

## Commercial Sunnata RF Local Controls

Sunnata RF local controls function much like standard dimmers, switches, and fan controls but can be controlled as part of a lighting control system. Local lighting controls are useful in locations where single circuits of lighting need to be dimmed or switched. Fan speed controls provide an option to control AC fans.

### Features

- Advanced features such as fade-on/fade-off, delayed long fade-to-off, and rapid full-on.
- Locator light to assist in locating the controls.
- The switch can be installed in single pole or multi-location applications (fan control and dimmer are single pole only). Sunnata companion switches must be used for multi-location control with Sunnata switches.
- Includes a Front Accessible Service Switch (FASS) for safe light bulb replacement.
- Use Lutron Designer (Claro gloss or satin finish) wallplates or designer-style wallplates from other manufacturers. Wallplates are sold separately. Lutron Claro wallplates snap on with no visible means of attachment. Available colors are in the Colors and Finishes section at the end of this document.
- Phase selectable (non-automatic) technology, allows for operation in either forward- or reverse-phase control.



*Dimmer*



*Switch*



*Companion Switch*



*Fan Control*

### System Compatibility

- Athena
- myRoom XC

Job Name:

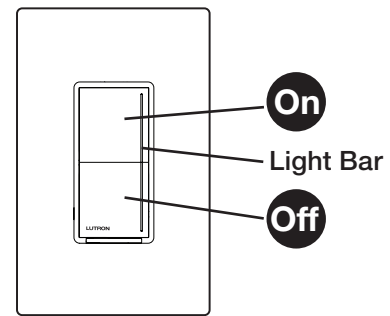
Model Numbers:

Job Number:

## Design Features

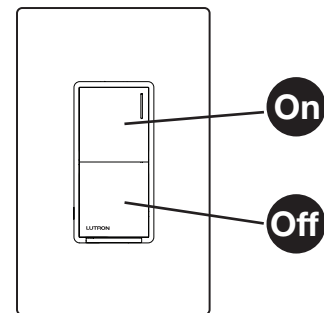
### Dimmer

- Pressing the top of the button, lights fade ON.
- Pressing the bottom of the button, lights fade OFF.
- Anytime - Double tap the top of the button, lights fade rapidly to full brightness.
- Pressing and holding the bottom of the button for more than 1 second - Delayed long fade to OFF (30 second delay).
- Light levels can be fine-tuned by touching your finger to the light bar and sliding your finger up or down until the desired light level is reached.
- Neutral is required.



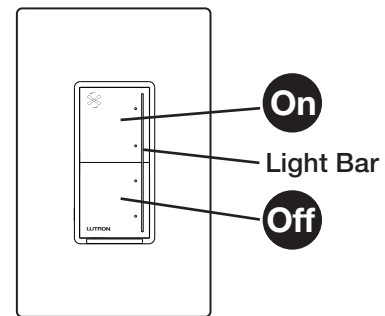
### Switch and Companion Switch

- Pressing the top of the button, lights or motors turn ON.
- Pressing the bottom of the button, lights or motors turn OFF.
- Neutral is required. (Switch only)
- Pressing and holding the bottom of the button for more than 1 second - Delayed Off (30 second delay).
- Do not use to control receptacles.



### Fan Controls

- Pressing the ON button, the fan goes to the previous speed. Pressing the OFF button turns the fan off.
- Double-tapping anytime, the fan goes to high speed.
- Fan speed can be adjusted by touching the light bar for one of the four speeds.
- Neutral is required.
- AC fan only.
- Use to control one paddle-type ceiling fan.
- Not for use with DC motor fans or fans with remote controls.
- Not for use with bathroom or kitchen exhaust-type fans.
- Not for use with Wi-Fi only fans.
- Not for use with lighting loads on a fan.



Job Name:	Model Numbers:
Job Number:	

## Model Numbers

### Dimmer

*LED/CFL/Incandescent/Halogen/MLV/ELV/(120 V~)*

ARST-PRO-N-XX      250 W (LED/CFL)\* or 500 W Incandescent/Halogen/ELV or 400 VA MLV Phase  
Selectable Neutral Dimmer

\* Go to [www.lutron.com/ledtool](http://www.lutron.com/ledtool) to see all compatible LED/CFL lamps.

### Switch

*Lighting and Motor Loads (120 V~)*

ARST-8ANS-XX      8 A Light, 1/4 HP 5.8 A Motor  
Neutral Wire Electronic Switch

### Fan Control

*Paddle-type Ceiling Fan (120 V~)*

ARST-ANF-XX      1.5 A max one (1) paddle-type AC ceiling fan only

### Companions (for multi-location installations)

ARST-RS-XX      Companion Switch (120 V~)

Companion dimmer is not available for use with ARST-PRO-N.

**Note:** "XX" in the model number represents color/finish code. See **Colors and Finishes** at end of document.

Job Name:	Model Numbers:
Job Number:	

## Specifications

<b>Model Numbers</b>	<b>Dimmer:</b> ARST-PRO-N <b>Switch:</b> ARST-8ANS <b>Companion Switch:</b> ARST-RS <b>Fan Control:</b> ARST-ANF
<b>Power</b>	<b>120 V~ 50/60 Hz:</b> -PRO-N, -8ANS, -RS, -ANF
<b>Typical Power Consumption</b>	<b>Dimmer/Switch/Fan:</b> 0.5 W <b>Companion Switch:</b> 0.2 W
<b>Regulatory Approvals</b>	ANATEL, cULus, NOM, FCC, IC, IFT (-ANF, -PRO-N, and -8ANS) cULus, NOM, FCC, IC (-RS)
<b>Environment</b>	Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% humidity, non-condensing. Indoor use only.
<b>Communications</b>	Dimmers and switches communicate with the system through Clear Connect-Type X Radio Frequency (RF) and must be located within 75 ft (22.8 m) of a centrally located commercial wireless processor/gateway. Each Sunnata device must have at least two other non-battery powered Clear Connect-Type X devices within 25 ft (7.6 m). Clear Connect-Type X devices include, for example, the commercial wireless processor/gateway, Sunnata dimmers, Sunnata switches, and Sunnata keypads. Companion switches are not Clear Connect-Type X devices, and are not required to be within a specific range of a commercial wireless processor/gateway. System devices operate on a frequency of 2.4 GHz.
<b>ESD Protection</b>	Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 61000-4-2.
<b>Surge Protection</b>	Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991 Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits.
<b>RTISS Equipped</b>	Circuitry compensates in real time for incoming line-voltage variations (-PRO-N only).
<b>Power Failure</b>	Power failure memory: Should power be interrupted, the control will return to its previous state when power is restored.
<b>Mounting</b>	Requires a U.S. wallbox. 3½ in (89 mm) deep recommended, 2¼ in (57 mm) deep minimum. For best wireless performance, use a metal wallbox when installing the product in a concrete or stone wall. ARST-ANF requires 2.5 in (63.5 mm) minimum depth.
<b>Wiring</b>	Use only companion switches (-RS) with switches (-8ANS). Up to four companion switches (-RS) may be connected to the switch. Total wire length may be up to 150 ft (45 m).
<b>Warranty</b>	<a href="http://www.lutron.com/commercial_Limited_Warranty">www.lutron.com/commercial_Limited_Warranty</a>

Job Name:

Model Numbers:

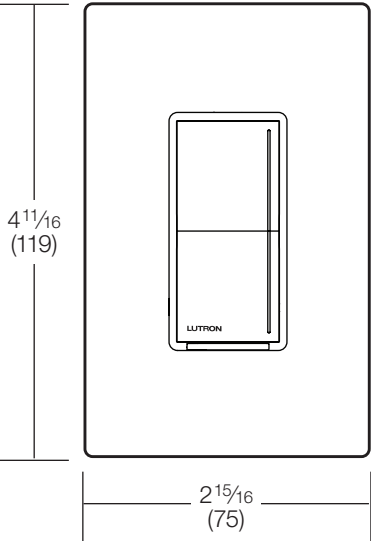
Job Number:

Dimensions

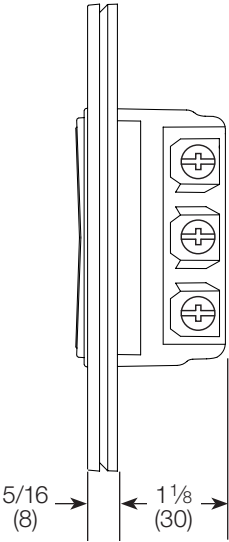
All dimensions are shown as: in (mm)

Dimmer/Switch

Front View

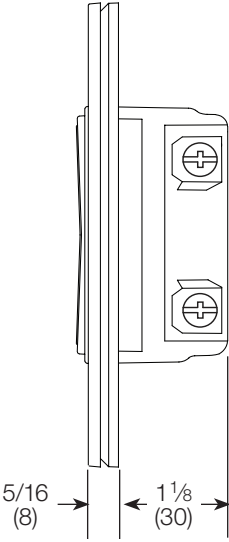


Side View



Companion Switch

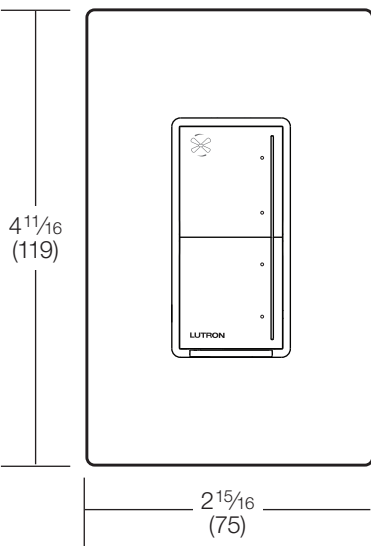
Side View



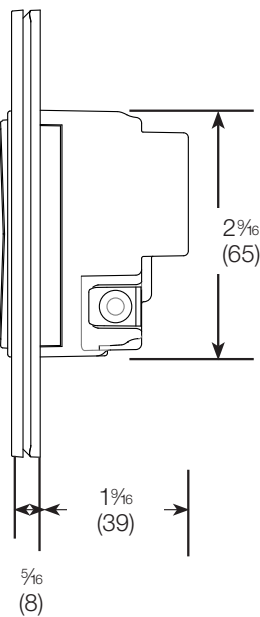
**Note:** ARST-PRO-, ARST-8ANS-, and ARST-RS- devices require a U.S. wallbox 2 1/4 in (63.5 mm) deep minimum.

Fan Control

Front View

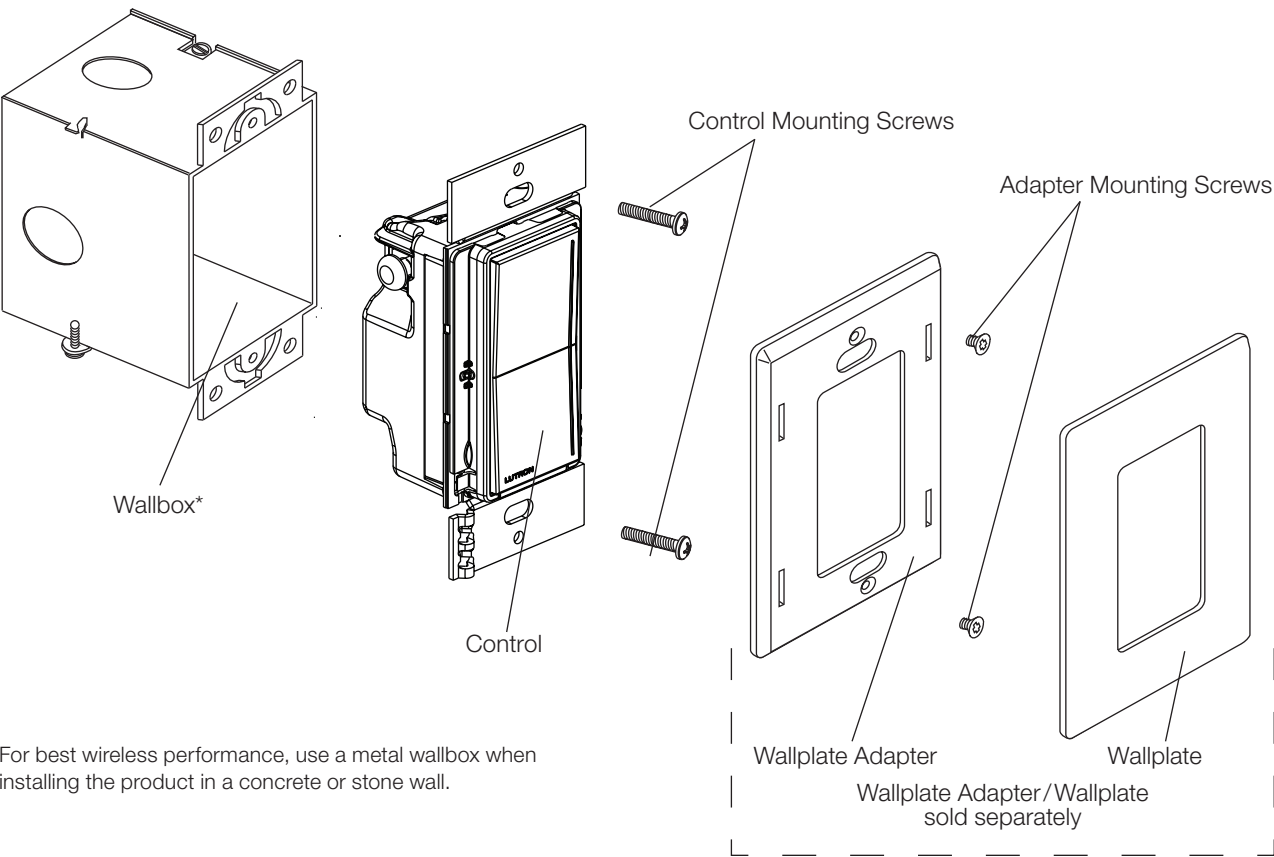


Side View


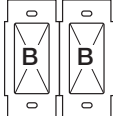
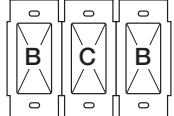


**Note:** ARST-ANF- requires a U.S. wallbox 2 1/2 in (64 mm) deep minimum.

Mounting and Parts Identification



## Load Type and Capacity

							
Load Type	Minimum Load	A Not Ganged	B End of Gang	C Middle of Gang	Neutral Connection	Required Phase Mode <sup>4</sup>	
<b>ARST-PRO-N<sup>2</sup></b>							
LED	1 bulb	250 W	200 W	150 W	Required <sup>1</sup>	Either	
MLV Transformer with LEDs <sup>5,6</sup>	See Application Note #559 (P/N 048559) at <a href="http://www.lutron.com">www.lutron.com</a> No Derating Required					Forward	
ELV Transformer with LEDs						Reverse	
MLV Transformer with Halogen <sup>5,6</sup>	10 W	400 VA (300 W)	No Derating Required			Forward	
ELV Transformer with Halogen	10 W	500 W	400 W	300 W		Reverse	
Incandescent/Halogen	10 W	500 W	400 W	300 W		Either	
Dimmable Fluorescent Ballast	1 ballast	3.3 A (400 VA)	No Derating Required			Forward	
Hi-lume 1% 2-wire (LTE) LED Driver	1 driver	3.3 A (400 W) 20 drivers max.	No Derating Required			Forward	
PHPM-PA/3F and GRX-TVI <sup>3</sup>	1 interface	3 interfaces	No Derating Required			Forward	
CFL	1 bulb	250 W	200 W	150 W		Forward	

<sup>1</sup> Neutral is required for all load types.

<sup>2</sup> Do not install dimmers to control receptacles or motor-operated appliances.

<sup>3</sup> Power Boosters/Load Interfaces: ARST-PRO-N can be used to control power boosters/load interfaces. For a list of compatible power boosters/load interfaces see **Compatible Power Boosters and Load Interfaces**, page 8.

<sup>4</sup> Phase mode default setting is reverse-phase.

<sup>5</sup> The total VA rating of the transformer(s) shall not exceed the VA rating of the dimmer. The VA rating of the transformer should be written on the nameplate label or determined by contacting the manufacturer. The maximum halogen lamp wattage is typically 70%-85% of the transformer's VA rating.

<sup>6</sup> MLV transformer loads powered by utility power and emergency backup generators should have a minimum 1 second delay between switching power sources. Rapid non-synchronous switching can cause the transformer(s) to draw high currents which would cause breakers to trip or the dimmers controlling them to trip a protection.


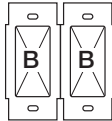
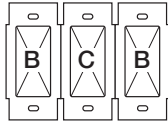
Continued on next page...

**LUTRON** SPECIFICATION SUBMITTAL

Page

Job Name:	Model Numbers:
Job Number:	

## Load Type and Capacity (continued)

					
Load Type	Minimum Load	A Not Ganged	B End of Gang	C Middle of Gang	Neutral Connection
ARST-8ANS <sup>1,2</sup>					
LED Lighting	1 bulb	8 A	6 A	4.5 A	Required
Other Lighting Sources	10 W/VA	8 A	6 A	4.5 A	
Motor	0.08 A	1/4 HP 5.8 A	1/4 HP 5.8 A	1/6 HP 4.4 A	
ARST-ANF <sup>3</sup>					
Paddle-Type Ceiling Fan	0.08 A	1.5 A, one fan	1.5 A, one fan	1.5 A, one fan	Required

**Note:** Do not install switches to control receptacles or or motor operated appliances with ratings above the motor ratings listed on this table.

<sup>1</sup> Power Boosters/Load Interfaces: -8ANS can be used to control power boosters/load interfaces. For a list of compatible power boosters/load interfaces see **Compatible Power Boosters and Load Interfaces**, below.

<sup>2</sup> Switch Load Type:

-8ANS: Designed for use with permanently installed 120 V~ incandescent, MLV, ELV, tungsten halogen, fluorescent, LED, CFL, or motor loads.

<sup>3</sup> Do not use to control DC motor fans, fans with remote controls, Wi-Fi only fans, lighting loads on a fan, or bathroom or kitchen exhaust-type fans.

## Compatible Power Boosters and Load Interfaces

Some local controls can be used to control power boosters or load interfaces. Up to three power boosters or load interfaces can be used with one control. See table below for a list of controls and compatible power boosters and load interfaces.


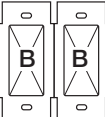
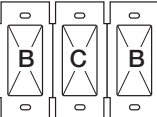
Control	Phase Adaptive Power Modules: PHPM-PA-120-WH; PHPM-PA-DV-WH	3-wire Fluorescent Power Modules: PHPM-3F-120-WH; PHPM-3F-DV-WH	Switched Power Module: PHPM-SW-DV-WH	0–10 V <sub>DC</sub> Interface and Switching Module: GRX-TVI
ARST-8ANS			✓	
ARST-PRO-N	✓	✓		✓

Note: All power module control input feeds are 120 V~ only.

Job Name:	Model Numbers:
Job Number:	



Example: If you have two dimmers ganged together and you have two 13 W LED bulbs installed (total LED Wattage = 26 W) on one dimmer, you may add up to 300 W of incandescent or halogen lighting to that one dimmer. Repeat the exercise for the other dimmer with which it is ganged.

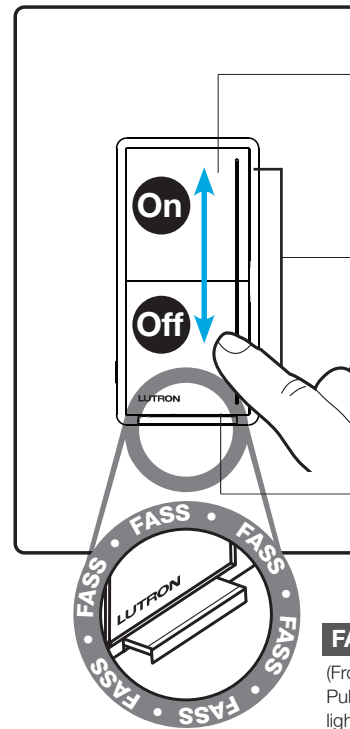
									
Total LED/CFL Wattage		Total Incandescent/Halogen Wattage							
		A Not Ganged		B End of Gang		C Middle of Gang		Neutral Connection	
ARST-PRO-N <sup>1</sup>									
0 W	+	10 W–500 W	Or	10 W–400 W	Or	10 W–300 W	Required		
1 W–50 W	+	0 W–400 W	Or	0 W–300 W	Or	0 W–200 W			
51 W–100 W	+	0 W–300 W	Or	0 W–200 W	Or	0 W–100 W			
101 W–150 W	+	0 W–200 W	Or	0 W–100 W	Or	0 W			
151 W–200 W	+	0 W–100 W	Or	0 W	Or	0 W			
201 W–250 W	+	0 W	Or	0 W	Or	0 W			

<sup>1</sup> Do not install dimmers to control receptacles or motor-operated appliances.

Job Name:	Model Numbers:
Job Number:	

Operation

Dimmer



**ON:**

- Default - Lights go to full brightness or programmed preset level
- See Sunnata Dimmer MyLevel Personalization Application Note #734 (P/N 048734) to change this behavior
- Anytime - Double tap to full brightness

**Adjust:**  
(Light Bar)

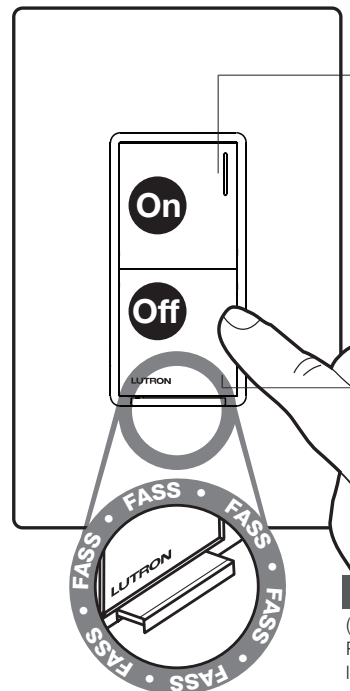
- Touch the light bar to set the lamps to desired level
- Slide to adjust the light level
- Will not turn lights off

**OFF:**

- Default - Lights go off
- Press and Hold for more than 1 second - Delayed long fade to off (30 second delay)

**FASS\***  
(Front Accessible Service Switch)  
Pull tab out to change the room's light bulb.

Switch



**ON:**

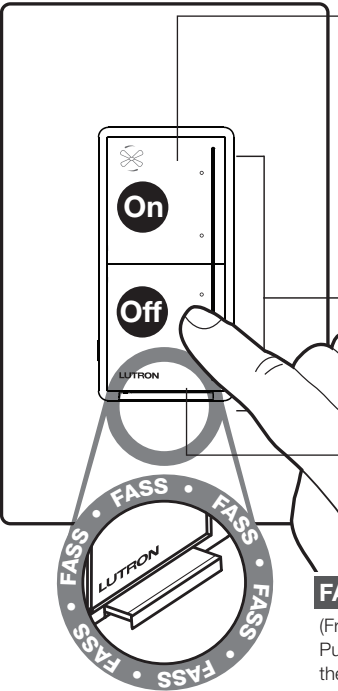
- Lights or load turns on
- See Sunnata Switch MyLevel Personalization Application Note #793 (P/N 048793) to change the appearance of the light bar

**OFF:**

- Lights or load turns off
- Press and hold for more than 1 second - Delayed Off (30 second delay)

**FASS\***  
(Front Accessible Service Switch)  
Pull tab out to change the room's light bulb.

Fan Control



**ON:**

- Default - Fan goes to previous fan speed
- See Sunnata Advanced Feature Mode Application Note #734 (P/N 048734) at [www.lutron.com/SunnataMyLevel](http://www.lutron.com/SunnataMyLevel) to change this behavior
- Anytime - Double tap to maximum speed

**Adjust:**  
(Light Bar)

- Touch light bar to set fan to any one of the 4 speeds (High, Medium-High, Medium and Low)

**OFF:**

- Fan turns off

**FASS\***  
(Front Accessible Service Switch)  
Pull tab out to service or clean the fan.

\* FASS switch is **ONLY** for changing light bulbs or cleaning fans in permanently wired fixtures. Changing wiring or installing dimmers/switches/companion devices requires turning off the breaker at the breaker panel.

Job Name:	Model Numbers:
Job Number:	

## MyLevel Personalization Advanced Features

Sunnata RF dimmers and switches contain Advanced Features that allow users to customize the control to meet their specific needs. For a detailed description of the features and uses, please refer to the Sunnata Dimmer/Fan Control MyLevel Personalization Application Note #734 (P/N 048734) or Sunnata Switch MyLevel Personalization Application Note #793 (P/N 048793) at [www.lutron.com](http://www.lutron.com). Before entering MyLevel, it is important to have a good understanding of the features. **Please note that these local AFM features described below will be disabled when the device(s) are commissioned into a system.** All AFM settings will then be based on the system programming. See **Additional MyLevel Features Available in System Programming** below.

### Dimmer

Available MyLevel Personalization Advanced Features	
Feature	Description
High-end trim	Select the maximum available light limit.
Low-end trim	Select the minimum available light limit.
Preset light level	Change the behavior of the device when the ON button is pressed from the OFF state to ON.
Light bar brightness	Select between high, medium, and low brightness of the control's light bar.
Light level indicator / locator light	Select between ON and OFF for the light bar when the lights are on (light level indicator) and when the lights are off (locator light). Default - ON/ON.
Phase select	Select the Phase mode in which the dimmer operates. Forward or Reverse (Default).
Restore factory default settings	Select to return dimmer to its original factory settings.

Additional MyLevel Features Available in System Programming	
Feature	Description
Fade On/Off rate	The rate at which the load turns ON and OFF from its previous state.
Delayed Long Fade To Off	Allows for control to delay the load from starting the dimming sequence. This setting delays the time between when the OFF button is pressed and the load begins the Fade to Off process.

### Switch

Available MyLevel Personalization Advanced Features	
Feature	Description
Light bar brightness	Select between high, medium, and low brightness of the control's light bar.
Light level indicator / locator light	Select between ON and OFF for the light bar when the lights are on (light level indicator) and when the lights are off (locator light). Default - ON/ON.

Additional MyLevel Features Available in System Programming	
Feature	Description
Delayed Off	Allows for control over how quickly/slowly the load turns off. This setting delays the time between when the OFF button is pressed (normal operation) and when the lights actually turn off.

Job Name:	Model Numbers:
Job Number:	

MyLevel Personalization Advanced Features (continued)

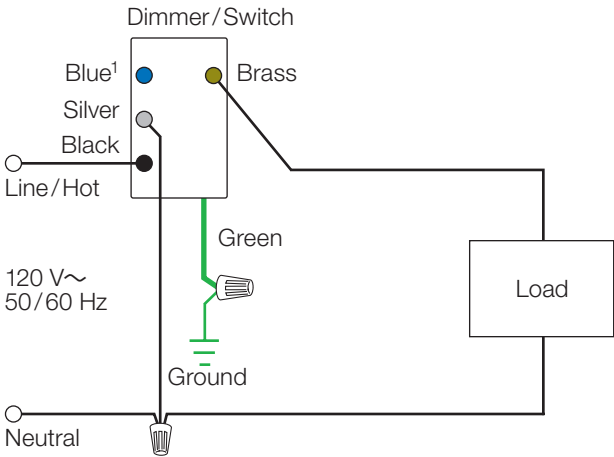
Fan Control

Available MyLevel Personalization Advanced Features	
Feature	Description
Preset fan speed	Change the behavior of the device when the ON button is pressed from the OFF state to ON.
Light bar brightness	Select between high, medium, and low brightness of the control's light bar.
Fan speed indicator/ locator light	Select between ON and OFF for the light bar when the fan is on (fan speed indicator) and when the fan is off (locator light). Default - ON/ON.

Wiring Diagrams

Wiring Diagram 1

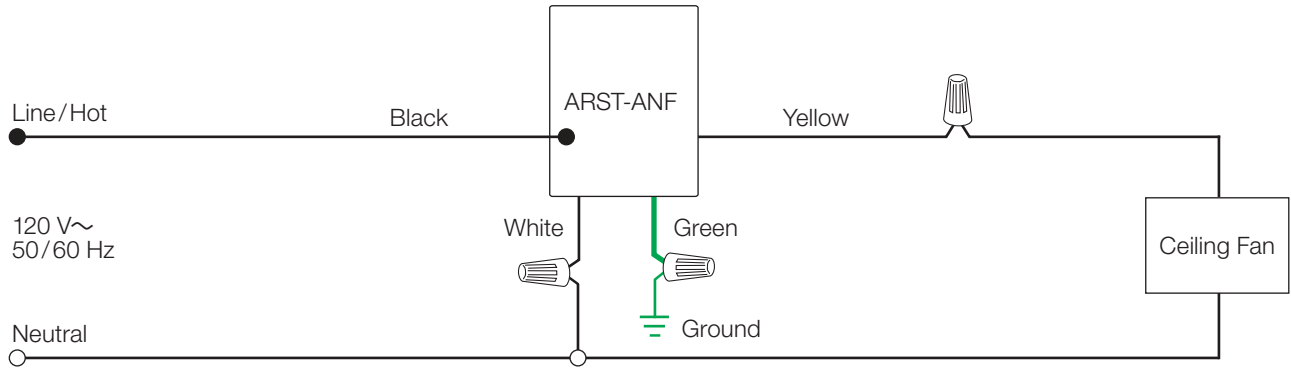
Single-Location Installation with required Neutral<sup>1</sup>  
-PRO-N, -8ANS



**Note:** Bolded lines in diagrams indicate leads on products.  
When using controls in single-location installations, blue terminal is a not connected.  
Do not connect the blue terminal to any other wiring or to ground.

Wiring Diagram 2

Single Pole Installation (load is controlled from 1 location): ARST-ANF



Continued on next page...

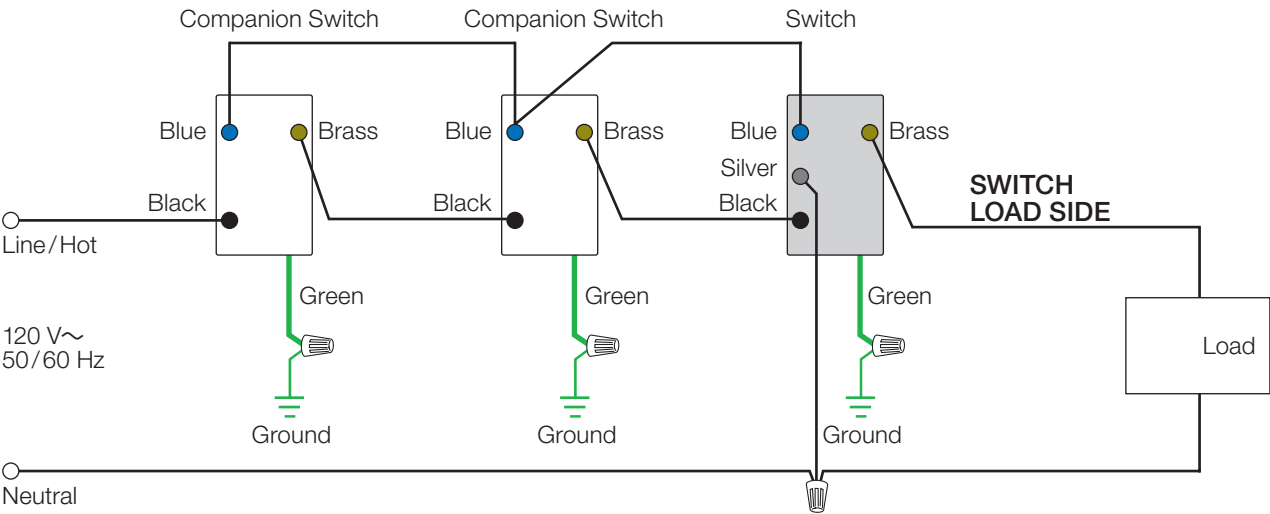
Wiring Diagrams (continued)

Wiring Diagram 3

Multi-Location Installation with required Neutral<sup>1</sup>

-8ANS with -RS

**Note:** Switch must be on the load side



**Note:** Bolded lines in diagrams indicate leads on products. Up to four companion switches may be connected to the switch. Total blue terminal wire length may be up to 150 ft (45 m). For multi-location control of a dimmer, a keypad (for example, ARST-W-) or a Pico wireless control can be used.

Important Note

**⚠ WARNING: Entrapment/Fire Hazard.** To avoid the risk of entrapment, serious injury, or death, these controls must not be used to control equipment which is not visible from every control location or which could create hazardous situations such as entrapment if operated accidentally. Examples of such equipment which must not be operated by these controls include (but are not limited to) motorized gates, industrial doors, space heaters, etc. It is the installer's responsibility to ensure that the equipment being controlled is visible from every control location and that only suitable equipment is connected to these controls. Failure to do so could result in serious injury or death.

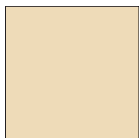
LUTRON SPECIFICATION SUBMITTAL		Page
Job Name:	Model Numbers:	
Job Number:		

## Colors and Finishes

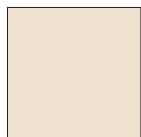
### Gloss Finishes



White  
WH



Ivory  
IV



Light Almond  
LA

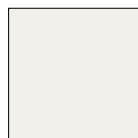


Black  
BL

### Satin Finishes



Brilliant White  
BW



Glacier White  
GL



Snow White  
SW



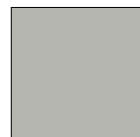
Architectural  
White  
RW



Lunar Gray  
LG



Mist  
MI



Pebble  
PB



Cobblestone  
CS

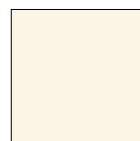
- Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.
- Color chip keychains are available for more precise color matching:  
Gloss Finishes: DG-CK-1  
Satin Finishes: SF-CK-1



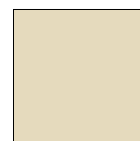
Slate  
SL



Midnight  
MN



Biscuit  
BI



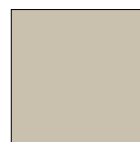
Sand  
SD



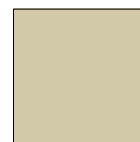
Taupe  
TP



Pumice  
PM



Clay  
CY



Sage  
SA



Espresso  
EP



Truffle  
TF



Deep Sea  
DE



Signal Red  
SR

\* Commercial Sunnata dimmer, fan control, switch, and companion switch are NOT field colorizable.

Lutron, Athena, Claro, Clear Connect, Hi-lume, MyLevel, myRoom, Sunnata, Pico, and any related trade dress and logos are trademarks or registered trademarks of Lutron Electronics Co., Inc. in the US and/or other countries.

All other product names, logos, and brands are property of their respective owners.

Job Name:

Model Numbers:

Job Number: