

Controlled (relay) Receptacle with Timer

Remotely Controlled Wire-In Module for
Appliances, Fan/Pump Motors and Lighting

Advantages

- Simple wire-in installation in standard outlet junction box
- No new wires
 - ▶ Receives UPB lighting scene commands over existing AC power lines
 - ▶ Controlled by UPB switches, schedulers, multi-button controllers and PC / security / home automation controllers
- 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

Features

- Controlled top outlet, 12 Amp, on/off relay
- Timer function, automatic timed off control for convenience and energy savings
- Manual Scene-Link changes with Rocker/Buttons
 - ▶ Add or delete devices from scene with 7 or 8 tap
 - ▶ Adjust linked devices' light levels and save with 7 tap
- Traveler wire for economical remote switch (USR) activation
- Adjustable – fast response time for remote (USR) switch
- Always on bottom outlet
- Colors: white (-W) almond (-A) or ivory (-I)

The model URD-30 is a wire-in duplex receptacle designed to control 120VAC appliances, fan/pump motors and lights using lighting scene-link commands received over the power line, or via economical remote switch (model USR). The lighting scene commands are communicated using highly-reliable Universal Powerline Bus (UPB) technology. UPB devices such as switches, multi-button controllers and schedulers are easily integrated in to a new home or can replace switches and timers in an existing home. UPB technology requires no new or special wiring; it provides a flexible, low-costs alternative to hardwired or RF home lighting and automation strategies.

Simply Automated, Incorporated

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The model URD-30 delivers on/off control for appliances, fan/pump motors and lights (see model UML, dimming incandescent lamps). It is available in three standard colors, white, almond and ivory and includes a matching wall-plate. Installation is simple: the module wires into a standard 120 VAC outlet / junction box. The appliance, motor or light to be controlled is plugged into the top receptacle. The connected appliance can be manually controlled by a UPB switch, remote switch or multi-button controller, or automatically with a scheduler (model UCS-01), I/O module (model UMI) or with any PC / security / home automation controller that provides a UPB serial driver option (see www.Simple-Automated.com/products/faqs.htm for a current listing).

When the URD-30 is controlled by a remote switch (model USR), local response time adjustments are available (300, 450, 600 and the default 750 mSec) and configured with [UPStart](#) configuration software. Local response time is the time from rocker press to load response.

The timer feature of the URD-30 automatically turns off the controlled outlet via scene-link commands, 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 URD-30 functions like a standard controlled receptacle (no timer function).

A UPB switch, such as the model US2-40 Universal Dimming Transceiver, can also command any of the timer functions of the URD, 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).

Manual scene-link modification capabilities are unique to Simply Automated devices. Without using Upstart, 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).



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Applications

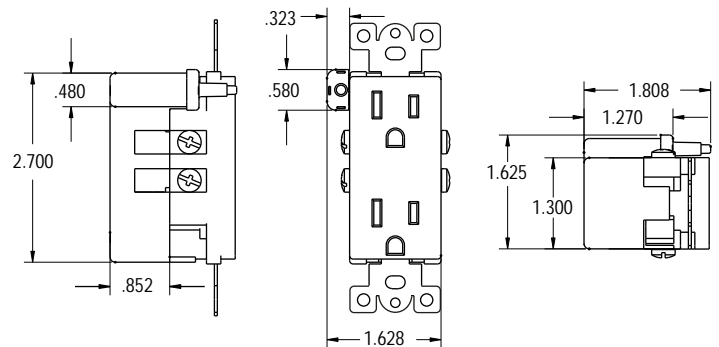
Controlled (relay) receptacles provide a convenient solution to add controlled fans, fluorescent lights, motor/pumps or outdoor lighting to a room, garage and yard. The most common use of the controlled receptacle is to add light control to a room. As an example, if a room was poorly lit with a single ceiling light or conventional controlled receptacle, a multi-rocker/button UPB switch (model US2 with ZS250 faceplate) could replace the existing wall-switch; and with the addition of the URD controlled receptacle in a desired outlet box, one or more wall-switch controlled lights could be added to the room (e.g. reading lamp and/or nightstand lamp). The multi-rocker/button switch could be configured to control any combination of the ceiling light and lamps using lighting scene-links (e.g. a rocker to control both light and lamp and individual buttons to control each light/lamp separately). Outdoor lighting or water feature control for a patio or yard is also a popular URD application (requires a waterproof junction box / wall-plate assembly). These outdoor features are commonly controlled by a scheduler (model

UCS) or UPB switch. If the outside lighting should be on after dusk and the water feature on during waking hours, the receptacle can be automatically activated with the scheduler's celestial clock and scene-link controls. The celestial clock knows when the sun rises and sets and automatically compensates for daylight savings and leap year. The vacation mode setting of the scheduler can also control indoor UPB lighting while your away, with a simple change of the run mode. Fluorescent lighting control in the garage is also a popular application for the controlled receptacle, just like adding lighting and multi-rocker/button controls to a room as described above. Replacing a conventional non-controlled outlet with a URD and connecting multiple fluorescent lights can turn a poorly lit garage into a bright workshop. A garage door proximity sensor connected to an I/O module (model UMI) can create lighting scenes with the controlled receptacle, illuminating the garage as well as the yard and entrance to the home - when ever the garage door is opened.

Specifications

Power:	120VAC +/- 10%, 60Hz
Controlled Outlet:	
Max Load:	12 Amp or 1/3 HP motor
Output Type:	Contact Closure
Connections:	colored screws, and 6" stranded pigtail #20 AWG for remote switch traveler
Wiring:	Brass screw (bottom) AC Line Silver screw (bottom) Neutral Green screw Ground Brown / White (wire) Traveler
Operating Temperature:	30-120°F (0-50°C)
Physical:	
Dimensions:	3.4"H x 1.6"W x 1.8"D (85 x 41 x 46mm)
Weight:	6 oz (170g)
Mounting:	Standard outlet box

Dimensions (Inches)



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