Simply *Brilliant*®

Dual Dimmer-Controller

Dual (550W x 2) Load Switch Base
with Universal Faceplate Options

Advantages

- **No new wires**
  - ► Communicates over existing power lines
  - ► Transmits and receives UPB lighting scenes

- **UPB technology delivers...**
  - ► Exceptional reliability and noise immunity
  - ► Lowest installed cost compared to hardwired and RF solutions
  - ► No interference between adjacent homes

- **Easily configured or reconfigured with UPStart (PC) software**
  - ► makes changing lighting scenes and control quick and easy
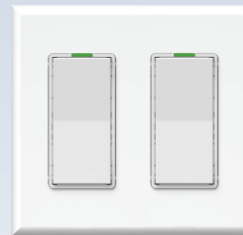 - ► includes UPStart Wizard for first time users

Features

- **Configurable dual 550W outputs**
  - ► Dimming or on/off dimming disabled
  - ► 550 Watts / 4.5 Amps max., 1 Watt min.
  - ► Supports incandescent, Halogen, fluorescent, LED, low-voltage transformers, ballasts and motors-pump/fan

- **Interchangeable 'Universal' faceplate assemblies**
  - ► **78** faceplate options, **13** styles x **6** standard colors
  - ► Change color and functionality in the field
  - ► Higher flexibility / lower inventory costs

- **Intuitive rocker/button action**
  - ► Press and hold for 200 dimming steps & Resume Dim
  - ► Single tap fade up/down, double tap snaps to 100/0%
  - ► Adjustable (faster) response time and fade rate

- **Timer Function**
  - ► Automatically turns off load(s)
  - ► 15 presets, locally or scene-link controlled

- **Manual Scene-Link Modification with Rocker/Buttons**
  - ► Add or delete devices from scene with 7 or 8 taps
  - ► Adjust linked devices' light level and save with 7 taps

- **Thermal overload protection**

- **Aesthetically pleasing Blue/Green Dual LED indicator**

- **Dedicated Remote Switch (Model USR) connections**
  - ► Provides inexpensive 3 or more-way control option

- **Standard Faceplate Colors: White (W), Almond (A), Light Almond (LA), Ivory (I), Black (BK), Brown (BN)**

Make the Switch

...from this   ...to this   ...or even this

Less wall-switch clutter
More convenient controls

Control two 550W loads in one switch (J-box) position with the 'Dual' Universal Dimmer-Controller.
13 universal faceplate options, available in 6 standard colors, meet your lighting décor needs.

SimplyBrilliant® Model US22 is a Universal UPB Dimmer-Controller Switch Base with dual (1 Watt minimum to 550 Watt maximum) load controls, timers and adjustable response time. There are 13 faceplate options available in 6 standard colors to match virtually any décor or lighting design. Faceplates are easily changed in the home, and configured with the help of UPStart (PC) software. The US22 provides ultra-reliable control and energy saving timed-off control of new and existing lighting fixtures, lamps, fans and other electrical devices. Each unit has two output circuits that control two separate 550W loads. By default the US22 is set to dim incandescent, halogen, LED, magnetic low-voltage lighting or any other standard dimmable fixtures. Dimming can be disabled for On/Off control of fluorescent lights, fans, motors and other non-dimmable (LED) loads. The adjustable response time feature and fade rate function sets how quickly the output responds and dims lights on and off. It can also transmit and receive lighting scene commands with other Universal Powerline Bus (UPB) switches, plug-in modules, fixture modules as well as any PC / security / home automation controller that provides a UPB serial driver option (see www.Simply-Automated.com/products/faqs.htm for a current listing) – to control virtually anything that connects to AC power anywhere in the home.

Manual scene-link modification capabilities are unique to Simply Automated devices. A user can easily change existing scenes, adding or removing devices and adjusting light levels, by pressing rocker/buttons in a specific sequence (see User Guide for details) without using UPStart.

Home Automation Made Simple.

Applications

The model US22 is the ideal solution to reduce the number of switches and j-boxes in the home. The dual load output works well in paddle fan and bathroom light and fan applications. The response time function is adjustable down to 300mSec so lights come on quickly. The energy saving timer function automatically turns off the switch load after a pre-set period of 1, 5 or 30 seconds, 1, 2, 4, 10, 20, 30, 40, or 50 minutes, 1, 2, 3, or 4 hours. The timer can be disabled so the US22 functions like a standard dimmer (no timer function) or enabled to activate with a rocker push. In addition, another button or rocker on the US22 (or another UPB switch) can command any of the timer functions of the US22, via a lighting scene-link command, to enable any selection of timed off options (e.g. buttons for 1 minute, 4 minutes, 10 minutes, 1 hour).

Specifications

Power: 120VAC +/- 10%, 60Hz

Output & Loads: 1 Watt minimum, 550W (4.5 Amps) maximum at 120VAC (see table below for derating details). Configurable for dimming (default) or On/Off dimming disabled. Allows use with incandescent, Halogen, fluorescent, LED, low-voltage lighting transformers, ballasts and motors-pump /fan. Dims any standard dimmable fixture.

Connections: 6" stranded pigtails, #16 AWG for power/load, #20 AWG remote traveler wires

Operating Temperature: 30 to 120°F (0 to 50°C)

Dimensions: 4.2"H x 1.7"W x 1.6"D (107 x 43 x 41mm) depth inside the J-box = 1.35" (34mm)"

Weight: 4.9 oz (139g)

Wiring:

Black	AC Line
White	AC Neutral
Brown	Load 1
Red	Load 2
White/Brown	Traveler 1
White/Red	Traveler 2

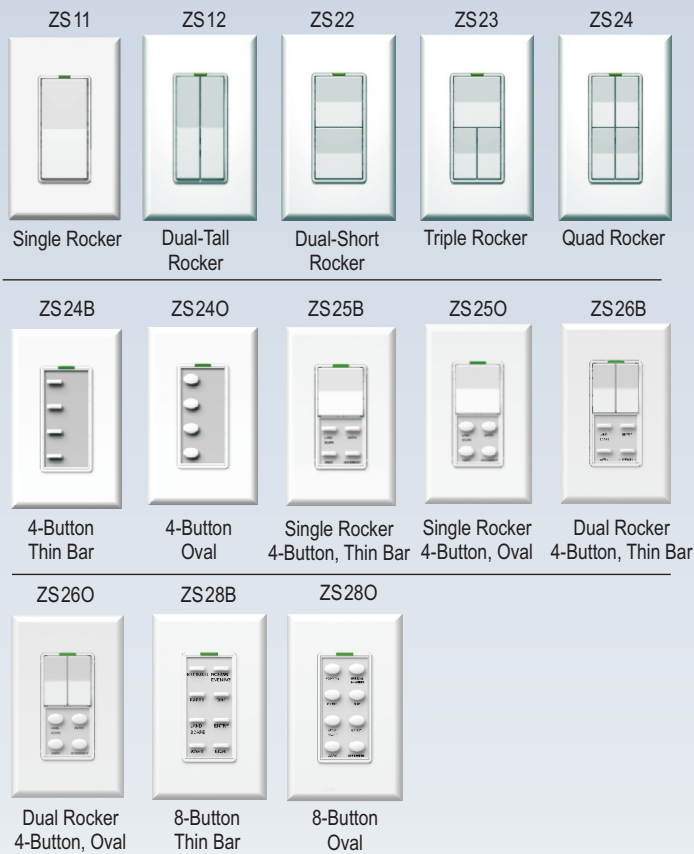For indoor or weather protected use only. Prices and specifications are subject to change without notice.

*Ganging and Derating

# of J-box Gangs	# of Dimmers inJ-box		
	1	2	3+
1	800W	--	--
2	900W	500W	–
3+	1100W	700W	350W

Total watts - both channels; not to exceed 550W per channel for any ganging.
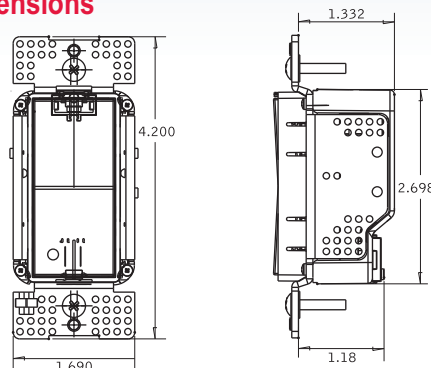
Universal Faceplate Options*

Standard (Gloss Finish) Colors : White (W), Almond (A), Light Almond (LA), Ivory (I), Black (BK), Brown (BR)

ZS11	ZS12	ZS22	ZS23	ZS24
Single Rocker	Dual-Tall Rocker	Dual-Short Rocker	Triple Rocker	Quad Rocker

ZS24B	ZS24O	ZS25B	ZS25O	ZS26B
4-Button Thin Bar	4-Button Oval	Single Rocker 4-Button, Thin Bar	Single Rocker 4-Button, Oval	Dual Rocker 4-Button, Thin Bar

ZS26O	ZS28B	ZS28O
Dual Rocker 4-Button, Oval	8-Button Thin Bar	8-Button Oval

Specify model US22-40; Universal Dimmer-Controller, Dual Load, Switch Base; and ZSxxx-xx Series faceplate option (E.g. ZS26B-LA)

Dimensions

Dimensions shown: 1.332, 4.200, 2.698, 1.690, 1.18

Home Automation Made Simple.

UPB™ UNIVERSAL POWERLINE BUS