The Wall Switch Dimmer (Model WS1) is an integral part of a complete PulseWorx® Lighting Control System. The WS1 will accept commands over the powerline from UPB® compatible transmitters such as our award winning Keypad Controllers, Touchscreens, Timed Event Controller, and all other Wall Switch Dimmer devices.

This feature rich line of dimmers control a variety of loads including incandescent, fluorescent, inductive, electronic and magnetic low voltage. The WS1 operates as a switch or a dimmer depending on its configuration while offering the most complete set of wattage variations from 600 to 2400W on the market today.

Three-way and multi-way light switch functionality can be obtained by connecting one or more RWS remote switches (sold separately) to the yellow traveler wire.

By tapping the WS1 paddle style rocker switch will turn on or off the lights. Holding the switch down will fade the lights up or down. Separate light levels (anywhere between 0% and 100%) can be chosen for single-tap and double-tap events. The sixteen selectable, fade rates – from instant on to one hour – gives you the ultimate flexibility in design.

The dimmers may be a member of 16 individual scenes with 250 different scenes available per system. The capability to store a specific pre-set on level and fade rate for each scene enables you to experience the elegance of a sophisticated system at a fraction of the cost.

A fully configurable multi-color, Blue, Magenta, Red or Off, LED on top of the rocker enables visibility in the dark, or following the on/off state and acting as a powerline signal indicator.

This WS1 dimmer is also a two-button transmitter. A list of multiple commands can be transmitted as each rocker button (top or bottom) is tapped, held or released. This allows the WS1 to remotely control other devices or update indicators (LEDs on keypads).

Like all PulseWorx devices, the WS1’s are pre-programmed to be a member of seven standard scenes, 100, 80, 60, 40, 20, 0 and Blink. Each pre-set level is easily adjustable using the innovative PulseWorx manual programming. Advanced configuration capabilities are available using PCS’s free UPStart Setup Software. UPStart enables configuration parameters such as Network Name, Network ID, Unit ID, Room name, Device name, default on light levels, fade rates for each scene, LED colors, dimming disable, auto shut-off timer and receive sensitivity etc. UPStart, will also test the operation and communication strength of each device. UPStart has the option to configure an entire network off-line and then download the information into the devices after installation.

Available in seven different colors, white, light almond, almond, ivory, brown, black and grey matches a variety of decor and interior designs.

All PCS products are completely, USA manufactured and carry a five-year limited warranty along with a one-year money back guarantee for Certified Integrators.
**Ordering Information**

- **Part Number**
  - WS1D-6-X (600W Dimmer)
  - WS1D-10-X (1000W Dimmer)
  - WS1D-15-X (1500W Dimmer)
  - WS1D-24-X (2400W Dimmer)
  - WS1E-3-X (300VA Electronic LV)
  - WS1E-5-X (500VA Electronic LV)
  - RWS-S-X (Remote Switch)

  X (color) = White (W), Light Almond (LA), Almond (A), Ivory (I), Black (B), Brown (BR), Gray (G))

  WS1D15/25 & WS1E 3/5 only available in White or Ivory

**Installation**

- **Pre-Wire**
  Pull power wiring to include line and neutral and load. Run two #14 or #12 wires to each remote slave switch location. RWS requires no neutral.

- **Mounting**
  Install dimmer and remote wall switch with standard wall switch hardware and Decora-style coverplate.

  Optional Screwless Wall Switch Cover Plates snap on with no visible means of attachment are a must for a truely sleek design.

**Dimensions**

- **WS1D-6**
  - 4.25" H x 1.7" W x 1.37" D
  - Triac Current: 25A
  - Connections: 16 AWG Wire
  - Dimensions: 4.25 X 1.7 X 1.37 in
  - Weight: 4.4 oz.
  - Input Power: 120 VAC 60 ± 3Hz
  - Operating Temp: 0 F to 104 F
  - Operating Humidity: 0-80% Non Condensing
  - Min Load: 60 W

- **WS1D-10**
  - 4.25" H x 2.5" W x 1.37" D
  - Triac Current: 30A
  - Connections: 16 AWG Wire
  - Dimensions: 4.25 X 2.5 X 1.37 in
  - Weight: 4.8 oz.

- **WS1D-15**
  - 4.68" H x 2.75" W x 1.25" D
  - Triac Current: 40A
  - Connections: 16 AWG Wire
  - Dimensions: 4.68 X 2.75 X 1.25 in
  - Weight: 5.5 oz.

- **WS1D-24**
  - 4.68" H x 4.50" W x 1.25" D
  - Triac Current: 40A
  - Connections: 12 AWG Wire
  - Dimensions: 4.68 X 4.5 X 1.25 in
  - Weight: 7.6 oz.

- **WS1E3/5**
  - Dimensions: 4.25 X 2.5 X 1.37 in
  - Weight: 3.09 oz / 4.9 oz

**Wiring Diagram**

- **Single Pole**
  - Yellow: Load
  - Grey: Neutral
  - Black: Ground
  - White: Line

- **3-Way/Multi-Location**
  - Red: Load
  - Black: Neutral
  - Grey: Ground

**Additional Information**

- **Colors**
- **Warranty**
  Five-Year Limited Warranty
- **UL Listing**
  Meets UL 1472, UL 508

---

**Model** | **WS1D-6** | **WS1D-10** | **WS1D-15** | **WS1D-24** | **WS1E3/5**
---|---|---|---|---|---
Max Total Load | 600W/5.0A/450VA | 1000W/8.0A/750VA | 1500W/12.5A/1200VA | 2400W/20A/1200VA | 3000W/500VA
1 Side Removed | NA | 800W/6.4A/600VA | 800W/6.4A/600VA | 1600W/13.3A/1200VA | NA/300VA
2 Sides Removed | NA | 600W/4.8A/450VA | 700W/5.8A/525VA | 1400W/11.7A/1050VA | NA/NA
Triac Current | 25A | 30A | 30A | 30A | 40A
Connections | 16 AWG Wire | 16 AWG Wire | 16 AWG Wire | 12 AWG Wire | 16 AWG Wire
Dimensions | 4.25 X 1.7 X 1.37 in | 4.25 X 2.5 X 1.37 in | 4.68 X 2.75 X 1.25 in | 4.68 X 4.5 X 1.25 in | 4.25 X 2.5 X 1.37 in
Weight | 4.4 oz. | 4.8 oz. | 5.5 oz. | 7.6 oz. | 3.09 oz / 4.9 oz
Input Power | 120 VAC 60 ± 3Hz |
Operating Temp | 0 F to 104 F |
Operating Humidity | 0-80% Non Condensing |
Min Load | 60 W |
Mounting | Standard J box |