

## Model UFD/UFR

### Fixture Dimmer / Relay - Timer Modules

For wired-in, 'hidden' control and timed-off control of Lighting & Appliances

#### DESCRIPTION

Models UFD/UFR are wire-in fixture modules with timer feature, designed to remotely control 120VAC appliances and lighting using Universal Powerline Bus (UPB) commands and scene-links received over the powerline. These modules are easily added to a UPB powerline network and configured for ultra-reliable dimming and On/Off control with [UPStart](#) (PC based) software. They can also be directly wired/controlled with a remote switch (model USR) and provide a flexible, low-cost alternative to hardwired or RF home automation strategies.

- **Model UFD** delivers ON/OFF, dimming and timed-off control for lamps and lighting fixtures from 1 Watt minimum to 300W maximum.
- **Model UFR** delivers ON/OFF and timed-off control for lighting, appliances, fans and pump/motors up to 12A

These modules fit easily inside a standard electrical junction box and have snap-off mounting ears for tighter installs, or they can mount to other surfaces using screws/ties. Fixture modules connect directly to the existing household power wiring. The light-load connected to the module can be operated manually using a UPB wall switch or multi-button controller, or automatically via scheduler-timer (model UCS), I/O module (model UMI-32) PC or home automation server.

**Manual scene-link modification** capabilities are unique to Simply Automated US2 and US22 Dimmer-Controllers. A user can easily change existing scenes, adding or removing devices and adjusting light levels, by pressing rocker/buttons in a specific sequence (see model US2 and US22 User Guides for details) without using UPStart.

#### SPECIFICATIONS

<b>UFR</b>	<b>Power:</b>	120VAC +/- 10%, 60Hz
	<b>Output:</b>	Relay, 120VAC On/Off
	<b>Max Load:</b>	12A or 1/3HP motor
<b>UFD</b>	<b>Power:</b>	120VAC +/- 10%, 60Hz
	<b>Output:</b>	Triac (25 Amp) configurable for dimming or dimming disabled. Allows use with incandescent, halogen, fluorescent, LED, Low-voltage transformers, ballasts and motors – pump/fan.
	<b>Min./Max Load:</b>	1 Watt minimum / 300 Watts maximum at 120VAC (2.5A)

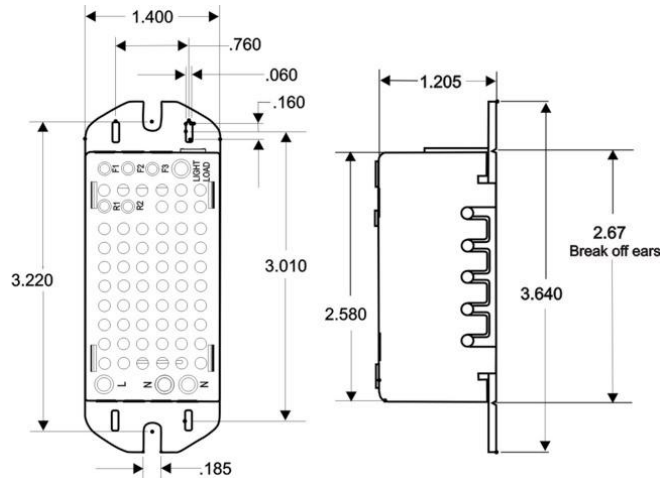
<b>Connections:</b>	#14 AWG stranded pigtails, 6"
<b>Operating Temperature:</b>	30 to 120°F (0 to 50°C)
<b>Dimensions:</b>	3.6"H x 1.4"W x 1.2"D (91 x 36 x 30mm)
<b>Weight:</b>	6 oz. (170g)
<b>Mounting:</b>	Standard outlet box; screws or ties can be used to mount in other locations. Mounting ears are designed to break away for compact installations.



**Model UFD** – Wire-in Fixture Module – Dimming  
**Model UFR** – Wire-in Fixture Module – Relay

#### DIMENSIONS

##### Model UFD/UFR



#### CONNECTIONS

Wire Color	Model UFD	Model UFR
Black	AC Line	AC Line
White	AC Neutral	AC Neutral
Brown	Load	Load
White/Brown	Traveler	Traveler