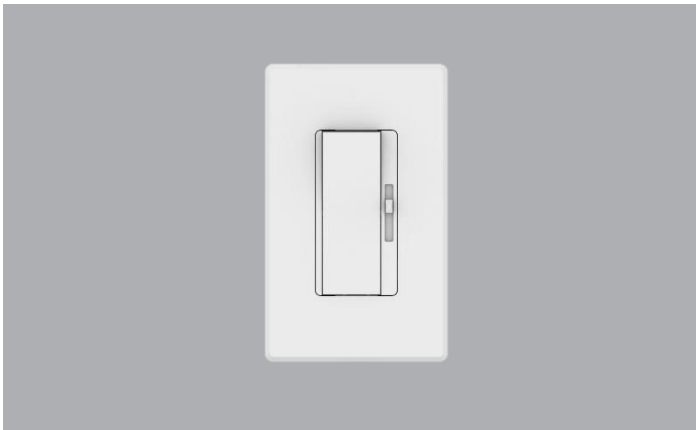




## LED Dimmer Switch



### Certification

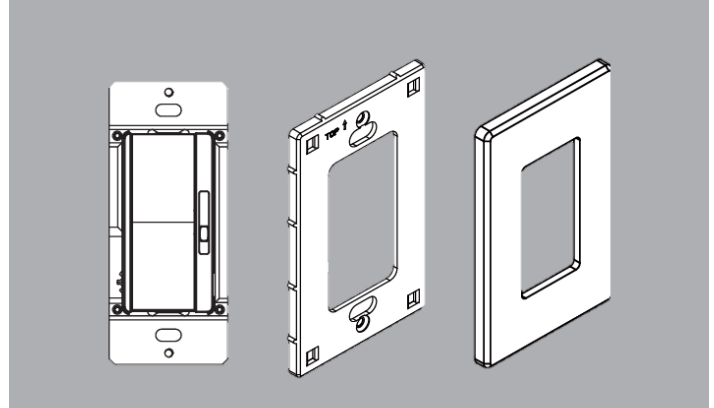


### Specifications

|                           |                                               |      |
|---------------------------|-----------------------------------------------|------|
| Model NO                  | ANA030F1-600-P<br>(White Wall Plate included) |      |
| Rated Voltage             | 120-277 V                                     |      |
| Rated Frequency           | 60 HZ                                         |      |
| Max Load                  | 600 VA                                        |      |
| Load Range<br>(Load Type) | 120V                                          | 277V |
| Load Range<br>(LED Lamp)  | 5A                                            | 2A   |
| Diming                    | 0-10V Dimming                                 |      |
| Switch Cycles             | 40,000+                                       |      |
| Power Supply              | Live Wire                                     |      |
| Installation              | In-wall                                       |      |
| Application               | Indoor Use Only                               |      |
| Certificate               | UL, ETL, RoHs                                 |      |
| Operating Temperature     | +32°F ~ +104°F / 0°C ~ +40°C                  |      |
| Operating Humidity        | 10% R.H. ~ 90% R.H.                           |      |
| Package Dimensions        | 19.2"x15.7"x10.7" / 487X398X276mm             |      |
| PC/Master Pack            | 100                                           |      |
| Weight                    | 27.34 LB / 12.40 KG                           |      |

### Function Table

| Function | operation | 3-way switch operation |
|----------|-----------|------------------------|
| ON/OFF   | YES       | YES                    |
| Dimming  | YES       | NO                     |



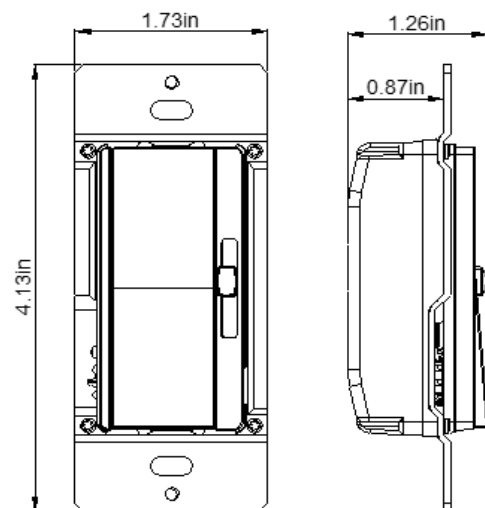
**Application:** Suitable for living rooms, apartments, hotels, hospitals, and other public areas.

### Description

The LED Dimmer Switch is designed for easy installation and reliable performance, offering smooth on/off and dimming control for a variety of lighting types. It is compatible with dimmable LED, halogen, and CFL bulbs and supports both single-pole and 3-way applications.

- **Direct Replacement:** Replaces standard wall switches; controls on/off via rocker and dimming via sliding handle.
- **Adjustable Settings:** Fine-tuning knob for minimum brightness and memory function for last setting at power-up.
- **Safe Operation:** Supports single-pole and 3-way wiring; built-in over-temperature protection for added safety.

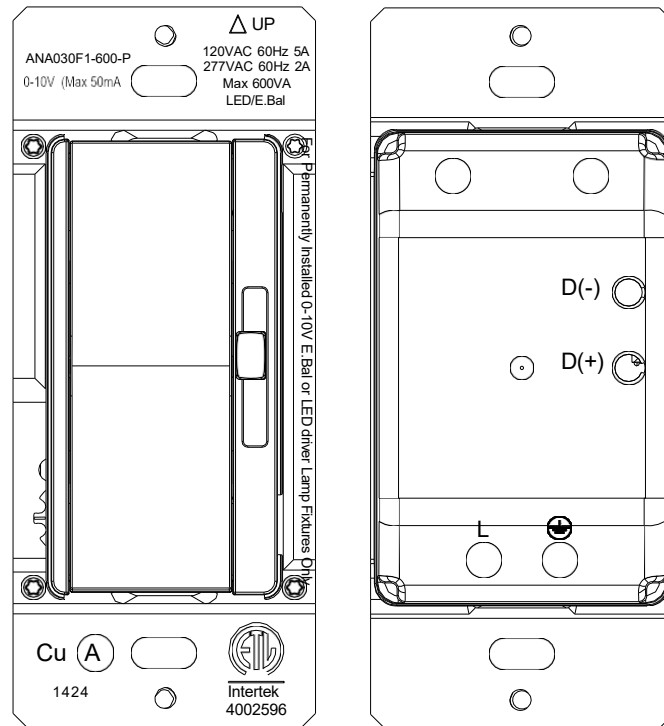
### Dimensions





## LED Dimmer Switch

### Product Label Information



### Installation Instructions

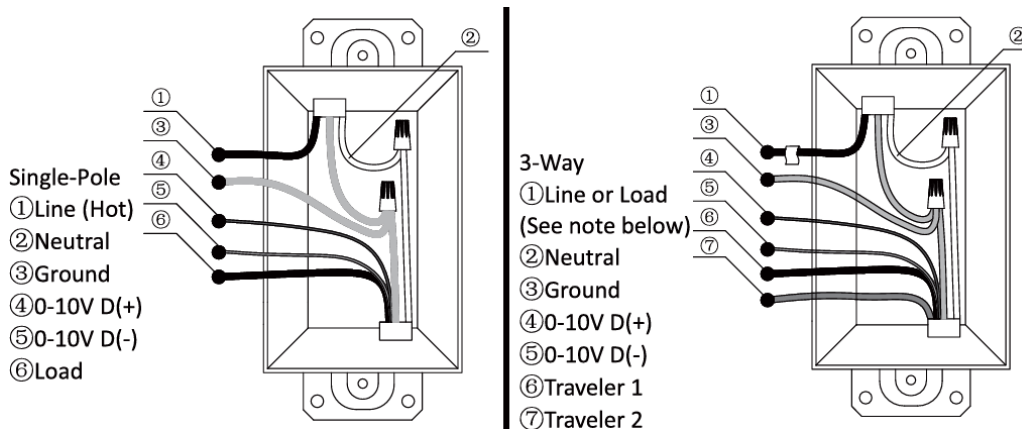
#### Step 1: Turn Off Power

Switch off the power at the breaker and test that the power is completely off before wiring.

#### Step 2: Remove Existing Switch (Not required for new installations)

- \* Unscrew and remove the old wall plate and switch.
- \* Pull the switch out of the wall box.
- \* Identify and disconnect the wires from the switch.

#### Step 3: Identify Wiring Type





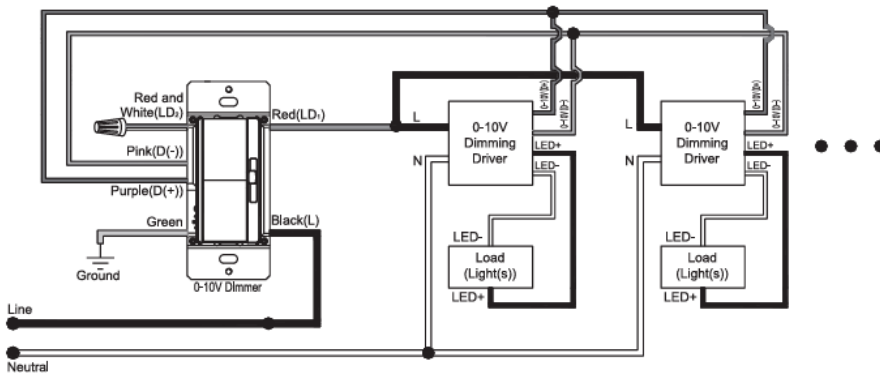
## LED Dimmer Switch

### Installation Instructions

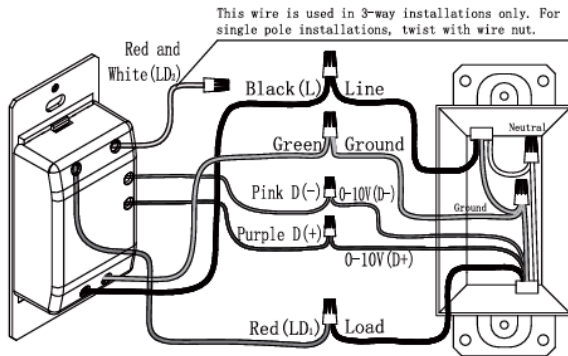
If replacing a 3-way switch, one wire is often marked “common” or has a different color (usually black). Mark it with electrical tape — this will be your **line (live)** or **load** wire for the dimmer.

#### Step 4: Wiring the Dimmer

##### 4.1 Single-Pole



Note: Red and white wires are not used for a single-pole. Cap them with wire nuts.



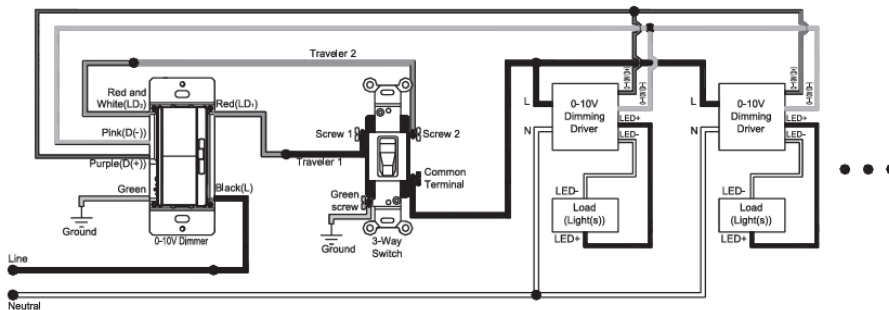
- **Green wire** → ground (green or bare copper)
- **Black wire** → line (live) wire
- **Red wire** → load wire (to light)
- **Purple wire** → 0–10V D(+)
- **Pink wire** → 0–10V D(-)

Caution:

- \* Keep power wires and 0–10V wires in separate conduits.
- \* Connecting power to 0–10V lines can damage the dimmer.

##### 4.2 3-Way

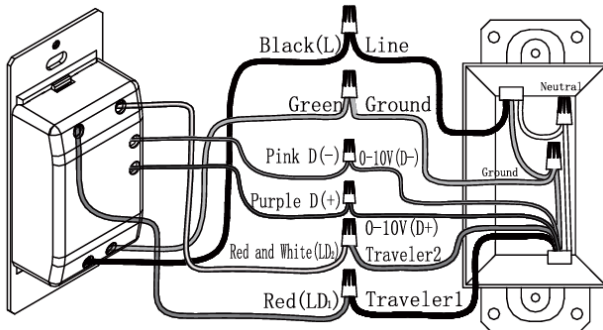
Note: Only one dimmer can be used in a 3-way setup.





## LED Dimmer Switch

### Installation Instructions

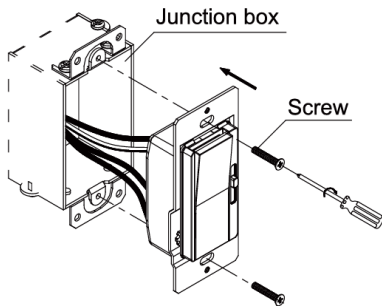


- Green wire → ground
- Black wire → line (live) wire
- Red wire → traveler 1/travel 2
- Red & white wire → traveler 2
- Purple wire → 0–10V D(+)
- Pink wire → 0–10V D(-)

#### Cautions:

- \* Separate 0–10V control lines from power wires.
- \* Connecting power wires to 0–10V control lines may damage the dimmer.

#### Step 5: Install the Dimmer



- Tuck the wires neatly into the wall box.
- Mount the dimmer using the included screws

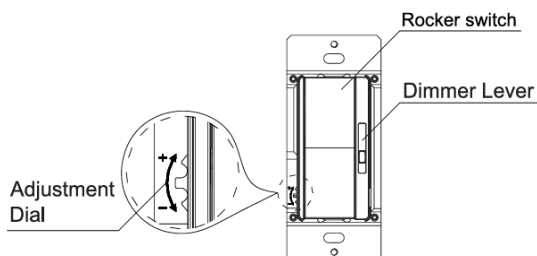
#### Step 6: Turn On Power

- Restore power at the breaker.
- Test the dimmer to check brightness and dimming range.

#### Note:

- \*If the dimming range isn't ideal, go to Step 7.

#### Step 7: Testing



- Set the dimmer to 30–50% and turn on the light.
- Slide the dimmer to the lowest level.



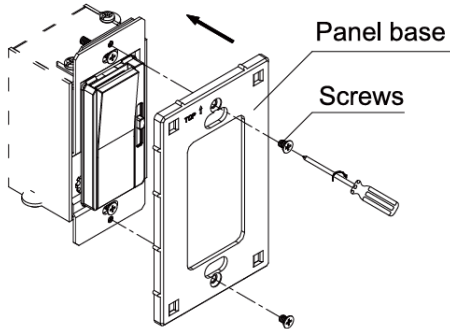
## LED Dimmer Switch

### Installation Instructions

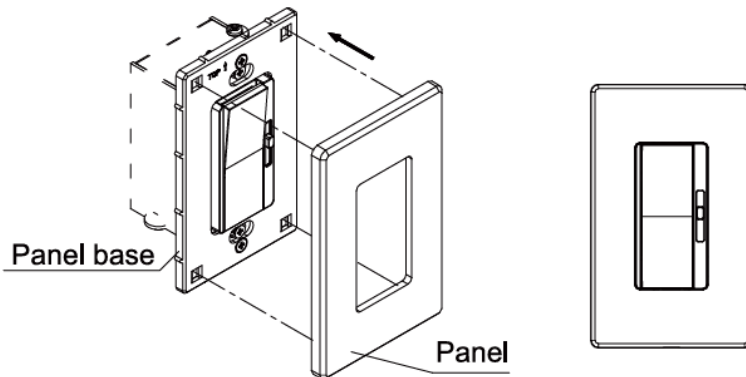
- Use the adjustment dial (turn “-”) to reduce brightness until lights stay on without flickering.
- Turn the switch off, wait 1 sec, turn back on.
- If lights don’t turn on, turn the dial slightly “+” and repeat.

#### Step 8: Install Wall Plate

- Attach the panel base with screws.



- Snap the panel onto the base until it fits snugly.



### Warning and Cautions

- Install in accordance with local electrical codes and safety regulations to avoid risk of fire or electric shock.
- Use this product with an upstream air-gap switch.
- Always turn off power at the circuit breaker or fuse and confirm power is off before installation.
- After installation, set the minimum brightness level to ensure the lights turn on properly and achieve the widest dimming range.
- If unsure about any part of the installation, consult a licensed electrician.
- Do not use this dimmer to control outlets, motors, or transformer-operated devices, as this may cause overheating or damage.
- This dimmer is only compatible with 0–10V dimmable power supplies or fixtures.
- When connecting to multiple 0–10V devices, use the same model of dimmable drivers or fixtures to ensure optimal dimming performance. Do not mix different models.