

# Dimmers

ENERLITES Dimmers optimize system task lighting in residential and commercial environments. A wide range of incandescent, fluorescent, and magnetic low-voltage dimming control products are available from ENERLITES. These products offer personal point of control and allow users to create the perfect ambience.

ENERLITES In-wall dimmers come in a wide variety of models:

- Traditional Slide Dimmers
- Traditional Rotary Dimmers
- Decorator Dimmers

In addition to providing precise and dependable illumination settings, dimmers also help conserve energy wherever they are installed.

By turning lighting on and off rapidly, dimmers reduce the energy consumption and increase the bulb's life. Dimming your lights by a quarter increases your savings by approximately 20 percent. Dimming your lights by half increases your savings by approximately 40 percent! Lamp life is also extended up to 20 times when it is dimmed by half of its rated wattage.

### ENERLITES Dimmers Save Energy

Dimming The Lights	Saves Electricity	Makes Incandescent Bulbs Last Longer
10%	10%	2 times longer
25%	20%	4 times longer
50%	40%	20 times longer
75%	60%	>20 times longer

\*Numbers are approximate

### Multigang Installation Maximum Allowable Incandescent Wattage

Dimmer Style	Dimmer Rating	No Sides Removed	1 Side Removed	2 Sides Removed
Rotary	600 W	600 W max.	500 W max.	400 W max.
Slide	700 W	700 W max.	600 W max.	500 W max.
Decorator	600 W	600 W max.	500 W max.	400 W max.

## Slide Dimmers

### Features:

- Tough impact-resistant thermoplastic housing
- Smooth-action slide control for easy precise operation
- Broad product offering to meet a wide variety of applications
- Provide single-pole (one-location) or three-way (two-location) control when used with three-way switch
- Longer mounting strap for more rigid installation, eliminate "floating"
- Various colors available

- Full-range dimming, lighting fades up, and down smoothly allowing your eyes to adjust to changing light levels
- Two years warranty

### Testing & Code Compliance:

- UL Listed
- ISO9001 Registered Manufacturing Facility

### Incandescent Control

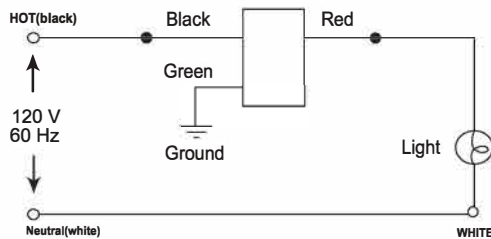
Rated at 120 VAC, 60 Hz Unless Otherwise Noted

DESCRIPTION	CAT. NO.	RATING	COLOR
Single Pole	17005	300 W (each dimmer)	Ivory, White
Three-Way	50300	700 W	Almond, Ivory, Light Almond, White
Three-Way, Back Light	50301	700 W	Almond, Ivory, Light Almond, White
Three-Way, Switch	50302	700 W	Almond, Ivory, Light Almond, White
Three-Way, Switch & Back Light	50321	700 W	Almond, Ivory, Light Almond, White

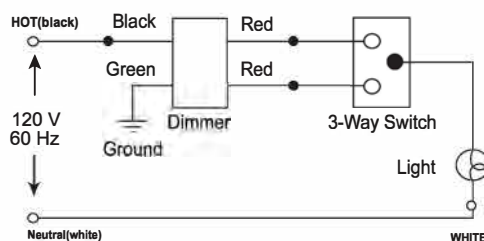


### Wiring Diagram

Single-Pole Wiring:



Three-Way Wiring:



# INSTALLATION INSTRUCTIONS

## Incandescent / Halogen 120V Dimmer

- 700W slide dimmer,
- 600W touch dimmer,
- 600W decorator dimmer,
- 600W rotary dimmer,
- 600W toggle dimmer

(Single Pole or 3-Way)

### SPECIFICATION

Voltage .....	120VAC, 60Hz
Incandescent/Halogen	
Slide Dimmer .....	700W
Touch Dimmer .....	600W
Decorator Dimmer .....	600W
Rotary Dimmer .....	600W
Toggle Dimmer .....	600W
Minimum Load .....	40W
Operating Temperature .....	32°F-104°F

### FEATURES

- Replace current light switch with existing wiring to dim the light to the desired level.
- Provide wider dimming range up to 600/700 W incandescent and halogen bulbs.
- Suitable for multi-gang installations.
- Back-light model option for advanced night light feature.
- 3-way model available can be with three way switch (only one dimmer per three way switch system).

### DESCRIPTION

Incandescent/Halogen dimmer can be used with all kinds of incandescent or halogen fixtures in 120 Volt. Our dimmers are perfect to create the right ambiance within a room.

### CAUTION – RISK OF ELECTRIC SHOCK

1. Turn off breaker prior to installing the dimmer.
2. All wiring must be in accordance with all applicable National (NEC/CEC), state, and local codes.
3. Only one dimmer can be used in a 3-way circuit.
4. Use copper wires only.
5. For incandescent/halogen loads only.
6. Contact a professional electrician for further installation questions.

### MULTIGANG INSTALLATIONS

In multi-gang installation for more than one dimmer, it might be required to remove inner side sections between dimmer and other controllers. Removal of the side tab of dimmer could decrease the the maximum load capacity. Refer to chart below for maximum capacity per dimmer

### Dimmer Capacity Chart

Dimmer Style	Dimmer Rating	No side removed	1 side removed	2 sides removed
Slide	700 W	700 W	600 W	500 W
Touch	600 W	600 W	500 W	400 W
Decorator	600 W	600 W	500 W	400 W
Rotary	600 W	600 W	500 W	400 W
Toggle	600 W	600 W	500 W	400 W

### INSTALLATION

The dimmer can be used by itself for 2-way control (one switch & one load), or with one 3-way switch for 3-way control (two switches & one load). When wiring a 3-way switch circuit, the power can be switched on/off and controlled the load (a light, ceiling fan, etc.) from 2 different locations.

1. Remove previous switch and wallplates.
2. Connect the lead wires according to the wiring diagrams (see Figure 1, 2)

### WIRING DIAGRAM

#### Single-Pole Wiring

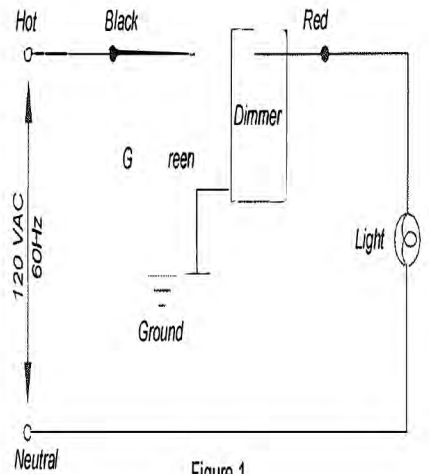


Figure 1

#### 3-Way Wiring

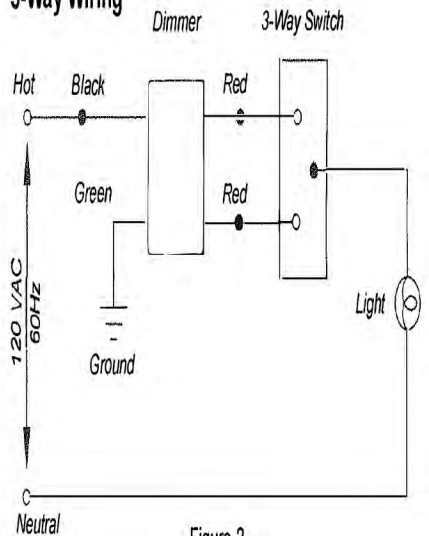


Figure 2

3. Gently position wires in wall box. Attach the dimmer to the box.
4. Mount device "TOP" up.
5. Restore power at the circuit breaker or fuse.
6. Activate switch and slide the dimmer to dim loads.

### WARRANTY

If this product fails within 2 years from the date of purchase due to a defect in material or workmanship, we will repair or exchange it, free of charge. There are no obligations or liabilities on the part of our company for consequential damage arising out of or in connection with the use or performance of this product or other indirect damages with respect to loss of property, revenue, product, or cost of removal installation or reinstallation.