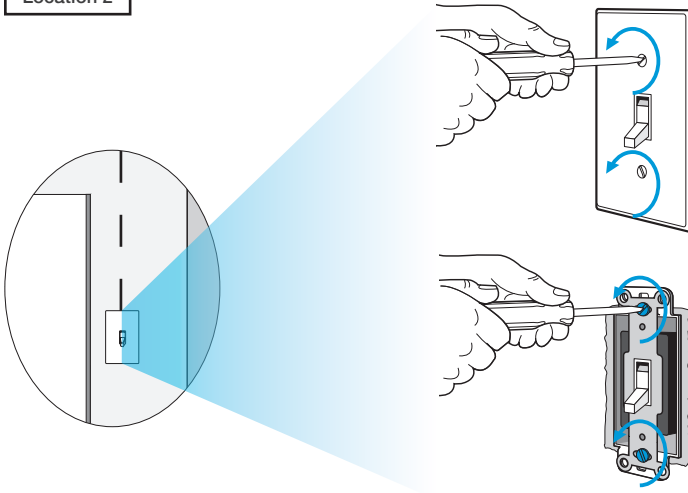
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

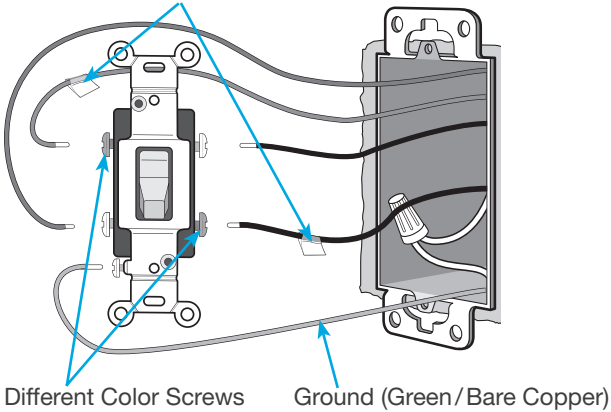
Location 2



12 Tag and disconnect wires from the existing switch

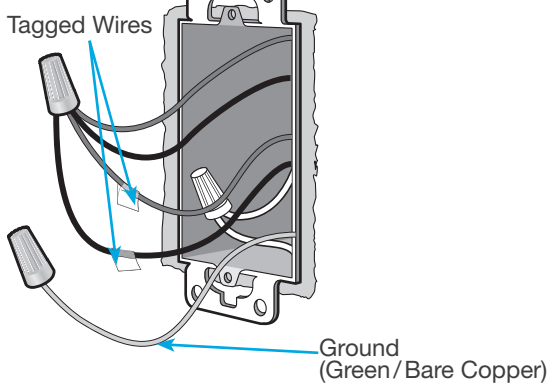
Location 2

Place tags - to identify wires on different color screws



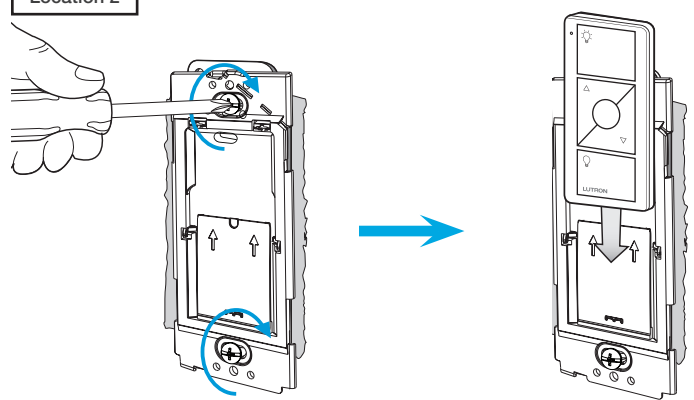
13 Connect the wires

Location 2



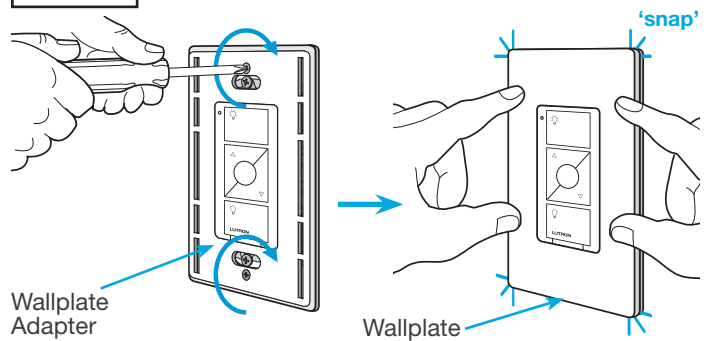
14 Attach the wallplate bracket and Pico remote control

Location 2



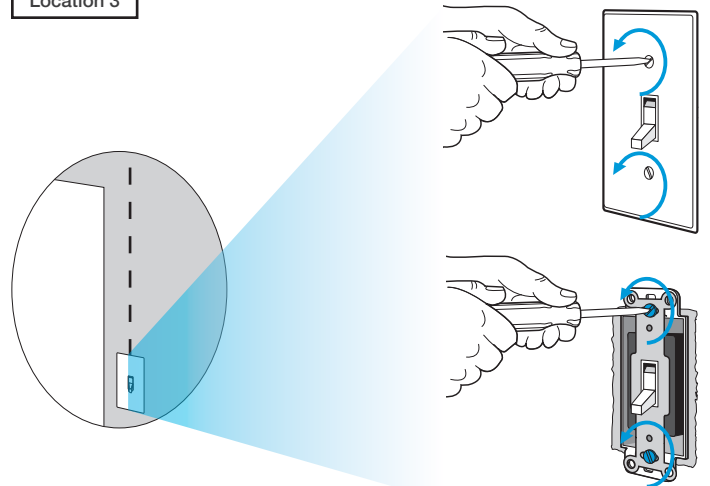
15 Attach the wallplate

Location 2

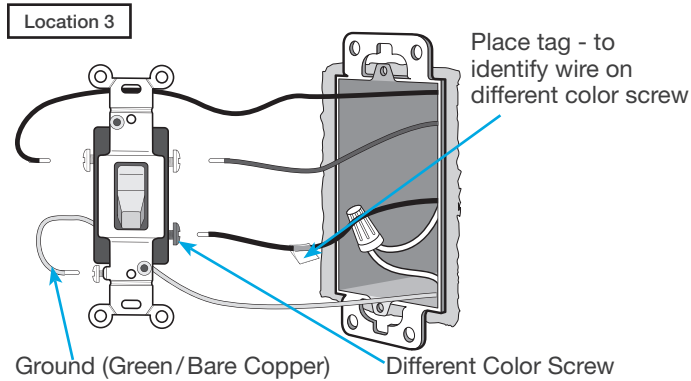


16 Remove existing switch from wall at Location 3

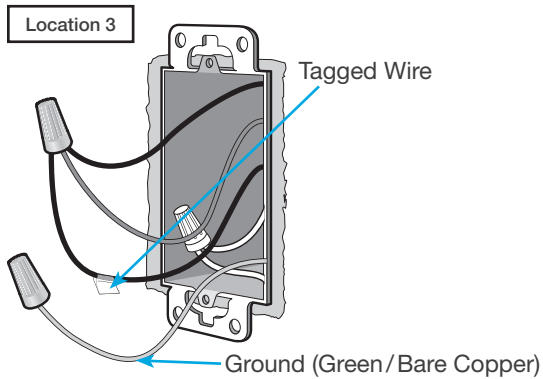
Location 3



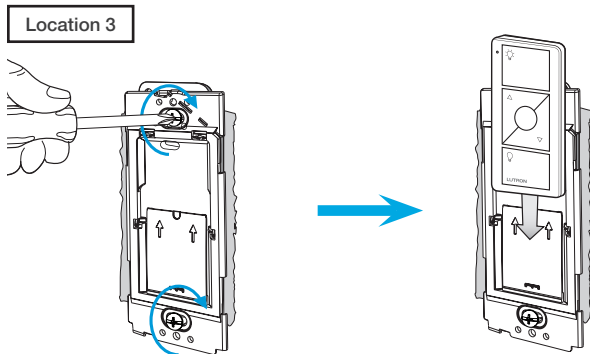
17 Tag and disconnect wires from the existing switch



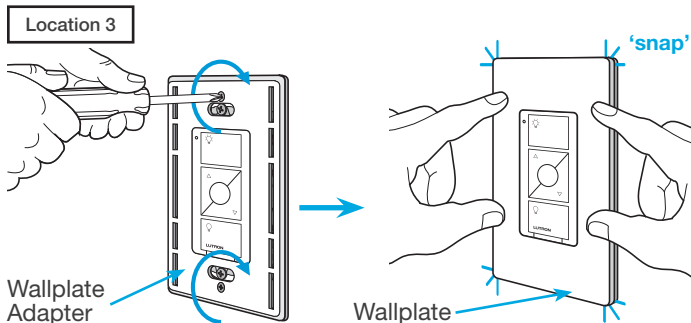
18 Connect the wires



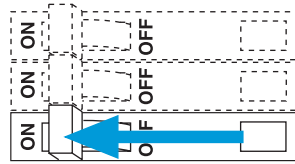
19 Attach the wallplate bracket and Pico remote control



20 Attach the wallplate

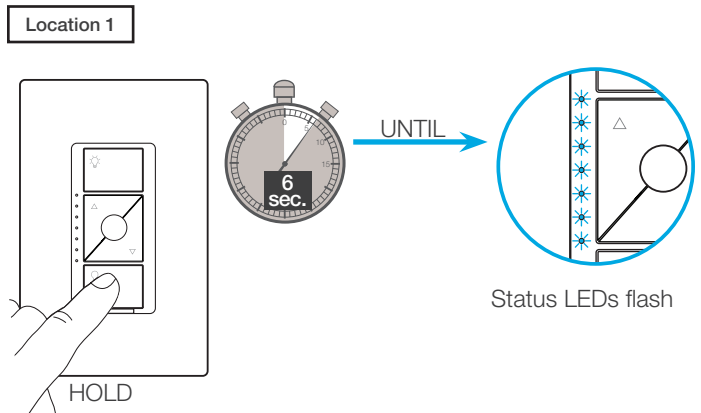


21 Turn power on at circuit breaker

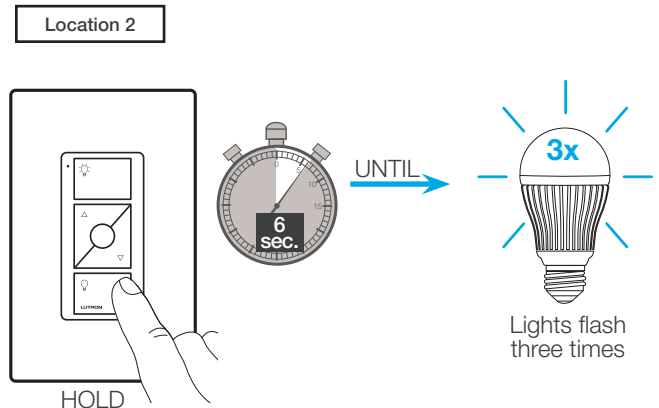


Pairing the dimmer and Pico remote controls

22 Press and hold "Off" button on dimmer



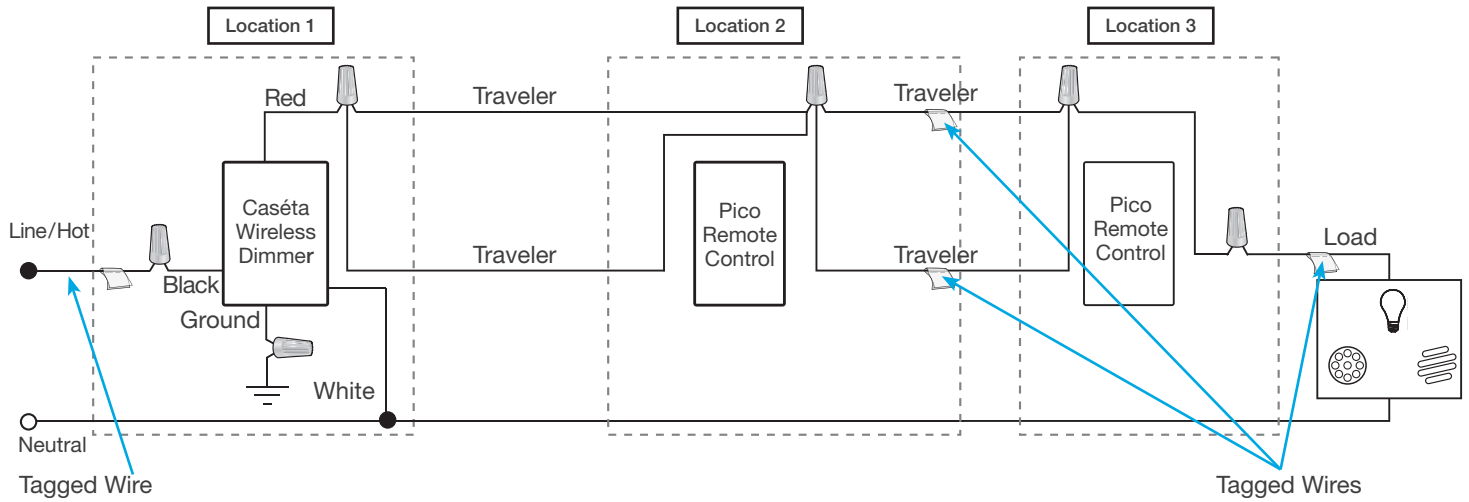
23 Press and hold "Off" button on remote control



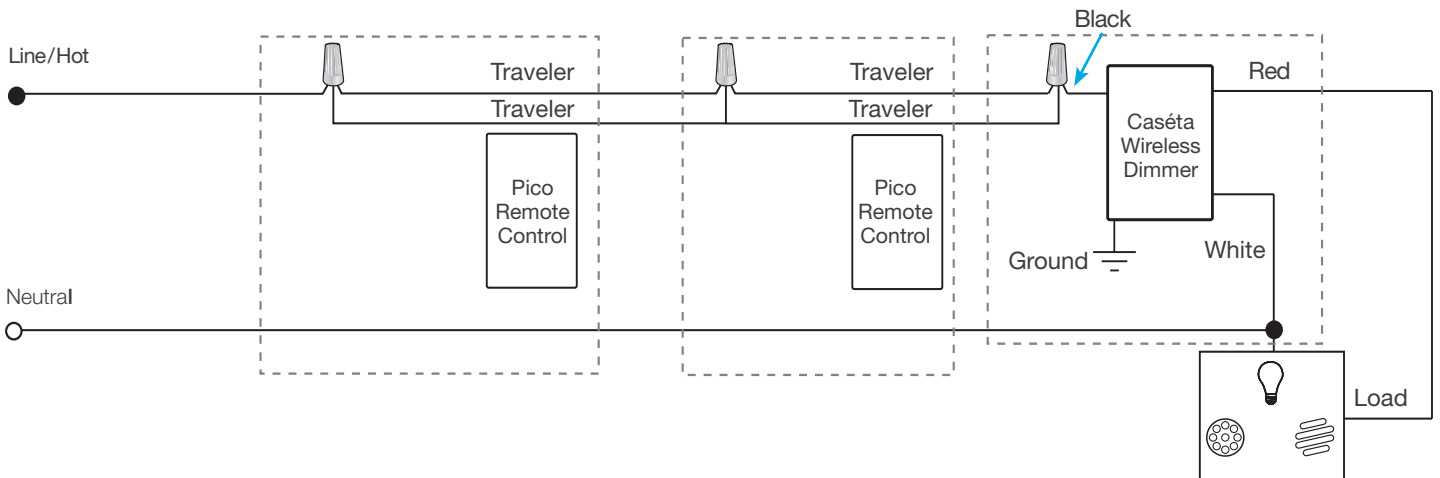
24 Repeat for remote control at Location 3

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

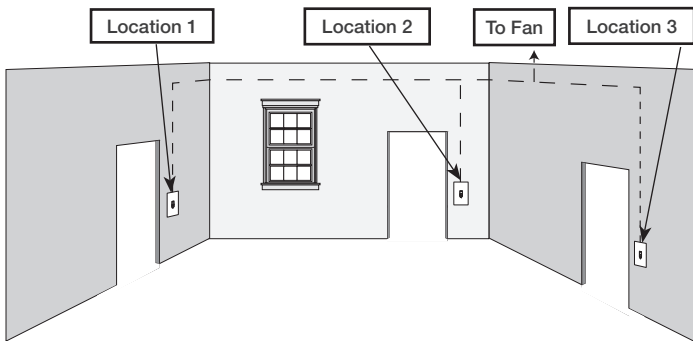
Schematic Diagram



* Neutral Required



1 Identify existing wiring

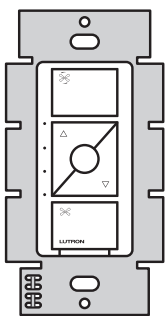


Three or more switches control the fan (multi-location installation)

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 22 for details

2 What you need for a multi-location installation



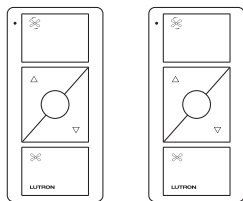
Fan Control
PD-FSQN



Three Claro Wallplates
CW-1



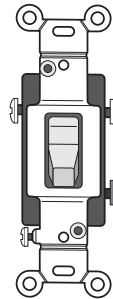
Two Pico Wallbox
Adapters
PICO-WBX-ADAPT



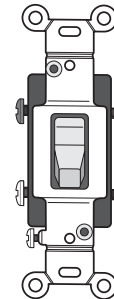
Two Pico Remote Controls
for Fans
PJ2-3BRL-XXX-F01

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.

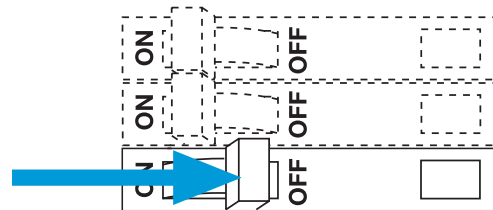


3-Way Switch
Locations 1 and 3



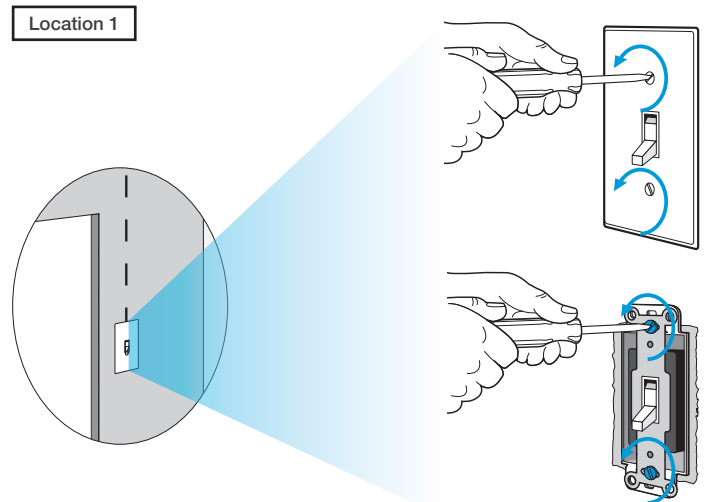
4-Way Switch
Location 2

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.

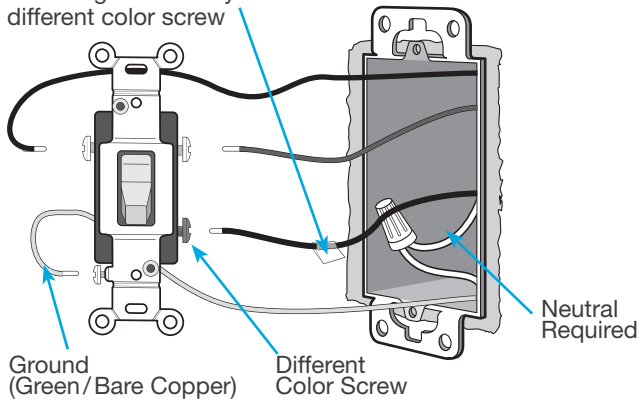
5 Remove existing switch from wall at Location 1



6 Tag and disconnect wires from the existing switch

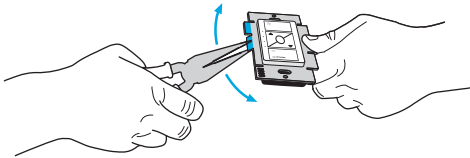
Location 1

Place tag - to identify wire on different color screw

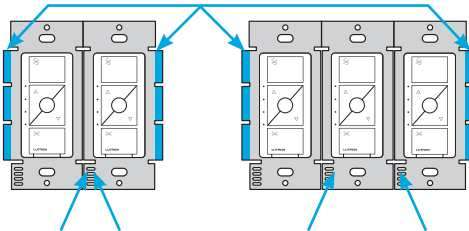


7 Remove side sections (if necessary)

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.

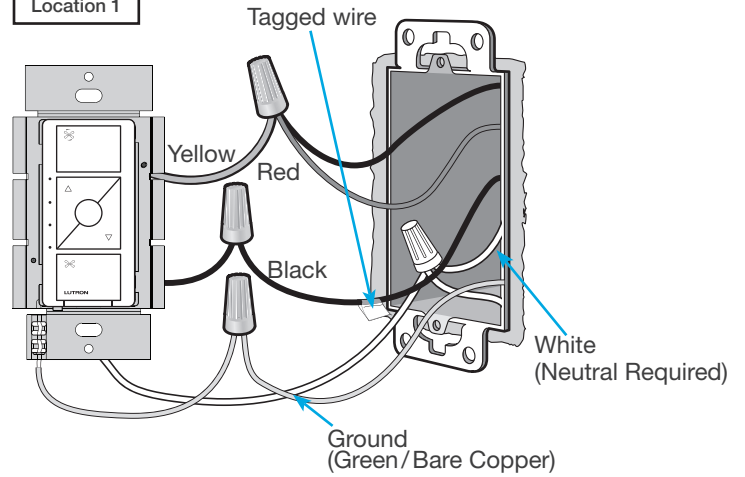


Each control has inside side sections removed.

The control in the middle has all side sections removed.

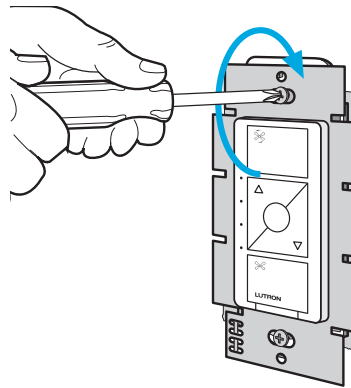
8 Connect the new Caséta Wireless fan control

Location 1



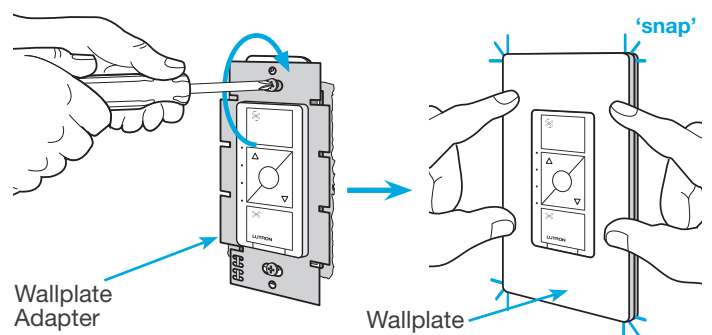
9 Mount the Caséta Wireless fan control

Location 1



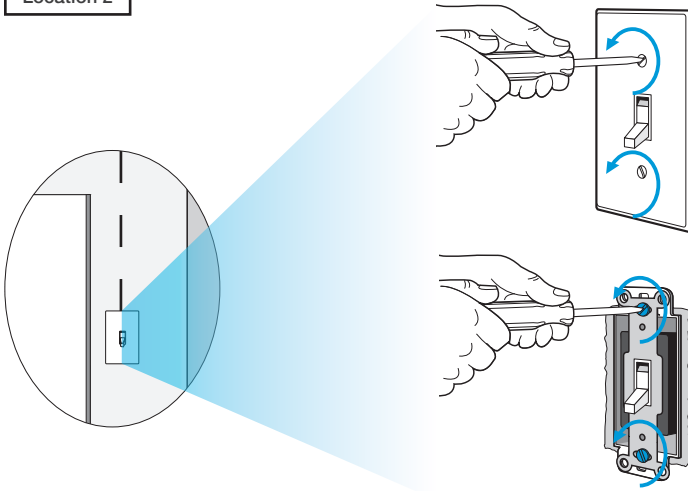
10 Attach the wallplate

Location 1



11 Remove existing switch from wall at Location 2

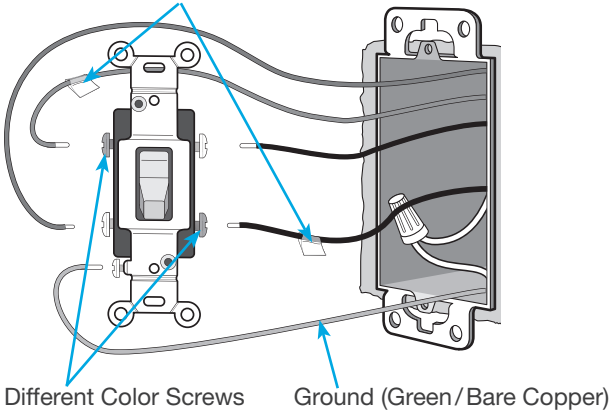
Location 2



12 Tag and disconnect wires from the existing switch

Location 2

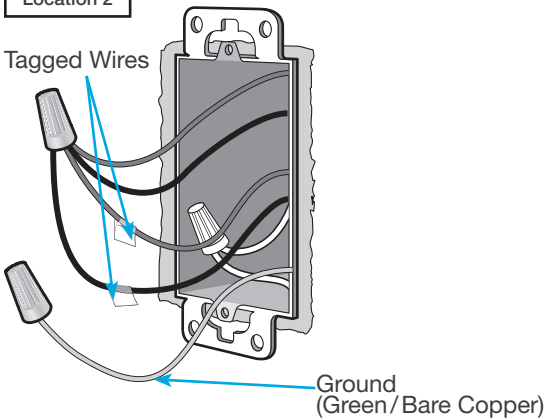
Place tags - to identify wires on different color screws



13 Connect the wires

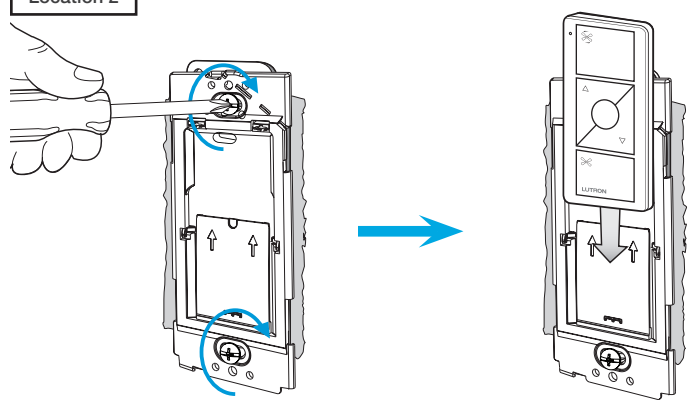
Location 2

Tagged Wires



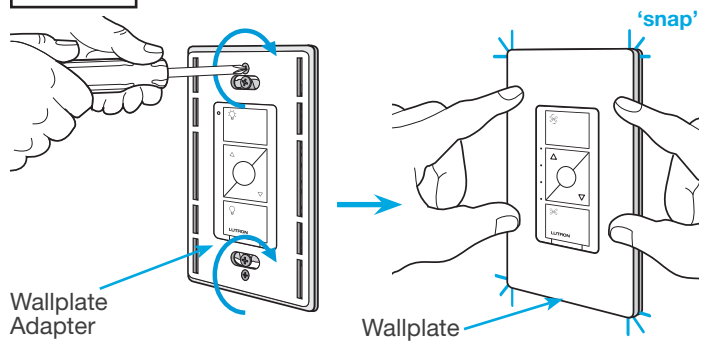
14 Attach the wallplate bracket and Pico remote control

Location 2



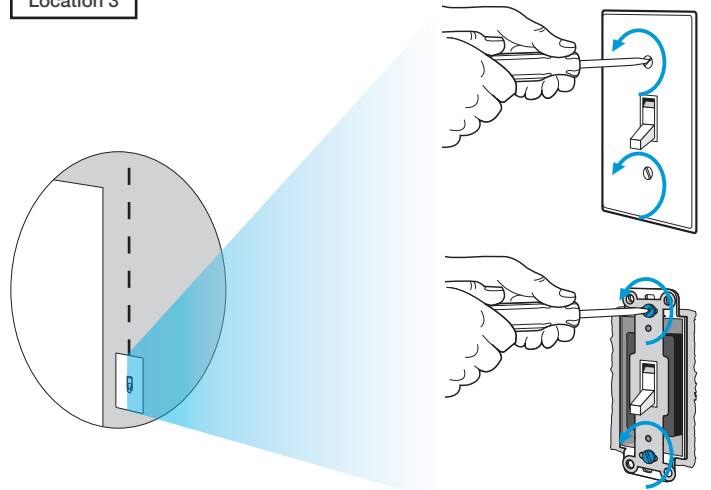
15 Attach the wallplate

Location 2

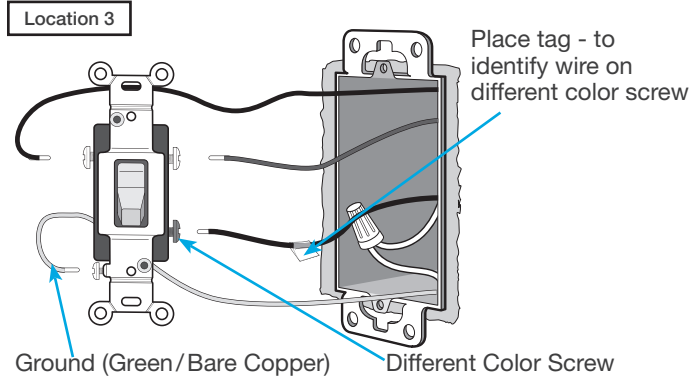


16 Remove existing switch from wall at Location 3

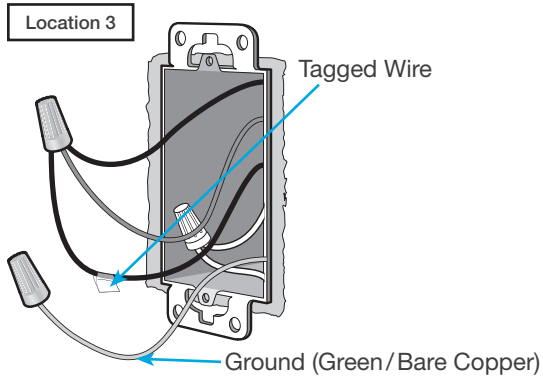
Location 3



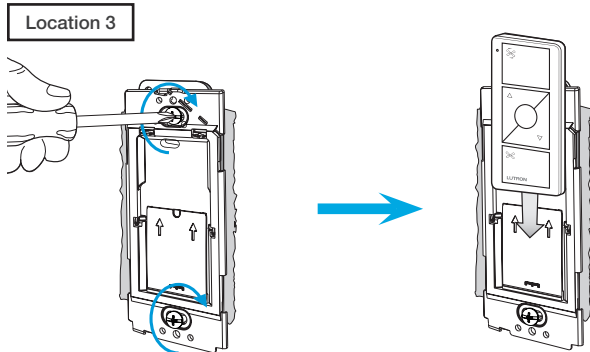
17 Tag and disconnect wires from the existing switch



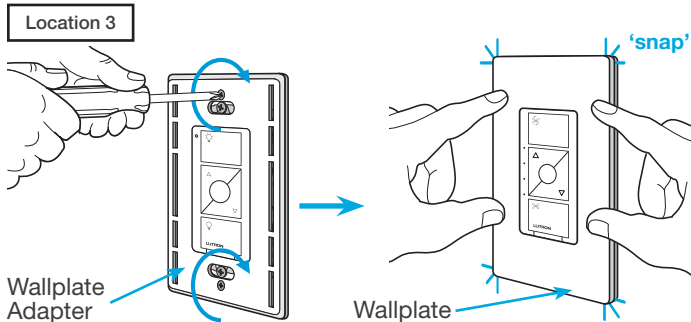
18 Connect the wires



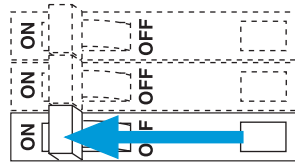
19 Attach the wallplate bracket and Pico remote control



20 Attach the wallplate

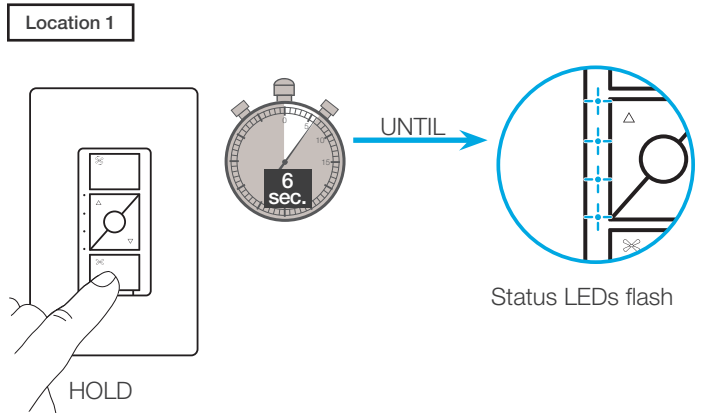


21 Turn power on at circuit breaker

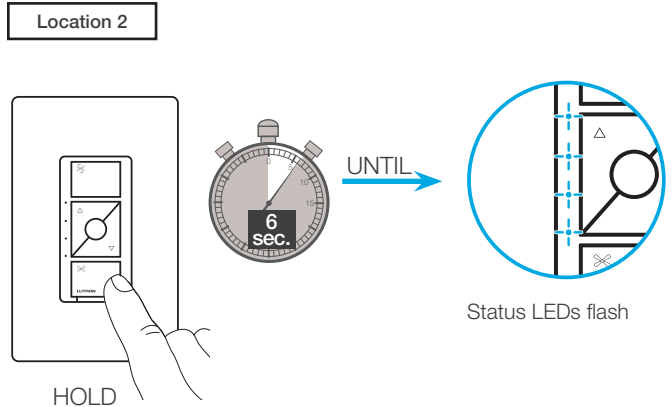


Pairing the fan control and Pico remote controls

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



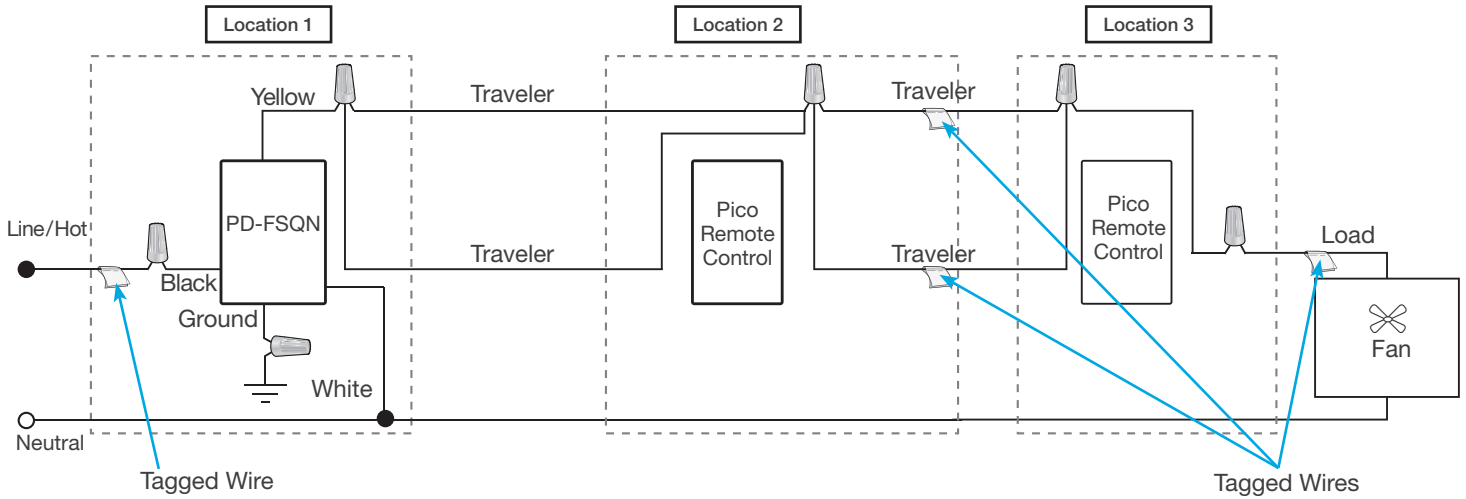
23 Press and hold "Off" button on remote control



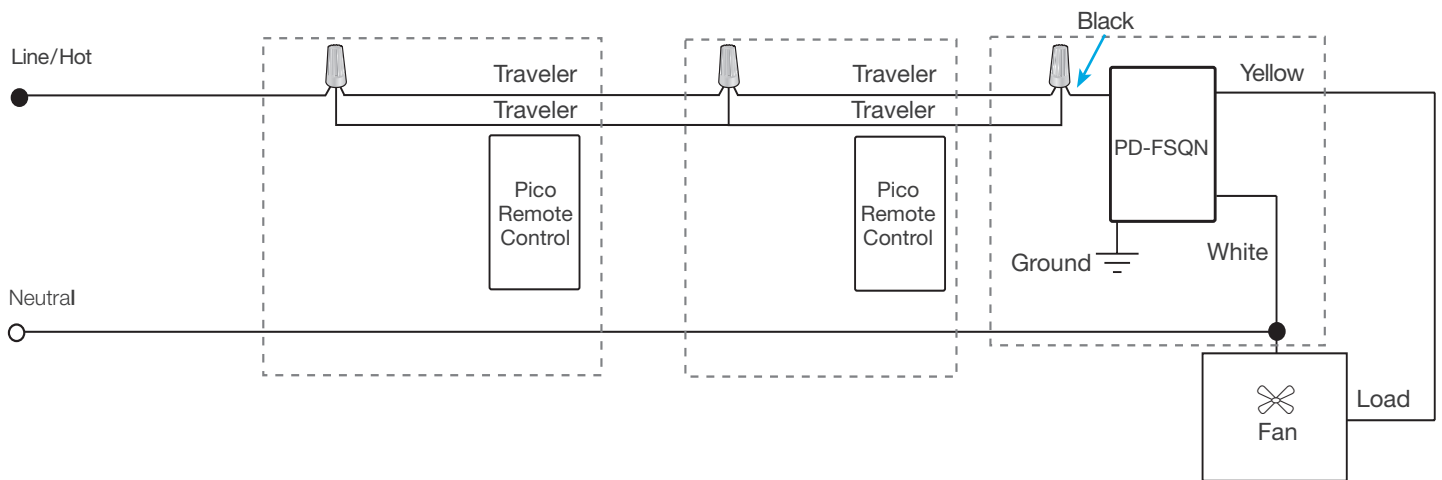
24 Repeat for remote control at Location 3

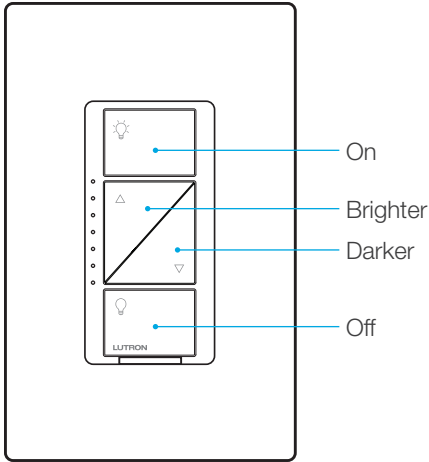
Repeat steps 22 and 23 to pair remote control at Location 3.

Schematic Diagram



* Neutral Required

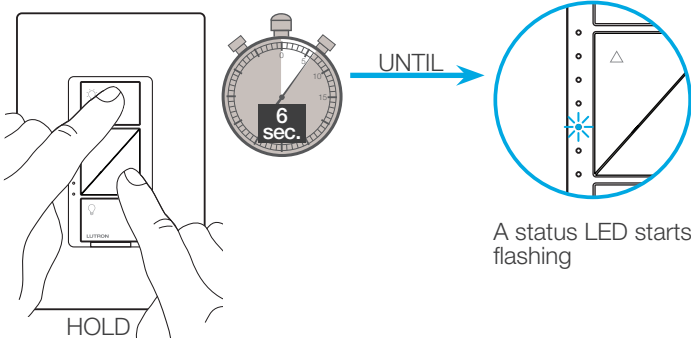




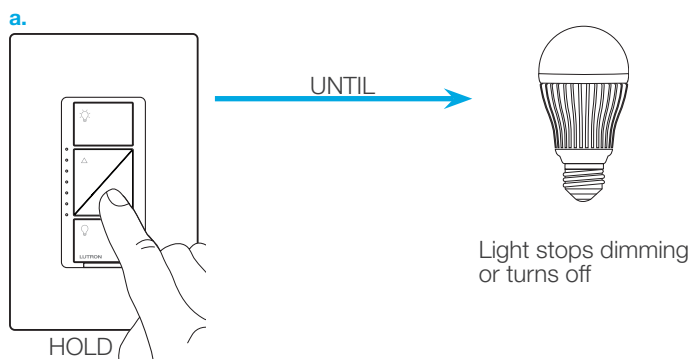
In-wall dimmer

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

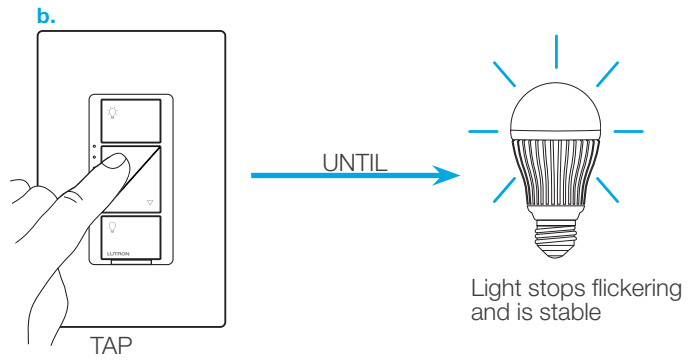
1 Enter



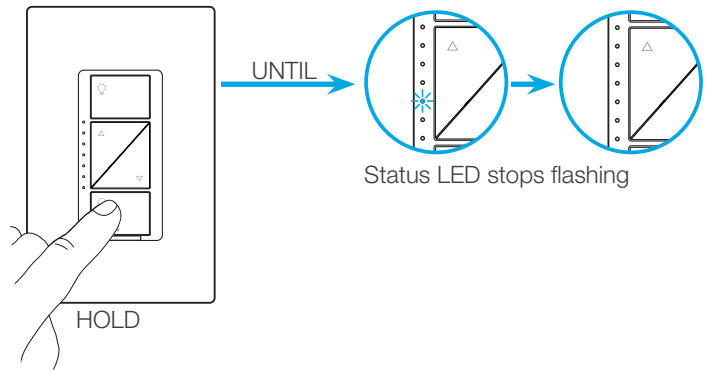
2 Adjust



2 Adjust (continued)

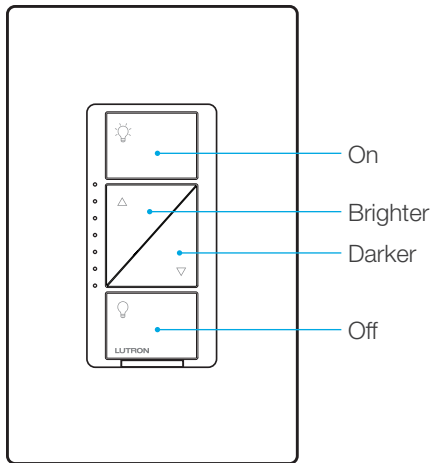


3 Save



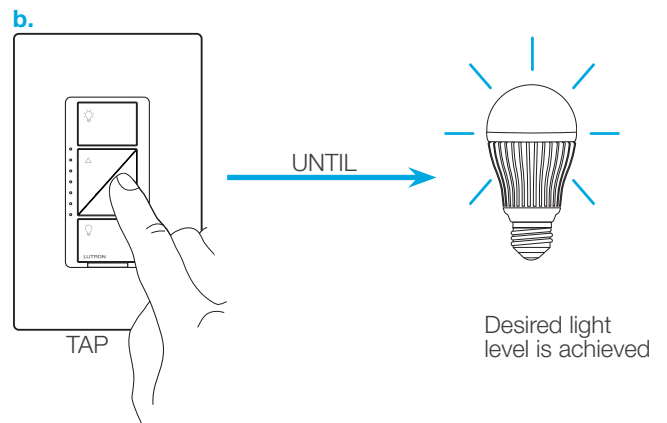
4 Verify

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

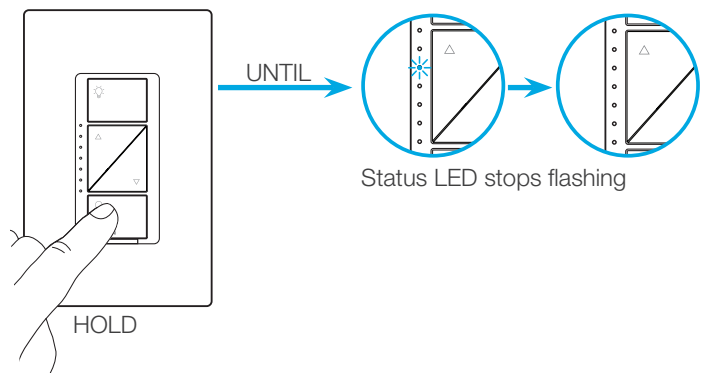


In-wall dimmer

2 Adjust (continued)

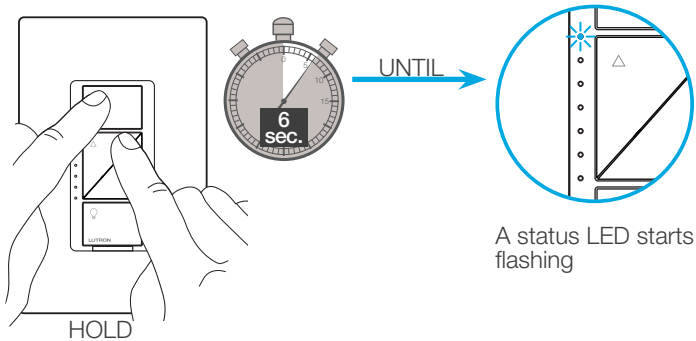


3 Save

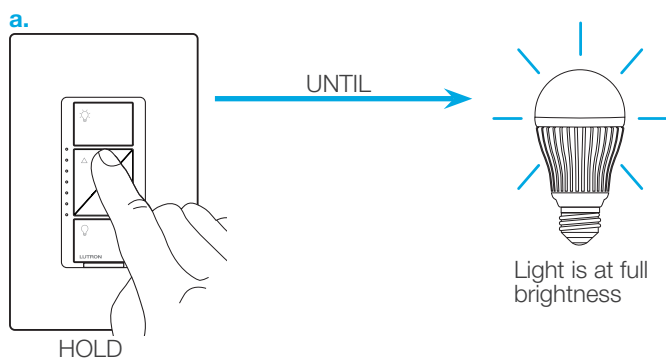


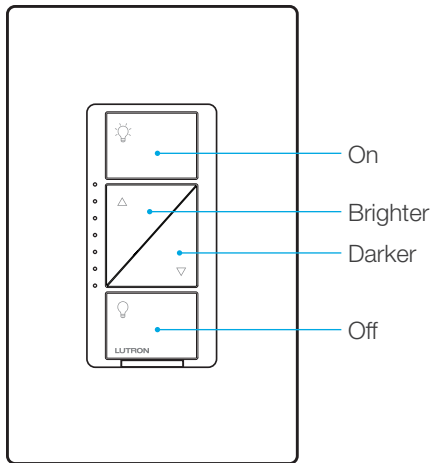
Adjusting High-End Trim - To optimize performance of dimmable LED lamps

1 Enter



2 Adjust

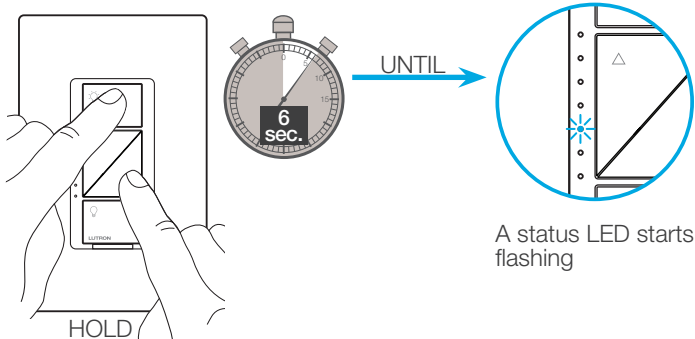




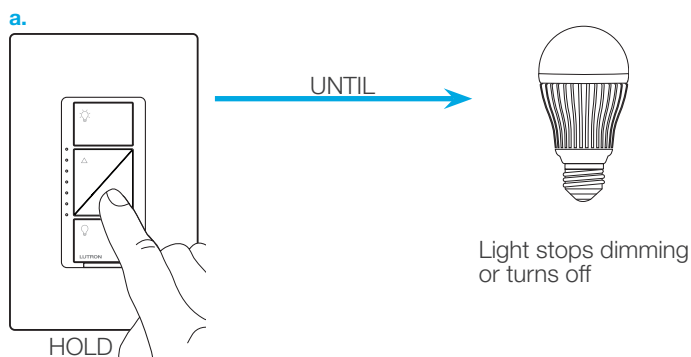
In-wall PRO dimmer

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

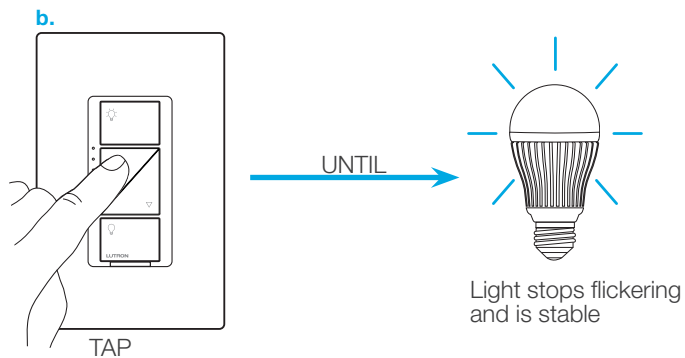
1 Enter



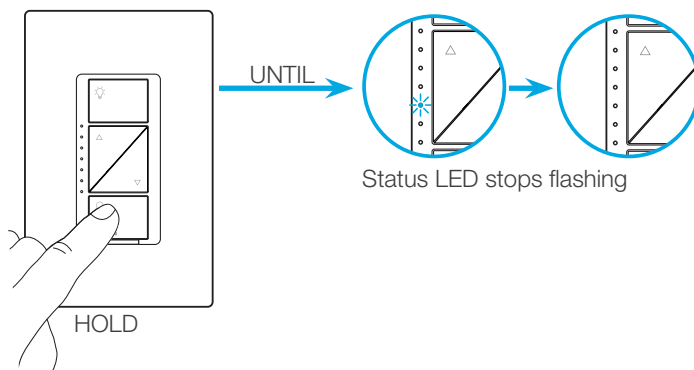
2 Adjust



2 Adjust (continued)

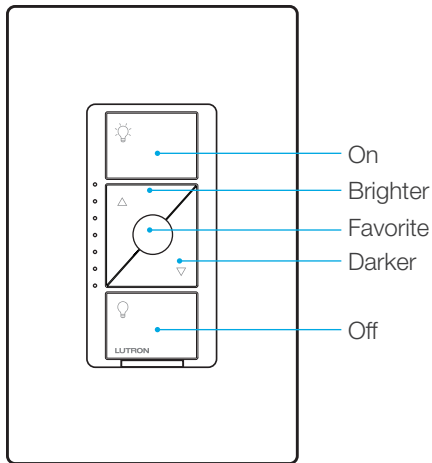


3 Save



4 Verify

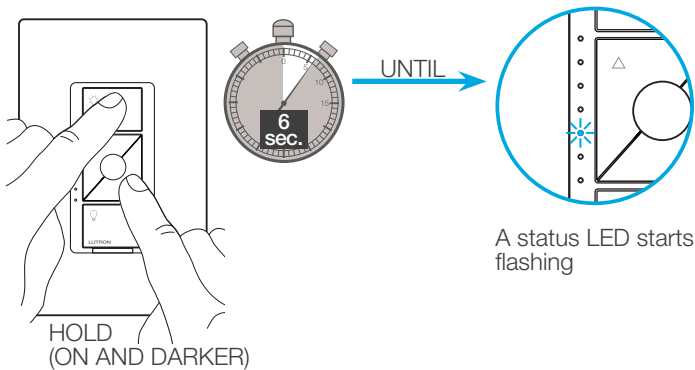
- Tap "Off" one time. Light will turn off.
 - Tap "Brighter" one time. Light will turn on.
 - If light is still off or is flickering, repeat steps 1-4.
-
-



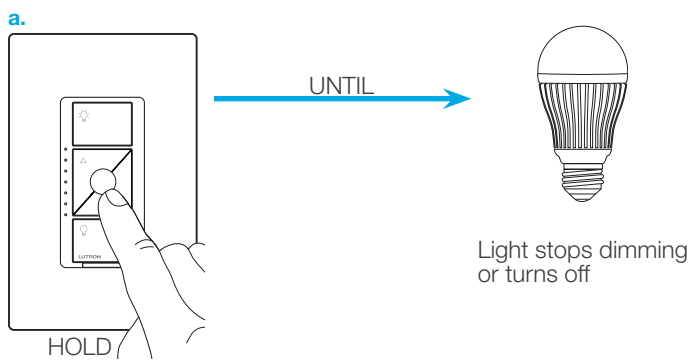
In-wall dimmer

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

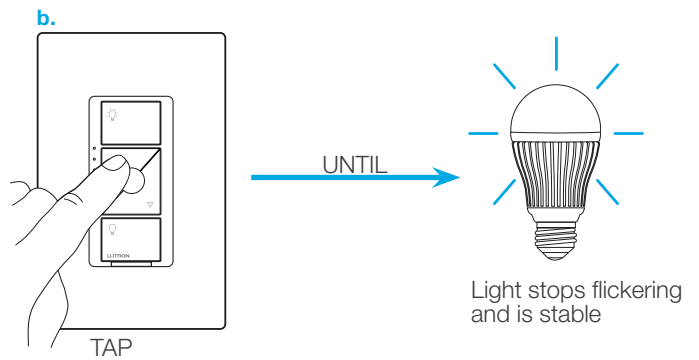
1 Enter



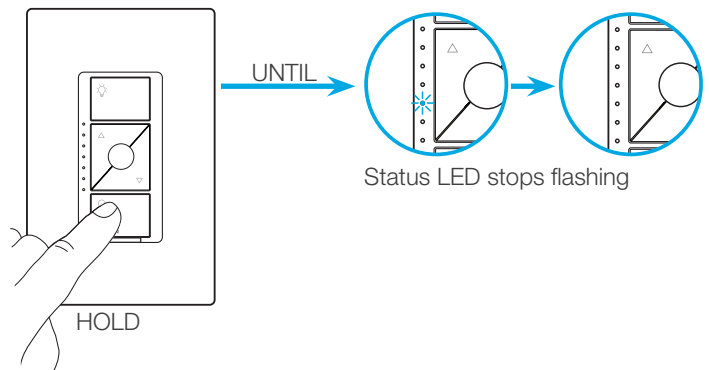
2 Adjust



2 Adjust (continued)

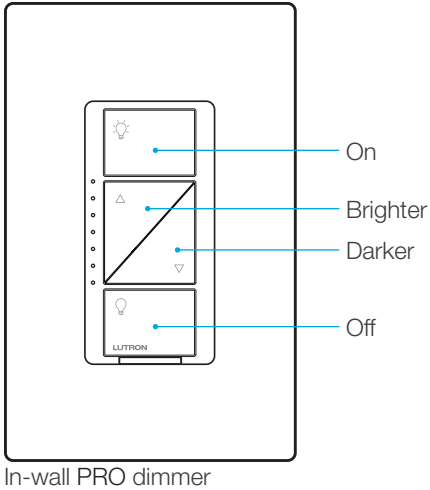


3 Save

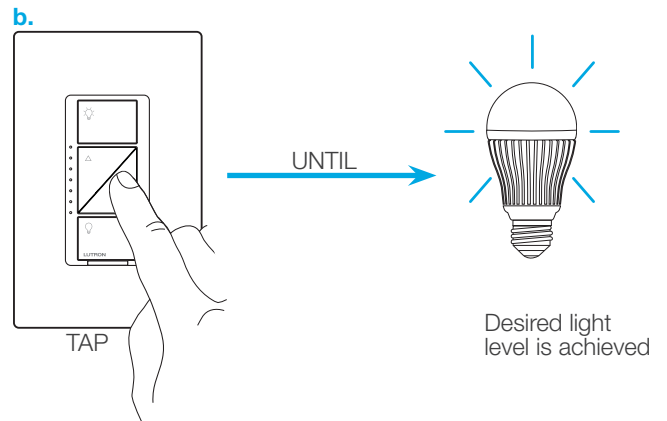


4 Verify

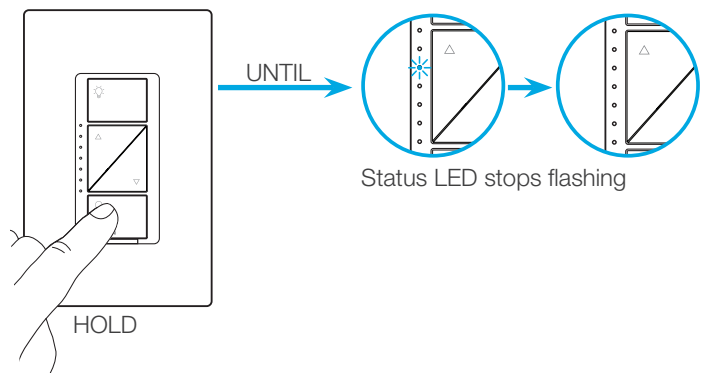
- Tap "Off" one time. Light will turn off.
 - Tap "Brighter" one time. Light will turn on.
 - If light is still off or is flickering, repeat steps 1-4.
-
-



2 Adjust (continued)

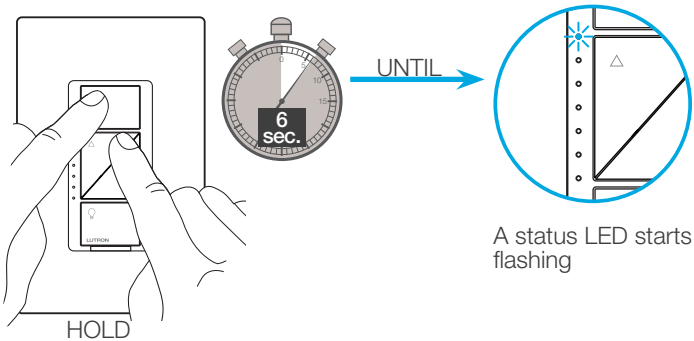


3 Save

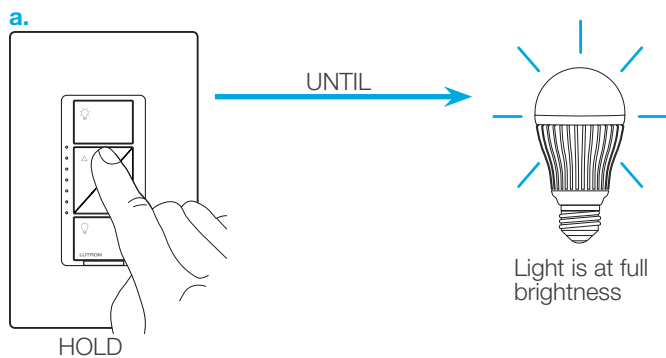


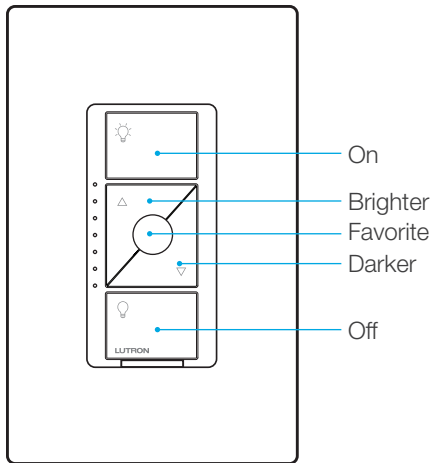
Adjusting High-End Trim - To optimize performance of dimmable LED lamps

1 Enter



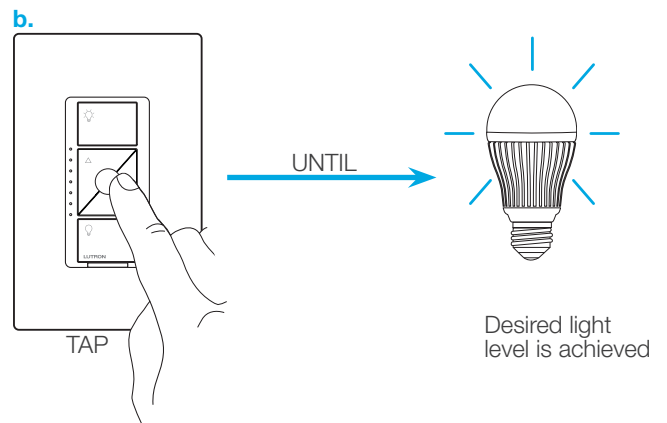
2 Adjust



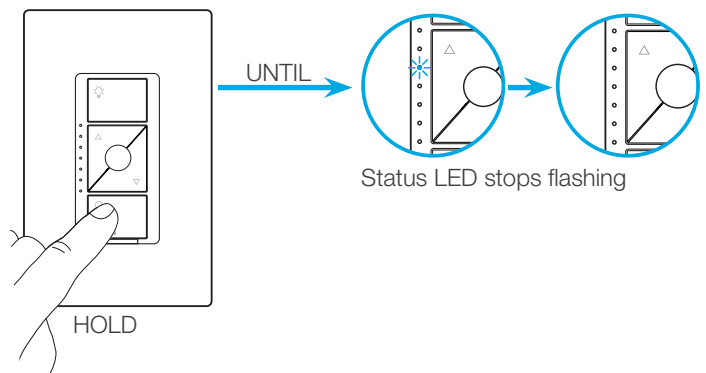


In-wall dimmer

2 Adjust (continued)

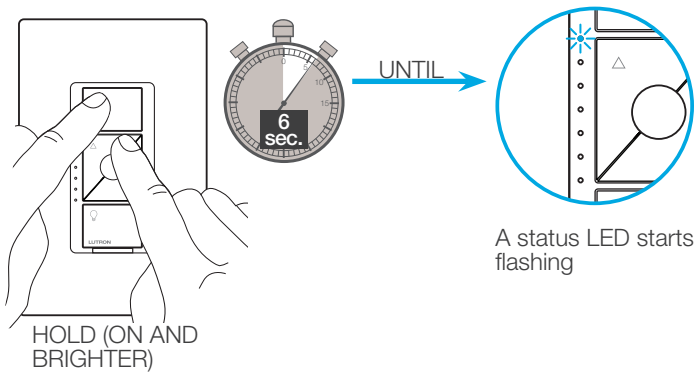


3 Save

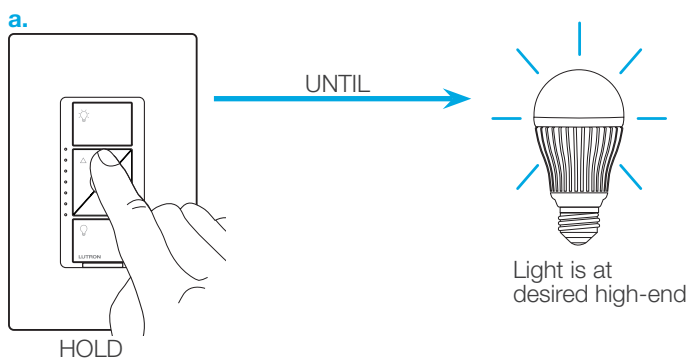


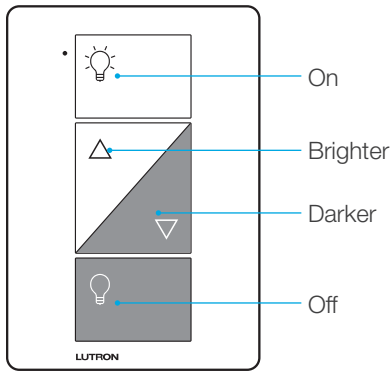
Adjusting High-End Trim - To optimize performance of dimmable LED lamps

1 Enter



2 Adjust

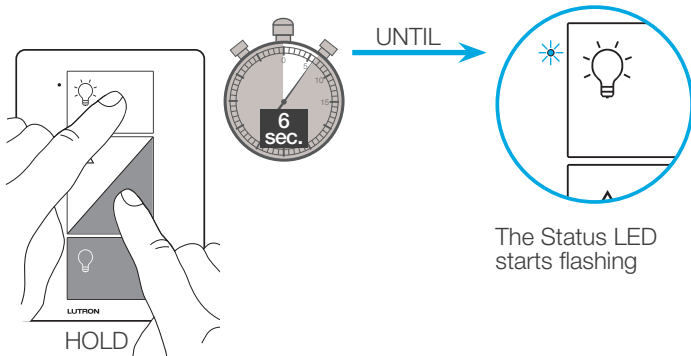




Plug-in lamp dimmer

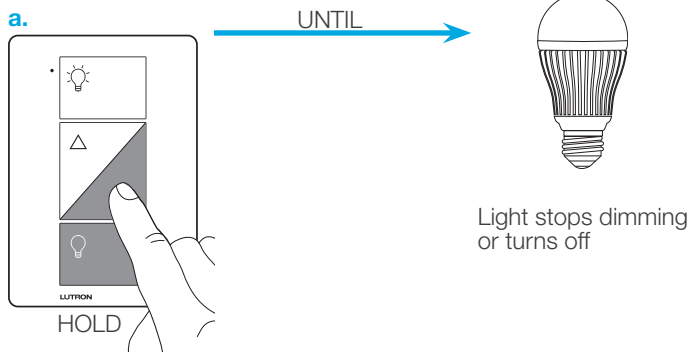
Adjusting Low-End Trim - To optimize performance of dimmable LED lamps

1 Enter



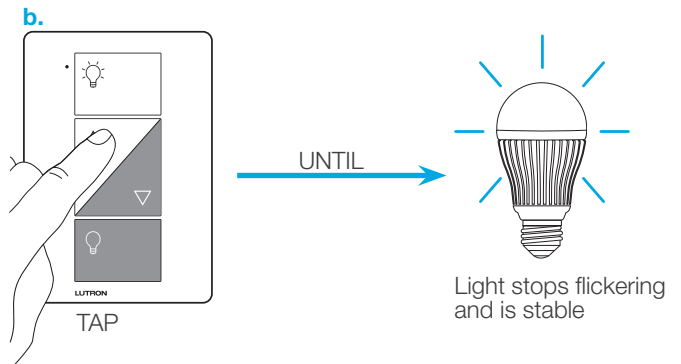
The Status LED starts flashing

2 Adjust



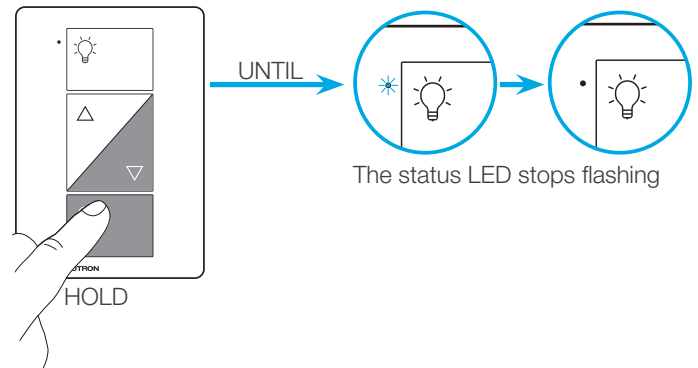
Light stops dimming or turns off

2 Adjust (continued)



Light stops flickering and is stable

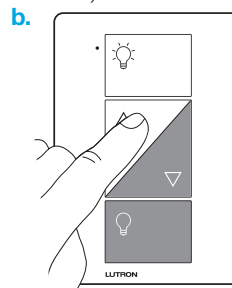
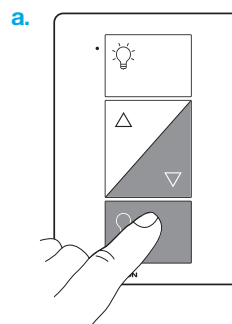
3 Save

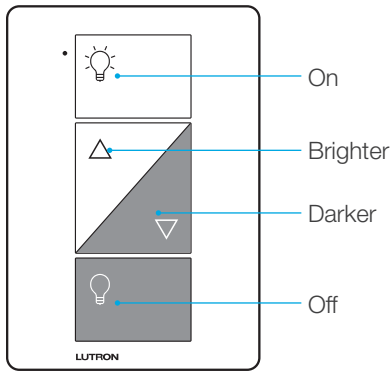


The status LED stops flashing

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.

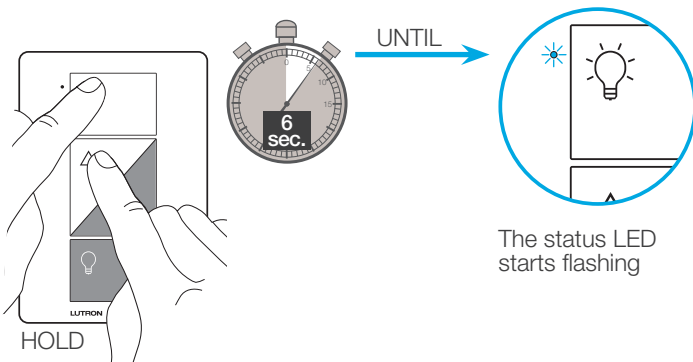




Plug-in lamp dimmer

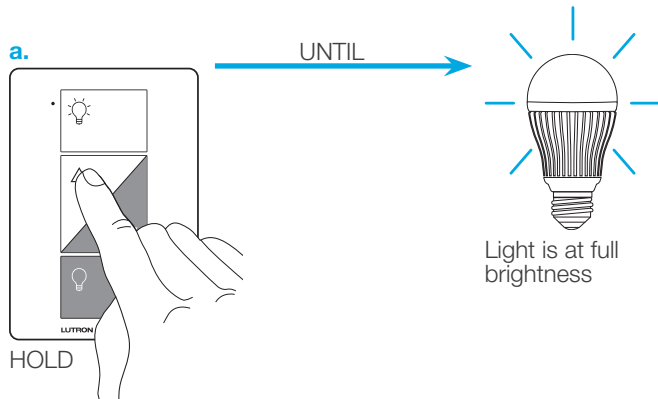
Adjusting High-End Trim - To optimize performance of dimmable LED lamps

1 Enter



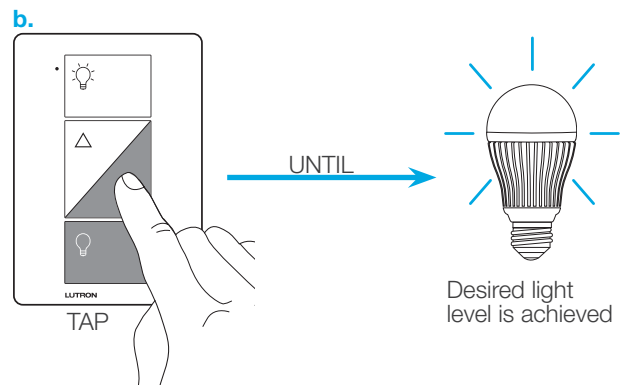
The status LED starts flashing

2 Adjust



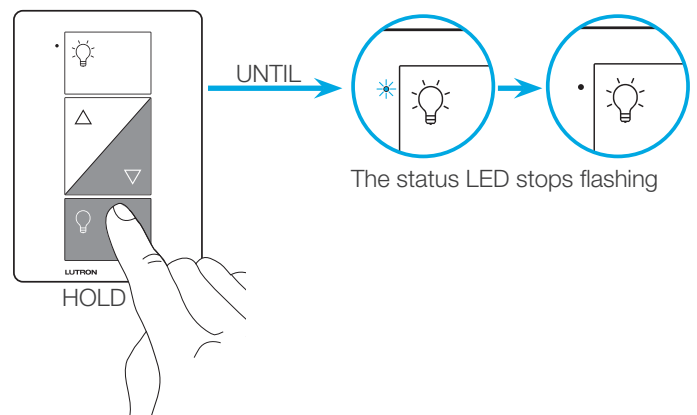
Light is at full brightness

2 Adjust (continued)

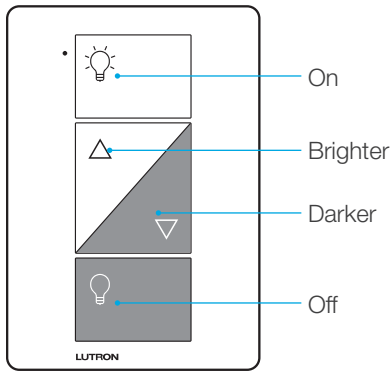


Desired light level is achieved

3 Save

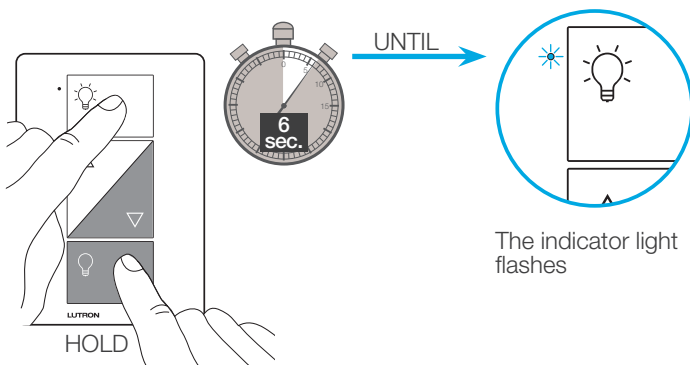


The status LED stops flashing

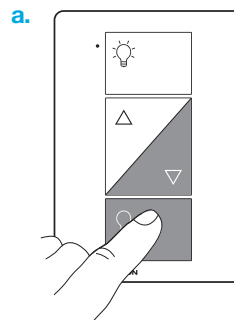


Plug-in lamp dimmer

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

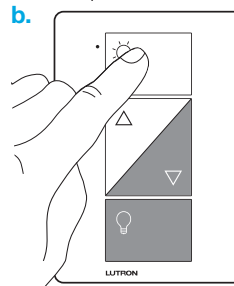


2 Verify



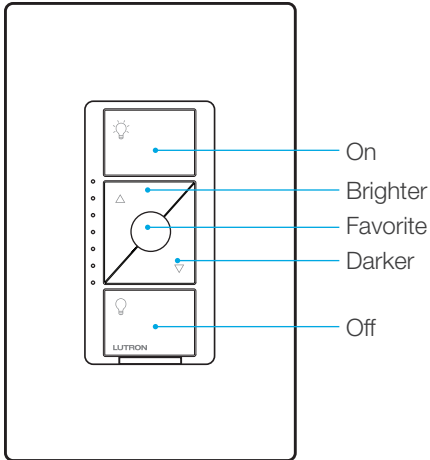
a. Tap "Off" one time. Light will turn off.

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.

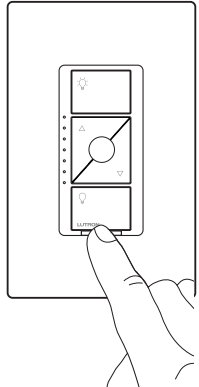
3 To change back to dimmer mode repeat step 1



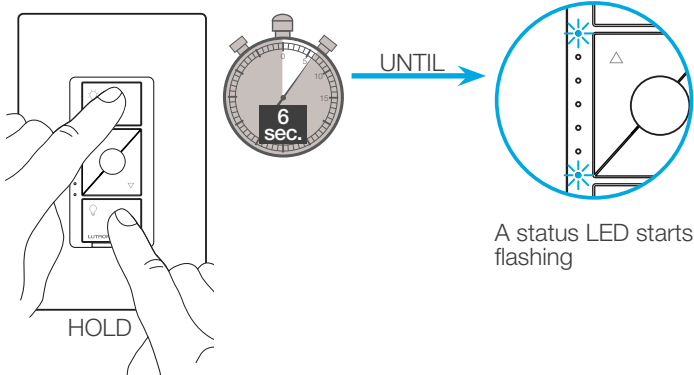
In-wall ELV+ dimmer

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

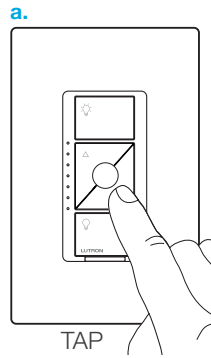
1 Pull out the FASS Switch and then push back in



2 Enter

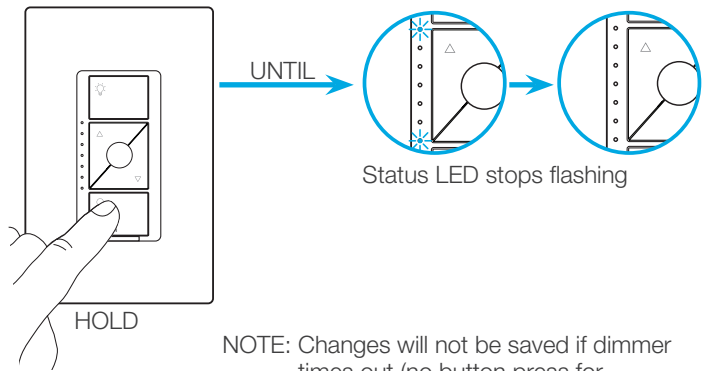


3 Adjust



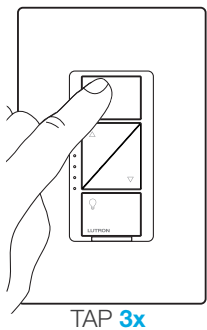
NOTE: Top LED Blinking - Forward Phase (MLV)
Bottom LED Blinking - Reverse Phase (ELV)

4 Save

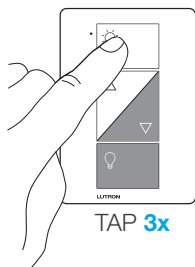


NOTE: Changes will not be saved if dimmer times out (no button press for 1 minute) or if power is turned off.

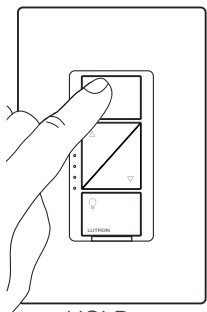
1 Tap the "On" button quickly three times, holding on the last press



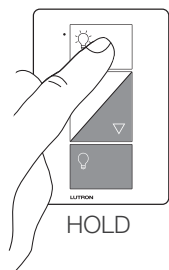
OR



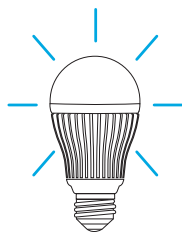
2 Continue to hold the "On" button until the light begins to flash quickly



OR

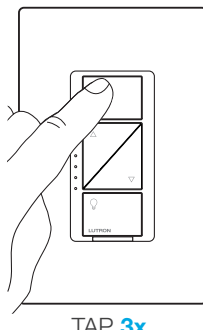


UNTIL

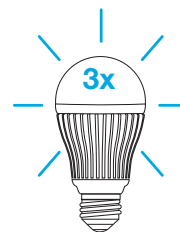
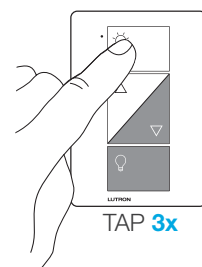


Light starts flashing quickly

3 Release the button, then immediately tap the button three more times



OR



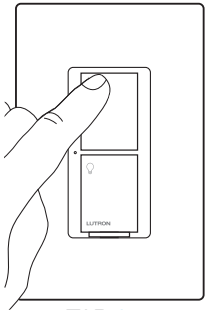
Light will flash slowly three times, then turn off

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.

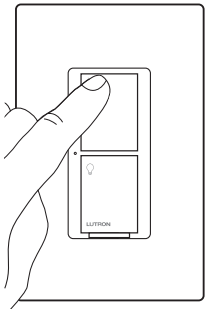
NOTE: This procedure also resets the high-end and low-end trim settings.

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



TAP 3x

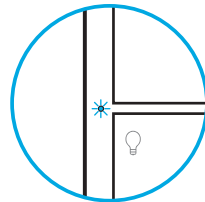
2 Continue to hold the "On" button until the Status LED begins to flash slowly



HOLD

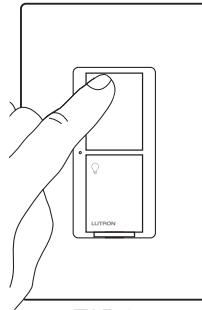


UNTIL →

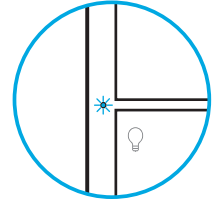


Status LED flashes slowly

3 Release the button, then immediately tap the button three more times

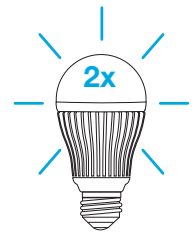


TAP 3x



Status LED flashes quickly

AND

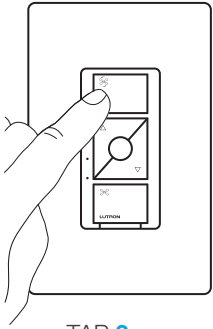


Light will flash slowly two times

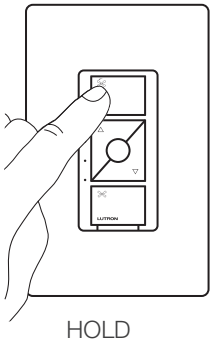
4 All paired Pico remote controls are removed and all settings are returned to factory default

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

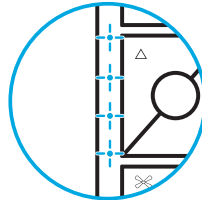
1 Tap the "On" button quickly three times, holding on the last press



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

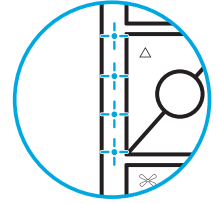
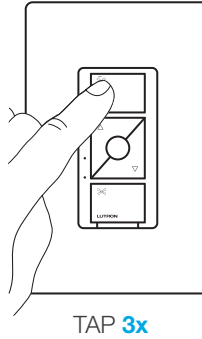


UNTIL →



Status LED flashes slowly

3 Release the button, then immediately tap the button three more times



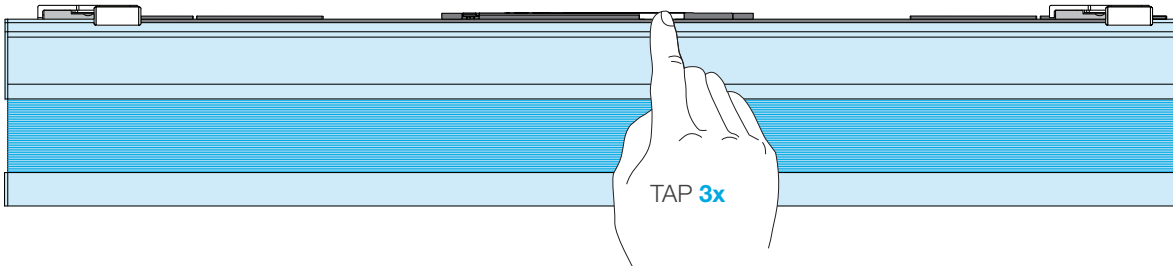
Status LED flashes quickly

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

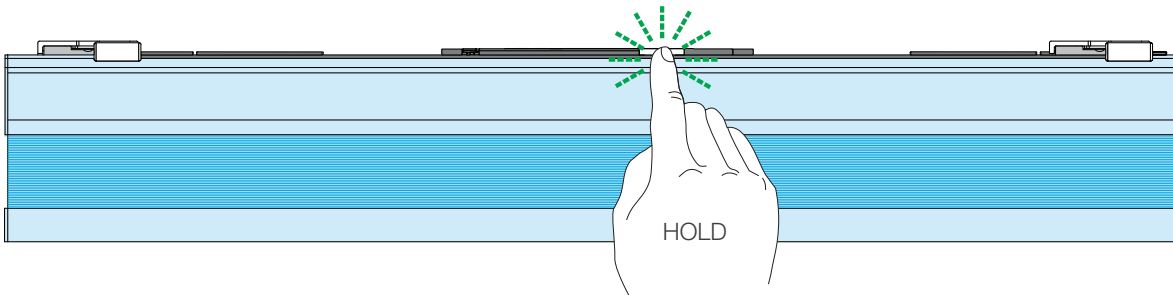
– After the switch resets, the fan will turn on to high.

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

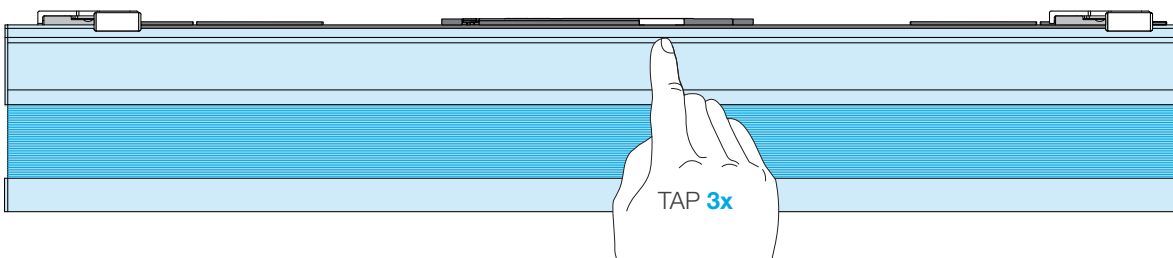
1 Tap the "Shade" button quickly three times, holding on the last press.



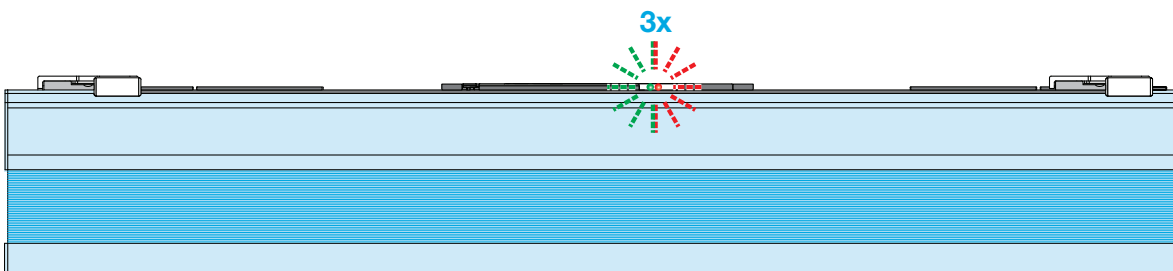
2 Continue to hold the "Shade" button until the button LED flashes green.



3 Release the "Shade" button, then immediately tap the button three more times.



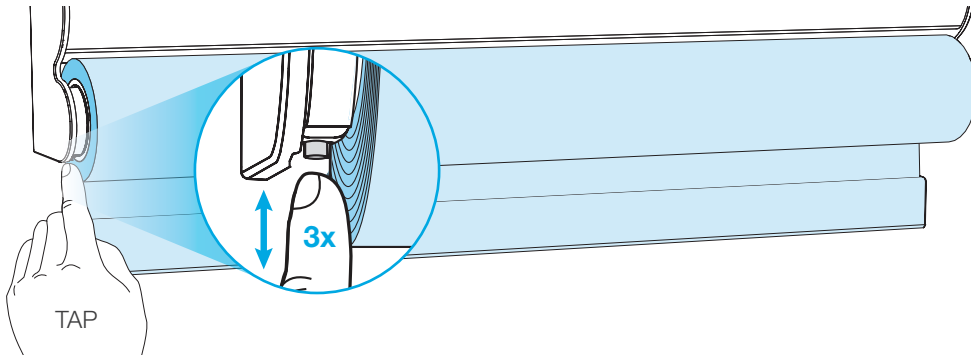
NOTE: The "Shade" button LED will flash GREEN-then-RED three times, signaling the successful completion of the procedure.



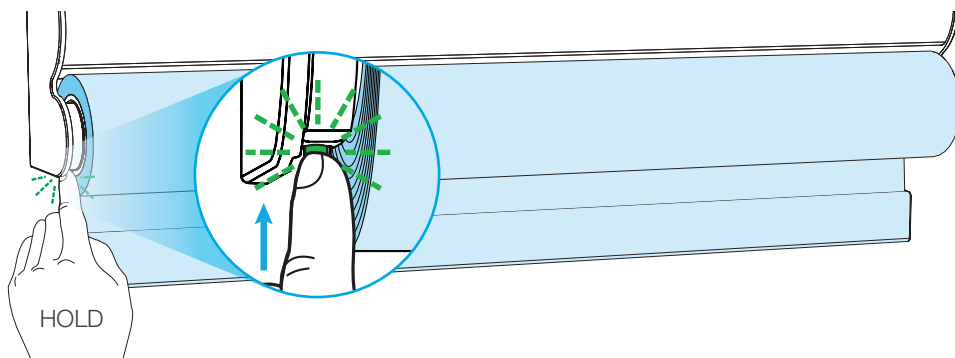
Roller Shades with a Single-Button (Battery-Powered and Plug-In)

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

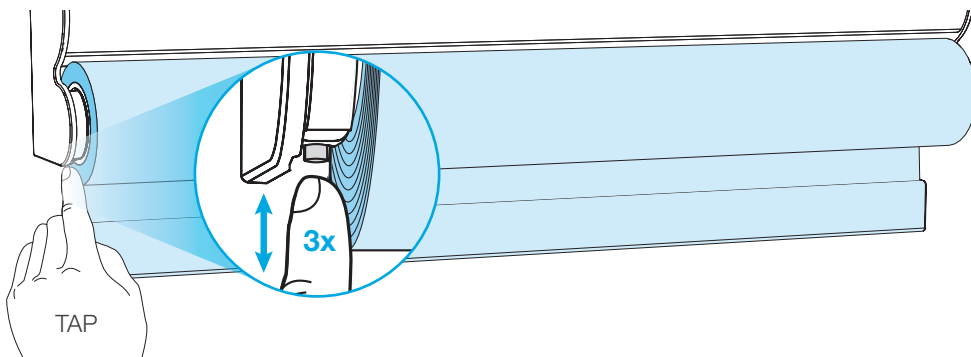
1 Tap the "Shade" button quickly three times, holding on the last press.



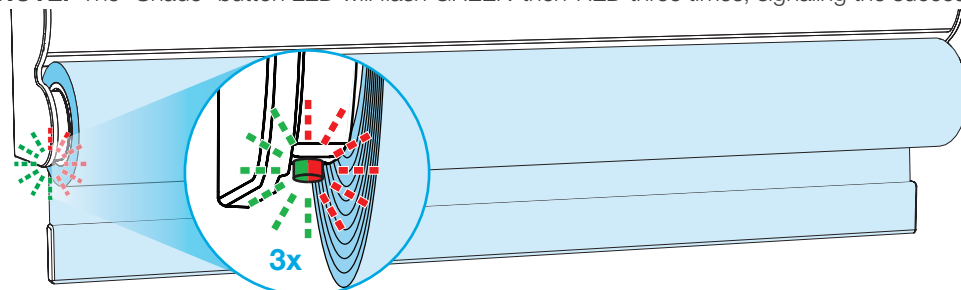
2 Continue to hold the "Shade" button until the button LED flashes green.

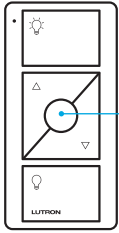


3 Release the "Shade" button, then immediately tap the button three more times.



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

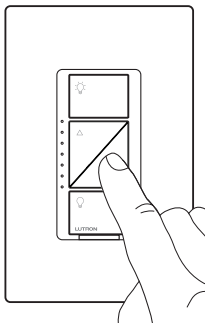




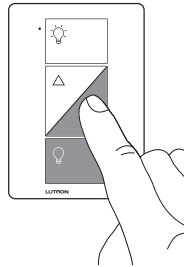
Favorite

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.

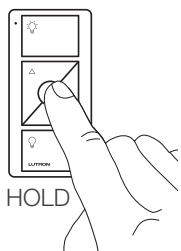
1 Set desired light level on a dimmer that has already been paired with a remote control



or



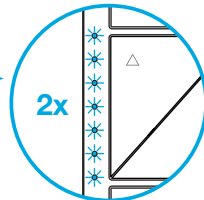
2 Save favorite light level



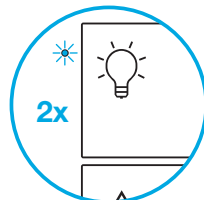
HOLD



UNTIL



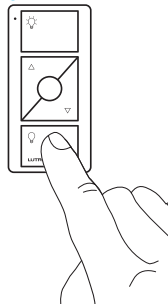
or



Dimmer LED(s)
flash(es) two times

3 Verify

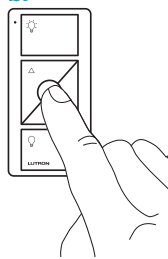
a.

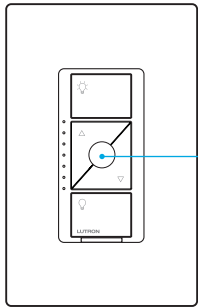


a. Tap "Off" button one time on remote control. Light will turn off.

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

b.

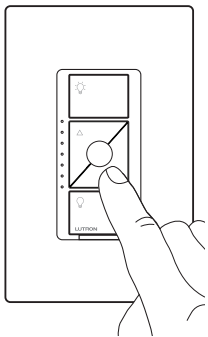




Favorite

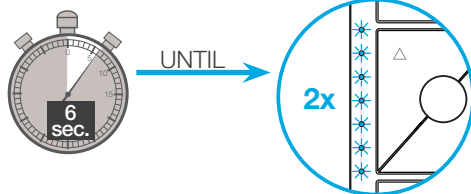
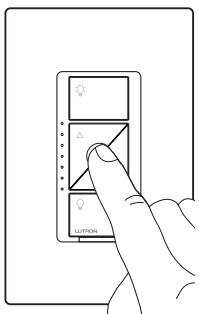
You can use the round "Favorite" button on the dimmer to recall a favorite light level. We've set it to 50%, but you can change it to any level you like.

1 Set the desired light level on the dimmer



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

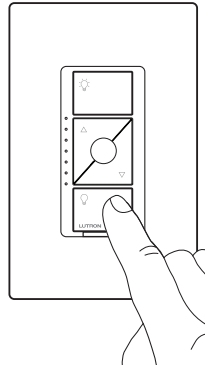
2 Save favorite light level



Hold the round "Favorite" button.

3 Verify

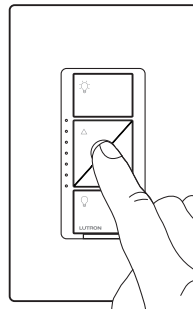
a.

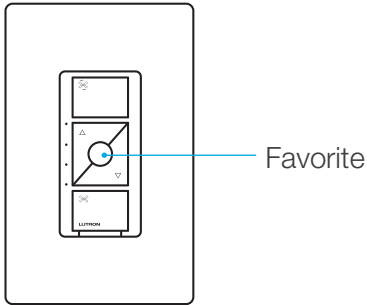


a. Tap "Off" button one time on dimmer control. Light will turn off.

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

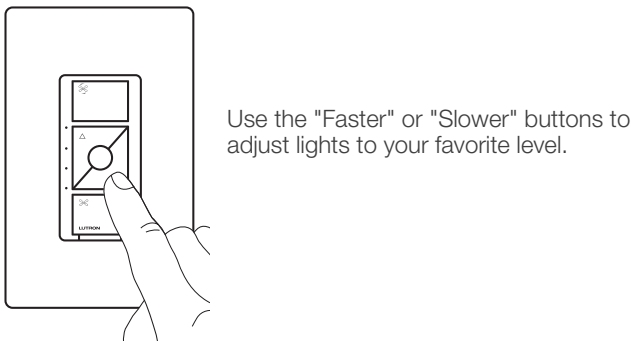
b.



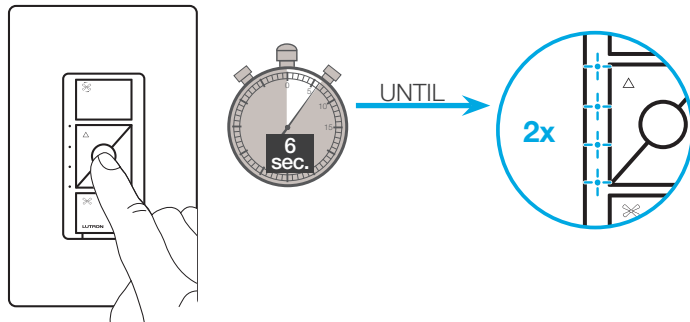


You can use the round "Favorite" button on the fan control to recall a favorite fan speed setting. We've set it to the medium fan speed, but you can change it to any level you like.

1 Set the desired fan speed on the fan control



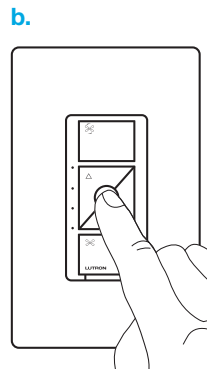
2 Save favorite fan speed



Hold the round "Favorite" button.

3 Verify

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



1 Identify load type



LED



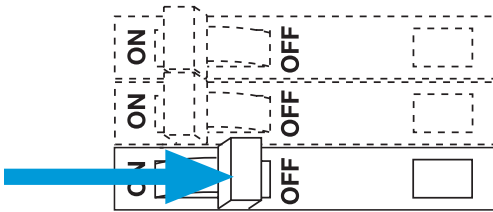
Fluorescent



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.

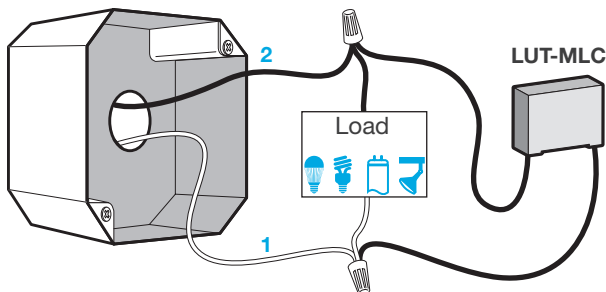
3 Choose installation location

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.

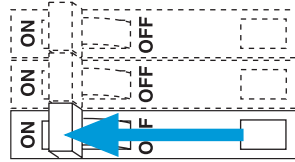
4 Installing the LUT-MLC in a load fixture or junction box

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.

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>In-wall 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>In-wall 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 in-wall switch is flashing or solid red color. • Light stays on when the in-wall switch is turned off. 	<p>In-wall 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.

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

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