



FUNCTION

The Fixture Dimmer Module, model UFD, operates 120VAC incandescent lamps based on digital commands received over the power wiring from a remote UPB (Universal Powerline Bus) controller. It can also be wired to and controlled by a Dedicated Remote Controller (model USR). The module will turn lamps ON and OFF (and timed OFF), and will also act as a dimmer. UPB controllers and modules can be freely located anywhere in the home. No additional wiring is required and no radio frequency signals are used for communication.

IMPORTANT SAFETY INSTRUCTIONS

When using electrical products, basic safety precautions should always be followed, including the following:

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
2. Installation should be performed by a qualified electrician.
3. Keep away from water. If product comes into contact with water or other liquid, unplug immediately.
4. Never use products that have been dropped or damaged.
5. Do not use this product outdoors.
6. Do not use this product for other than its intended use.
7. Do not connect multiple lamps or appliances that, when combined, exceed the maximum load ratings of the product.
8. To avoid risk of fire, burns, personal injury and electric shock, install this product out of reach of small children.
9. Do not cover the product with any flammable material when in use.
10. SAVE THESE INSTRUCTIONS.

INSTALLATION

The Fixture Dimmer Module is designed for indoor use with incandescent, Halogen or other dimmable lamps that are permanently wired into the home electrical system. DO NOT use this module with fluorescent or non-dimmable lamps, unless configured for ON/OFF functionality ONLY (no DIMMING). This is done in the Options tab of the device using UPStart UPB configuration software, before connecting the fluorescent lamp. To install the UFD module:

1. Locate the lighting fixture to be controlled. Note that the lamp rating (or the combined rating of multiple connected lamps) must not exceed 300 watts.
2. Disconnect power at the circuit breaker.
3. Remove any existing lighting fixture hardware. Disconnect the black wire that supplies power to the lamp.
4. Using a wire nut, connect the black (Line) wire of the fixture module to the black (Line) power wire.
5. Using a wire nut, connect the brown (load output) wire of the fixture module to the black wire from the lighting fixture.

6. If the application requires a remote wall switch to activate/deactivate the fixture module, connect the white with brown stripe wire from the fixture module to the traveler wire that extends to a model USR Dedicated Remote Switch. Refer to the wiring diagram for details.
7. If a remote wall switch is not used, cap off the unused white with brown stripe wire at the fixture module to prevent shorting.
8. Using a large wire nut, connect the white (Neutral) wire of the fixture module to the white (Neutral) power wire and the white wire from the lighting fixture. If a remote USR wall switch is used, this connection can also be used to supply a neutral to the USR switch. Refer to the wiring diagram for details.
9. Refer to instructions on CONFIGURATION and OPERATION before placing the fixture module in its final location; as it may be necessary to have access to the program switch, located next to the status LED, in order to add the module to the UPB network and test its operation. Temporarily restore power in order to perform these functions. Disconnect power again when finished. Or, if a USR Remote Switch is part of the installation, then you may choose to install the UFD in its final location since simply tapping the USR rocker 5 times quickly will put the UFD into SETUP Mode.
10. Once proper operation is established, fit the module into the outlet box or otherwise secure it using screws or wire ties. Reinstall fixture hardware as needed.

CONFIGURATION

1. Configuration requires UPB setup/configuration software, called [UPStart](#) and a model [UMC](#) Computer Interface Module. Before using UPStart configuration software, be sure to [download](#) the latest version from the Simply Automated website. First time users should also download and follow the [Quick Start Guide](#) and use the Installation Wizard available in UPStart to save time.
2. When configuring a UPB system, it may be necessary to place the UFD in SETUP mode. To do this, press the program switch (or the USR rocker) five times rapidly using a non-metallic toothpick. The indicator will continuously blink GREEN when the unit is in SETUP mode. To exit SETUP mode, press the program switch twice quickly or wait five minutes.



CAUTION: Do not insert metal objects into the module, especially the program switch hole, while it is connected to power.

OPERATION

The Fixture Dimmer Module operates according to commands sent by a controller. The indicator on the module will glow RED when the controlled lamp is OFF and GREEN when the lamp is ON.

To manually control the output, tap the program switch quickly 9 times. The LED will flash (green & red together) and pressing the program switch will toggle the output on and off. To exit manual control, press the program switch quickly 2 times.

A Timer function is available in the UFD. Controller commands can turn ON the UFD and load a preset Timer period. The UFD automatically turns OFF at the end of the period. The available preset times are: 1 Sec., 5 Sec., 30 Sec., 1 Min., 2 Min., 4 Min., 10 Min., 20 Min., 30 Min., 40 Min., 50 Min., 1 Hr., 2 Hrs. 3 Hrs. and 4 Hrs.

When the UFD 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.

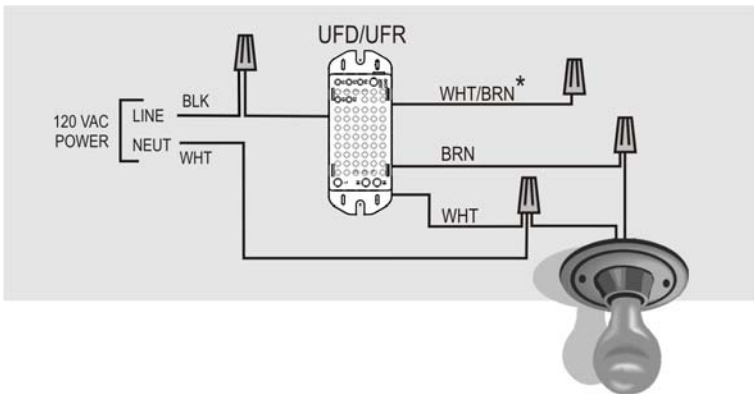
UPB FACTORY DEFAULT SETTINGS

To restore the following default settings, place the UFD in SETUP mode and then press the program switch quickly ten times. Press the switch twice quickly to exit this mode.

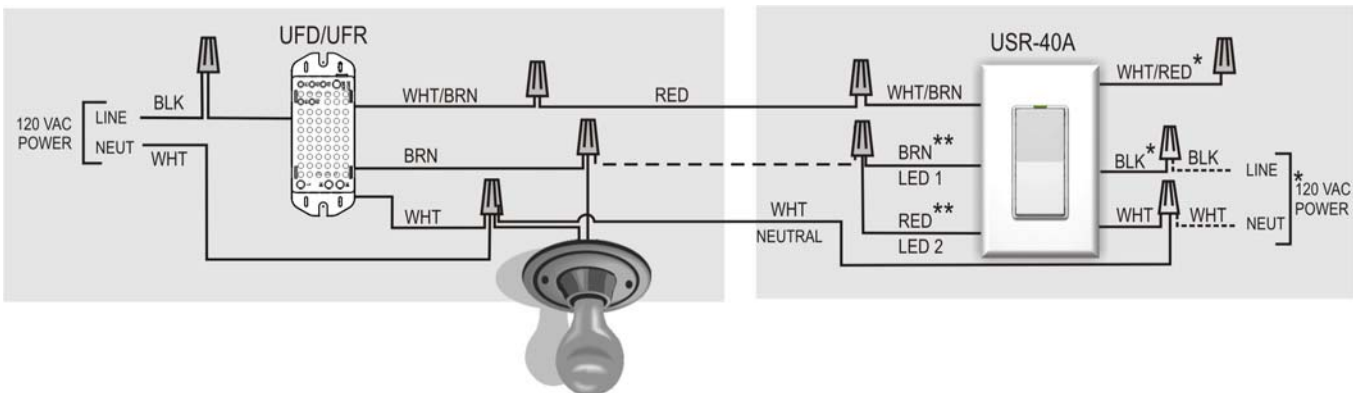
Network Name	"Network 1"
Room Name	"New Room Name"
Device Name	"New UFD"
Unit ID	10
Network ID	255
Network Password	1234

INSTALLATION FOR CONTROL WITH UPB SWITCHES AND CONTROLLERS

The UFD is wired to line and neutral, and controlled via scene link(s) transmitted from any UPB switch (like models US1 or US2) or controllers.



INSTALLATION WITH OPTIONAL USR DEDICATED REMOTE SWITCH (Model USR-40A)



NOTES:

* CAP UNUSED WIRES TO PREVENT SHOCK OR SHORTING.

** CONNECT THE BROWN AND RED WIRES OF THE USR AS SHOWN TO ENABLE OPERATION OF THE LED INDICATORS WITH RESPECT TO THE LOAD. THESE WIRES ARE NOT REQUIRED FOR SWITCH OPERATION AND CAN BE OMITTED IF A THIRD WIRE IS NOT AVAILABLE. CAP THE BROWN AND RED WIRES IF NOT USED, OR CONNECT THEM TO LINE POWER FOR SOLID GREEN INDICATION. ANOTHER OPTION WHEN THE RED AND BROWN WIRES ARE CAPPED IS TO CONNECT THE BLACK WIRE TO LINE POWER FOR SOLID BLUE LED INDICATION. PLEASE SEE DEDICATED REMOTE (MODEL USR) USER GUIDE FOR MORE DETAILS.