

# Appliance (relay) Modules

Remotely Controlled Plug-In Modules  
for Appliances, Fan/Pump Motors and  
non-dimmable Lighting

## Advantages

- Simple plug-in installation
- No new wires
  - ▶ Receives UPB lighting scene commands over existing AC power lines
  - ▶ Controlled by UPB switches, 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 moving and changing the module easy

## Features

- Manual Scene-Link changes with Rocker/Buttons
  - ▶ Add or delete devices from scene with 7 or 8 taps
  - ▶ Adjust linked devices' light level and save with 7 taps
- Heavy duty / timer model: UMA-20-W
  - ▶ 15Amp, on/off relay and 'auto-off' timer function
  - ▶ 3 conductor connection includes safety ground
  - ▶ Controlled outlet and always on convenience outlet
  - ▶ Switch sense trigger, turns on module when appliances' switch is turned on twice
  - ▶ Timer function, automatic timed off control for convenience and energy savings
- Standard model: UMA-E-W
  - ▶ 12Amp, on/off relay
  - ▶ 2 conductor controlled outlet connection



The UMA series are plug-in modules designed to control 120VAC appliances, fan/pump motors, fluorescent and non-dimmable lights using lighting scene-link commands received over the power line. 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.

UMA modules deliver on/off control for appliances, fan/pump motors and fluorescent lights (see model UML, dimmer modules for incandescent lamp control). Installation is simple: the module is plugged into a standard 120 VAC outlet and the appliance or light to be controlled is plugged into the bottom of the module. The connected appliance can be manually controlled by a UPB 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 software option (see [www.Simple-Automated.com/products/faqs](http://www.Simple-Automated.com/products/faqs) for a current listing).

The UMA-20-W includes a powerful timer option that can automatically turn off the controlled outlet after a preset 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 UMA-20-W functions like a standard appliance module (no timer function). A UPB switch, such as the US2-40, can command any of the UMA-20-W timer functions via lighting scene-link commands to enable any selection of the timed off options.

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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**Home Automation Made Simple.**

## Applications

Appliance (relay) modules provide a convenient solution to add controlled fans, fluorescent lights, fan/pump motors or outdoor lighting to a room, garage and yard. They can be moved from one outlet to another meeting present and future load control needs (e.g. Christmas lighting). If mobility of the module is not needed, consider using the controlled duplex receptacle (model URD). The most common use of the appliance module is to add outdoor lighting or water feature control in the yard outside a home, 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 module 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

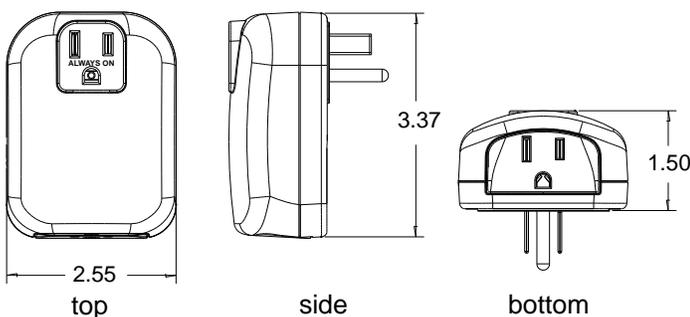
can also control indoor UPB lighting while your away, with a simple change of the run mode. Fluorescent lighting control in the garage is also a popular application for the appliance module. Replacing a garage light switch with a US2-40 and ZS250 faceplate, adding an appliance module to an outlet and connecting multiple fluorescent lights can turn a poorly lit garage into a bright workshop. The single rocker of the US2-250 combination can be used for the existing light load while the multiple buttons can control a variety of lights and work bench appliances. A door, gate or garage door sensor connected to an I/O module (model UMI) can trigger lighting scenes for appliance modules, illuminating the garage as well as the yard and entrance to the home - whenever the door is opened.

## UMA-20-W (heavy duty)

### Specifications

Power:	120VAC +/- 10%, 60Hz
Controlled Outlet:	
Max Load:	15 Amp or 1/3 HP motor
Output Type:	Contact Closure with timer
Operating Temperature:	30-120°F (0-50°C)
Physical:	
Dimensions:	3.4"H x 2.6"W x 1.5"D (86 x 65 x 38mm)
Weight:	5.6 oz (160g)
Mounting:	Plug-in

### Dimensions (Inches)

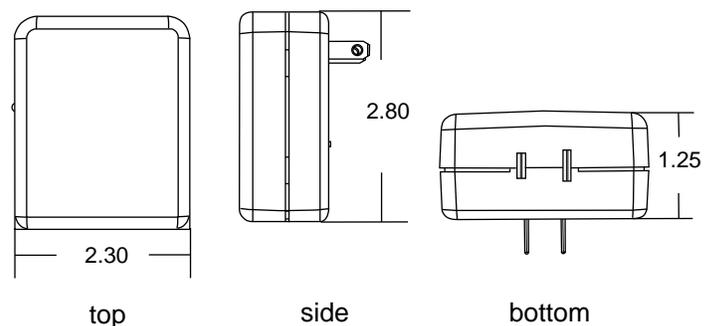


## UMA-E-W (standard)

### Specifications

Power:	120VAC +/- 10%, 60Hz
Controlled Outlet:	
Max Load:	12 Amp
Output Type:	Contact Closure
Operating Temperature:	30-120°F (0-50°C)
Physical:	
Dimensions:	2.8"H x 2.3"W x 1.25"D (71 x 59 x 30mm)
Weight:	5.6 oz (160g)
Mounting:	Plug-in

### Dimensions (Inches)



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