

# INSTALLATION INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS

## LIGHTOLIER® CONTROLS

## ASTRAL FAMILY OF DIMMERS

A600, A600LV, AP600, AP603, AP1000, AP1003,  
AP600LV, AP603LV, AP300QE, AP303QE, AWHIS

**CAUTION:** Before attempting any electrical work, disconnect power at circuit breaker or remove fuse to avoid electrical shock or damage to the control. It is recommended that an electrician perform this installation.

### Description

Astral slide dimmers are 600W-1000W, 120 Volt, 60 Hz designer-style vertical slide dimmers. Non-preset dimmers have a positive click off. Preset dimmers have an on/off rocker switch.

Astral dimmers may be used for many architectural lighting sources, such as incandescent, magnetic low-voltage and electronic low-voltage sources. Dimmer features include a captive slider knob, smooth-slide operations, full-range dimming control, and the ability to be used with standard, three-way switches.

Astral Fan Speed Control controls a single ceiling fan.

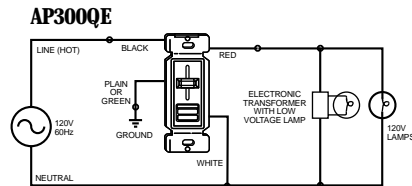
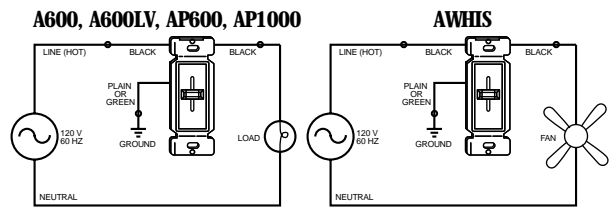
### Installation Notes

1. During operations, controls may feel warm to the touch.
2. A 25W minimum load is required for proper operation.
3. This control is intended for installation in a U.L.-listed metal or plastic (polymeric) outlet box.
4. Use incandescent models (A600, AP600, AP1000, AP603, AP1003) to control only permanently installed incandescent lamp fixtures.
5. Low-voltage (LV) dimmers should be used to control permanently installed, low-voltage fixtures that include individual built-in magnetic transformers. LV models can also be used with regular incandescent loads.
6. Use QE dimmers to control only low-voltage fixtures that have electronic, solid-state transformers and regular incandescent loads. A neutral connection is required.
7. Only one dimmer can be used in a three-way circuit.
8. Use WHIS Speed Control to control a permanently installed ceiling fan.

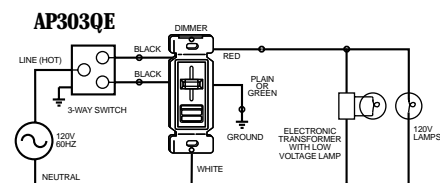
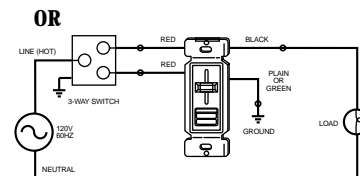
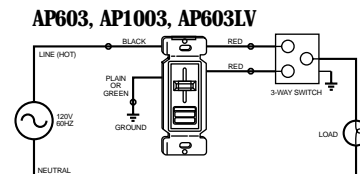
### Installation Instructions

1. Identify and mark each wire in the wall box, making sure you have the correct number of wires needed for the appropriate installation.
2. Before installation, disconnect power to the circuit by removing the fuse or turning the circuit breaker to the off position.
3. Unpack the Astral slide dimmer.
4. Remove the wallplate and switch mounting screws, then pull the existing switch from the wall box.
5. Disconnect the existing switch from the circuit.
6. Assuming no bare wires are exposed, use the wire connectors (provided) to connect the dimmer in the circuit, as shown in Figures 1 and 2.
7. Place the unit in the wall box and screw it into place using the mounting screws (provided).
8. Attach the wallplate (not included) and restore power to the circuit.

### Single Pole Wiring Diagrams



### Three-Way Wiring Diagrams



## Operating Instructions

### For non-preset dimmers:

1. Turn the unit on by sliding the slider up.
2. Slide the control knob up or down until the desired lighting level is reached.
3. To turn the unit off, push the slider knob all the way down until you feel it click off.

### For preset dimmers:

1. Push the rocker switch to turn the lights on to their preset intensity.
2. Slide the control knob up or down until the desired lighting level is reached.
3. To turn the lights off, push the rocker switch off.

### For fan speed control:

1. Push the rocker switch to turn on fan.
2. Slide the control knob up or down to change the preset speed.
3. To turn fan off, push rocker switch off.

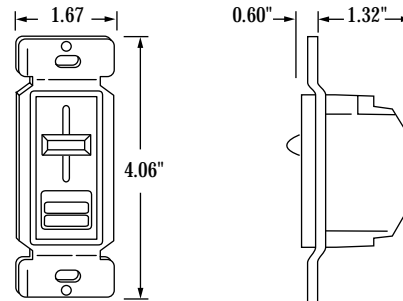
## Multi-Unit Ganging

When combining dimmers with other devices in a wall box, remove all fins as required prior to wiring. Then, reduce dimmer capacity according to the chart below.

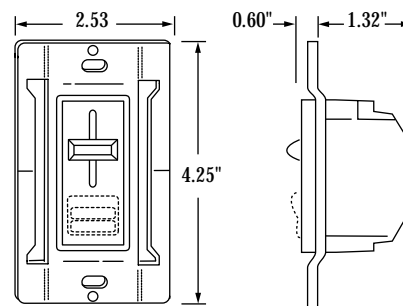
## Derating Table

Dimmer Load Rating	Single Gang (No Sides Removed)	Double Gang (1 Side Removed)	Multi-Gang (2 Sides Removed)
300QE	300VA maximum No sides to remove	300VA maximum No sides to remove	300VA maximum No sides to remove
600W	600W maximum No sides to remove	525W maximum No sides to remove	450W maximum No sides to remove
600LV	600VA maximum No sides to remove	525VA maximum No sides to remove	450VA maximum No sides to remove
1000W	1000W maximum	850W maximum	700W maximum
WHIS	1.5A (No sides to remove)	1.5A	1.5A

## Dimensions



600W



1000W

## 3 YEAR LIMITED WARRANTY

Lightolier Controls warrants that this product will be free from defects in workmanship or materials. This warranty is void on any electronic controls which have been overloaded, abused, improperly installed or altered in any manner. Lightolier Controls' sole obligation will be at its option to repair or replace any electronic controls product proven defective if it is returned postage-prepaid within three years of the date of shipment from Lightolier Controls to:

Lightolier Controls • 2413 S. Shiloh Road • Garland, Texas 75041

Lightolier Controls will not pay for any charge-back, or charge for labor on material that does not have its previous written approval. This warranty shall be in lieu of any other warranty — expressed or implied — including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. Some states do not allow limitations on how long an implied warranty lasts and do not allow the exclusion or limitation of incidental or consequential damages. Therefore, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Exchange of products covered by warranty should be handled through your original supply source.

This product may be covered by one or more of the following U.S. Patents: #4,413,211; 4,430,576; 4,465,956; 4,733,138; 4,792,731; 4,880,950; 4,988,840; 4,992,709; 5,128,654; 5,153,816; 5,189,259; 5,194,858; 5,371,439; 5,371,444; 5,636,111; 5,642,104; 5,646,490; Des. 307,578; Des. 333,124; License 4,482,844 and corresponding foreign patents. Other Utility, Design and Foreign Patents Pending.

We reserve the right to change details of design, materials and finish in any way that will not alter the installed appearance or reduce function performance.

**Lightolier® Controls**  
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