

Standard UPB Dimmer-Controller Switch Base

Single Rocker Switch Base
with Configurable Timer

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 output**
 - ▶ Dimming or on/off dimming disabled
 - ▶ 900 Watts / 7.5 Amps max., 1 Watt min.
 - ▶ Supports incandescent, Halogen, fluorescent, LED, low-voltage transformers, ballasts and motors-pump/fan
- **Timer function**
 - ▶ Automatically turns off load
 - ▶ 15 presets, locally or scene-link controlled
- **True rocker 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
- **Interchangeable rocker assemblies**
 - ▶ Change color in the field
 - ▶ Higher flexibility / lower inventory costs
- **Aesthetically pleasing blue/green LED indication**
- **Patented contoured heat sink for cooler operation**
- **Thermal overload protection for added safety**
- **Dedicated Remote Switch (Model USR) connection**
 - ▶ Provides inexpensive 3 or more-way control option
- **Rocker colors** (sold separately) ZS11 Series; rocker colors include: white, almond, light almond, ivory, black, or brown



SimplyBrilliant® US1-40 is a Standard UPB Dimmer-Controller Switch Base with timer feature. It requires a single rocker faceplate (ZS11 Series, sold separately) available in white, almond, light-almond, ivory, black or brown. The faceplates are easily changed in the home. The US1-40 provides ultra-reliable control and timed off control of new and existing lighting fixtures, lamps, fans and other electrical devices. Each unit has one switch that controls a load of 1 Watt minimum to 900 Watts maximum. It can also transmit and receive lighting scene commands and status 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 for a current listing) – to control virtually anything that connects to AC power anywhere in the home.

The timer 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 US1-40 functions as a standard single rocker switch (no timer function) or enabled to activate with a rocker push (e.g. single push turns on with timer, double push turns on without timer, or visa versa). A UPB switch, such as the model US2-40 Universal Dimmer-Controller, can also command any of the timer functions of the US1-40, via lighting scene-links, to enable any selection of timed off options (e.g. buttons for 1 minute, 4 minutes, 10 minutes, 1 hour).

Fade rates are also configurable (e.g. snap, 0.8, 1.6, 3.3, 5, 6.6, 10, 20, 30 seconds, or 1, 2, 5, 10, 15, 30 minutes) and the rocker can control both the local load and a lighting scene separately. For example, press and hold the rocker to dim up/down, single tap to fade to 100%/0%, and double tap to send a scene link with or without affecting the local load. The performance and flexibility of Simply Automated's switch solutions are simply brilliant.

Simply Automated, Incorporated

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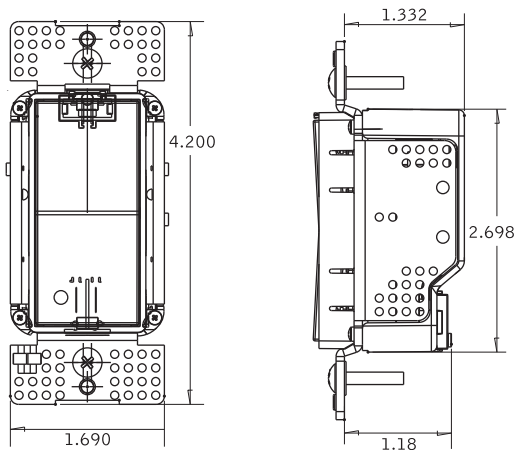


Home Automation Made Simple.

Applications

The US1-40 single rocker dimmer-controller is used wherever multi-rocker or multi-button dimmers will never be required. The adjustable response time feature allows these switches to turn on quickly. The light level status can be automatically transmitted whenever the rocker is pushed. These switches can be used as a 'virtual' 3-way (or more way) switches when no traveler wires are available. A traveler wire connection provides 3- or more way switch functionality when the US1 is connected to a remote switch, model USR, only. Bathroom fan and circulating hot water pump control are the most common timer application. The single rocker can be configured to turn a fan/light on with timed-off at single push, and a double push turns on the fan/light without timed off feature, or visa versa. Both single and double push functions can utilize scene links and the timer option. For example a single tap can turn on the local load and a double tap can send a scene link without affecting the local load. It may be desirable to use a scene link to control the unit's timed off feature. An adjacent (or remote) multi-button switch such as the US2-40 with a ZS250 faceplate can do this easily. The US2's switch rocker could control a bathroom light while the buttons send scene-link commands for timed-off control of the adjacent US1-40 and its' connected fan. Labels (models ZLK-01) can be used on the US2 to help users control the timed off function (e.g. buttons labeled for different off times; 4 min., 10 min., 1 hr.). The timer can be used in many other ways. Examples include the control of heat lamps, outdoor exit lighting or for relays / inputs that require momentary AC control signals. The US1-40 is an excellent energy saving solution for areas where lights are frequently left on (e.g. bath/laundry rooms, closets, garages, etc.).

Dimensions



Specifications

- Power:** 120VAC +/- 10%, 60Hz
- Output & Loads:** 1 Watt minimum, 900W (7.5Amp) 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 for multi-way traveler(s)
- Wiring:**
 - Black AC Line
 - White AC Neutral
 - Brown Load (to fixture)
 - Wht / Brn Traveler 1
- Operating Temperature:** 30-120°F (0-50°C)
- Physical:**
 - Dimensions:** 4.2"H x 1.7"W x 1.6"D (107 x 43 x 41mm) depth inside J-box = 1.33"
 - Weight:** 3.8 oz (108g)
 - Mounting:** standard J-box

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

Ganging and Derating

		# of Dimmers in j-box		
		1	2	3+
# of j-box Gangs	1	600W	--	--
	2	800W	500W	--
	3+	900W	700W	500W



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