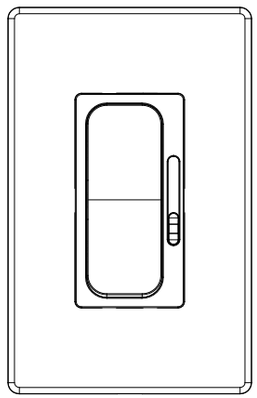
LUMINAIRE Galarneau

285x210mm

Installation Instructions for LED Dimmer Switch

Works with DIMMABLE LED, CFL, Incandescent and Halogen bulbs

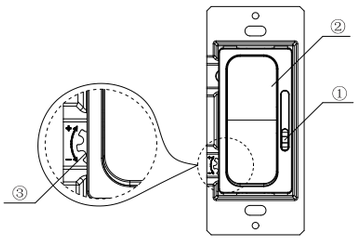


Model No.	DNA03AT1-600
Rated Voltage	120V~
Rated Frequency	60Hz
Rated Wattage	600W
Load Range	Incandescent:15W-600W
	LED / CFL:3W-200W
Working Environment	Temperature: 32°F-104°F
	Humidity: 10% R.H.- 90% R.H
Model Size	4.13X1.73X1.26inch (LXWXH)

⚠ WARNING AND CAUTION:

- Risk of fire and electrical shock, products should be installed in accordance with appropriate electrical codes and regulations.
- The product shall be used together with an upstream air-gap switch.
- Turn power OFF at circuit breaker or fuse and test if the power is OFF before installing.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- Reduce the risk of overheating and possible damage to other equipment by not installing the dimmer control to a receptacle, motor-operated appliance, or a transformer-supplied appliance.
- Use with compatible dimmable LED, CFL bulbs, Incandescent or Halogen bulbs only.
- When multiple bulbs are used with one dimmer DO NOT mix bulb types. All bulbs shall be either LED, CFL or Incandescent . Using the same model of each bulb will enhance the dimmer performance.

Instructions on Functional Parts



1 Control Lever Slider

- Move the lever slider up to increase the brightness and move down to decrease the brightness.

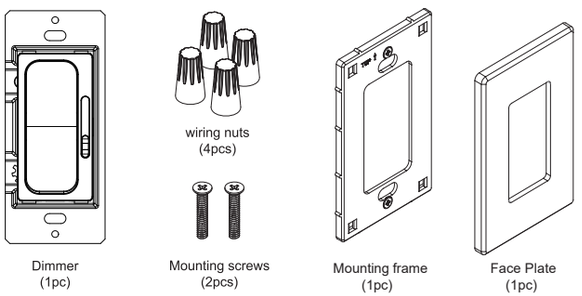
2 Rocker Switch

- To turn the power ON / OFF by pressing the rocker switch located in the center of the dimmer.

3 Adjustment Dial

- Turn the adjustment dial clockwise to increase the minimum brightness and turn the counter-clockwise to decrease the minimum brightness.
- Once the lower dimming level is set dimming range is set, ensure the bulbs turn on.The adjustment dial is designed to set the minimum brightness of the bulbs at the initial setup. See additional details in step 7.

Parts Information



Dimmer (1pc) | Mounting screws (2pcs) | Mounting frame (1pc) | Face Plate (1pc)

Tools Required for Installation

Φ3mm Slotted Screwdriver	Φ5mm Philips Screwdriver	Electrical Tape	Wire cutters
Pliers	Test Pencil	Ruler	

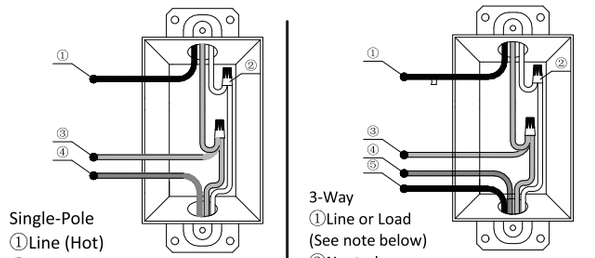
Installation and Testing

Step 1 ⚠ WARNING: To awoid fire and electrical shock,TURN OFF POWER at circuit brealker or fuse and test that power is off before wiring.

Step 2 REMOVAL: (This step is not required for new installations) Remove existing wall plate and replace mounting screws. Carefully remove switch from the wall box. Identify and tag the load wire with a marking as “line wire” or “ground wire” if necessary then remove them from the switch.

Step 3 Identifying the type of circuit

NOTE: If the wiring in the wall box does not resemble any of these configurations, consult an electrician.

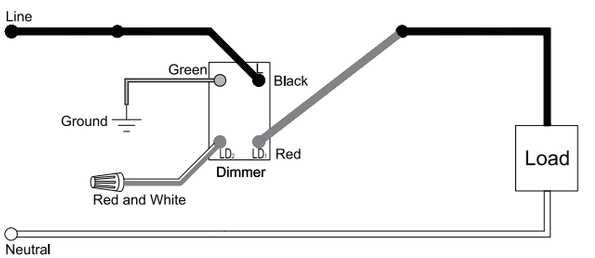


Single-Pole
①Line (Hot)
②Neutral
③Ground
④Load

3-Way
①Line or Load
(See note below)
②Neutral
③Ground
④Traveler 1
⑤Traveler 2

IMPORTANT: For 3-Way applications, note that one of the screw terminals from the old switch being removed will usually be a different color (Black) or labeled Common. Tag that wire with electrical tape and identify as the common (Line or Load) in both the dimmer wall box and 3-way wall box.

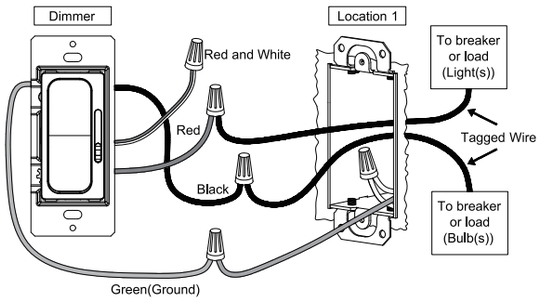
Step 4a Single-Pole Wiring Application:



Note: The red and white wires are only used for two-way control application connections. In single-way control application connections, screw on the insulating caps to protect them.

LUMINAIRE Galarneau

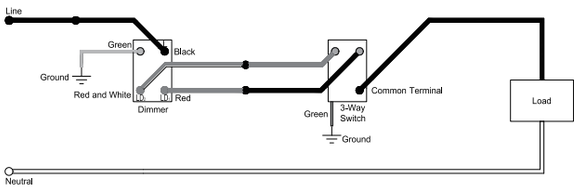
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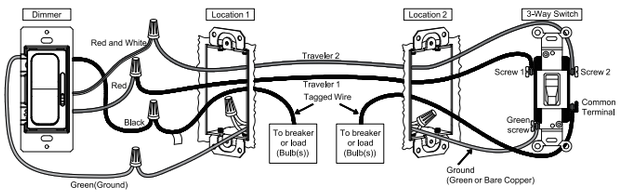
Location 1 wiring:

- Connect the green wire on the dimmer to the green or bare copper ground wire on the wall box , and tighten it with the wiring nut.
- Connect the black wire on the dimmer to the live wire of circuit breaker, and tighten it with the wiring nut.
- Connect the red wire on the dimmer to the load wire,and tighten it with the wiring nut.
- Screw the remaining red and white wire on the dimmer with the wiring nut to protect it.

Step 4b 3-Way Wiring Application:



IMPORTANT: In a 3-way circuit, only one dimmer can be used



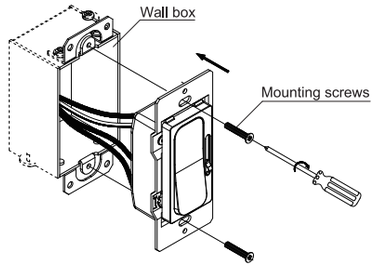
Location 1 wiring:

- Connect the green wire on the dimmer to the green or bare copper ground wire on the wall box , and tighten it with the wiring nut.
- Connect the black wire on the dimmer to the live wire of circuit breaker, and tighten it with the wiring nut.
- Connect the red and white wire on the dimmer to Traveler 2, and tighten it with wiring nut.
- Connect the red wire on the dimmer to Traveler 1, and tighten it with wiring nut.

Location 2 wiring:

- Connect the Traveler 1 to Screw 1 of the 3-way Switch.
- Connect the Traveler 2 to Screw 2 of the 3-way Switch.
- Connect the 3-way Switch's Common Terminal to the live wire of circuit breaker, and tighten it with wiring nut.

Step 5 Installing and Mounting the Dimmer



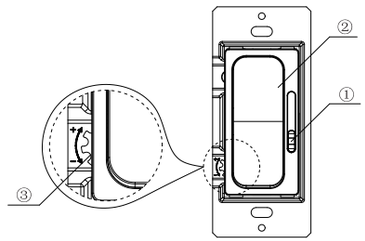
- Carefully position all wires inside the wall-box, leaving enough room to insert the dimmer housing. Put the dimmer inside the wall-box.
- Mount the dimmer securely inside the wall-box using the provided mounting screws.

Step 6 Turn Power On at the Circuit Breaker

- Turn power on at the circuit beaker or plug back in the fuse. Test your new dimmer to see if it is working properly.
- If the adjustment dial is set to the desired dimming range and brightness then proceed to step 8.

NOTE:
Dimmable LEDs may not dim as low as incandescent or halogen bulbs.Dimming range of dimmable LEDs can vary from manufacturer to manufacturer. If your bulbs do not dim to your satisfaction, especially the dimmer range and minimum brightness level,adjust the adjustment wheel of the dimmer can get desired lighting result (The product is designed with an adjustment wheel). For details see step 7.

Step 7 Testing

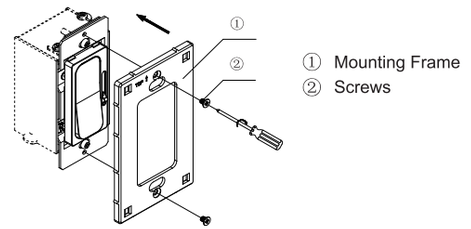


1. Move the control lever ① slider to 30-50% position, then turn the rocker switch ② ON to ensure the light is on.
2. Turn the adjustment dial ③ counter-clockwise (-) to the lowest desired brightness level to ensure the light output is stable and does not project a flicker or flash.
3. Turn the rocker switch ② OFF and wait one second then turn it back ON to verify the light does not flicker or flash.
4. If the light does not turn On or minor adjustments are required repeat step 2 and 3 above by turning the adjustment wheel ③ clockwise (+) to verify all bulbs turn ON and the desired brightness is set.
5. Once the above settings are complete, turn ON the rocker switch ② test the minimum brightness level of the dimming range.

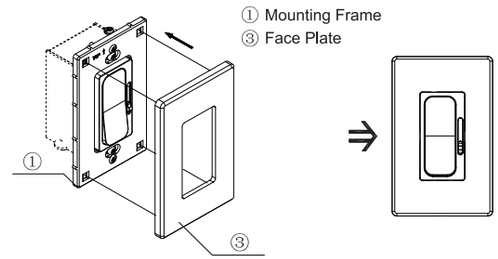
Step 8 Installing Wall Plate

Step 8a Screw-less plate

- Installing the mounting frame on the dimmer and tighten with the matched screws.

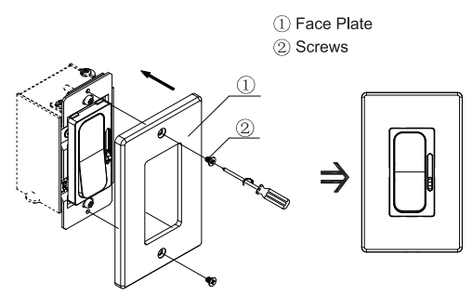


- Place the face plate ③ over the installed mounting frame and ① gently push it together to ensure it is tightly secured.



Step 8b Plate with screws

- Place the face plate ① over your installed dimmer and secure it using the screws ②.



Troubleshooting

Symptom	Possible Causes	Solution
Lights flickering	Lamp has a bad connection	Reconnect and fix the wires
LED and CFL flickers at low end of dimming range	Adjust the adjustment dial	See details on step 7
Light does not turn on	Circuit breaker has tripped	Turn power ON
	Fuse burn out	Change fuse
	Lamp burned out	Carefully inspect wires are connected correctly