LEVITON UPB™ 15A RELAY SWITCH AND AUXILIARY SWITCH
Cat. No. 40A00-1
Installation Instructions and User's Guide

INSTALLATION AND OPERATING INSTRUCTIONS

ENGLISH

WARNINGS AND CAUTIONS
- **TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER** at circuit breaker or fuse and test that power is off before wiring!
- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult an electrician.

WARNINGS AND CAUTIONS
- This product must be installed in a suitable junction box or equivalent enclosure.
- Use this device with **copper or copper-clad wire only.**
- For indoor use only.
- SAVE THESE INSTRUCTIONS.

For the following Models:

40A00-1 Leviton 15A Relay Switch (referred to as Leviton UPB™ Wall Switch, in this document), and 37A00-1 Leviton Auxiliary Switch.

NOTE: All Leviton UPB™ Wall Switches require a neutral (white) connection wire.

Leviton UPB™ Wall Switch Overview

The Leviton UPB™ Wall Switch **(Figure 1)** allows for local control of loads by using the rocker switch. It also incorporates the UPB™ two-way powerline communication technology that gives it the ability to be remotely controlled by UPB™ compatible controllers. The Leviton UPB™ Wall Switch is also capable of transmitting UPB™ messages when the rocker switch is turned on or turned off.

The Leviton 15A Relay Switch is used to control loads such as receptacles, motor-operated appliances (i.e. fans), and fluorescent lighting fixtures.

Leviton Auxiliary Switch Overview

The **37A00-1** Leviton Auxiliary Switch **(Figure 2)** is an optional companion device used with the Leviton UPB™ Wall Switch for multi-way circuits. The Leviton Auxiliary Switch has a rocker switch that controls the load in the exact same manner as the rocker switch on the Leviton UPB™ Wall Switch.

Changing Switch Color

The color of the Leviton UPB™ Wall Switch and Auxiliary Switch may be changed to complement the interior décor. The Leviton UPB™ Wall Switch and Auxiliary Switch is supplied with a white switch plate. Additional colors are available; contact your Leviton distributor for more information. When changing the switch plate, make sure that the switch is disconnected from all power, and proceed as follows:

1. The switch plate attaches to the Leviton UPB™ Wall Switch and Auxiliary Switch with two latches on the right and two on the left. Using a small-bladed screwdriver, gently depress the upper and lower latch on one side while lifting up on the plate. Once the latches are released on one side, remove the switch plate from the other side.

2. Align the latches of the new switch plate to the openings on the mounting plate and gently snap into place.

INSTALLATION INSTRUCTIONS

The Leviton UPB™ Wall Switch is wired directly to the load and can be controlled by adding one or more optional Leviton Auxiliary Switches producing multi-way circuits. Multi-way circuits make it possible for a group of switches to control the same load. This section will illustrate how to make the connections.

NOTES:

1. Refer to **Figures 1 and 2** to determine the wire colors for each connection.

2. All Leviton UPB™ Wall Switches require a neutral (white) connection.

3. The Line (black) wire must be accessible for the installation of all Leviton Auxiliary Switches. This wire may be connected to either phase of the 120/240V supply. The blue and/or gray wire on the Leviton Auxiliary Switch can be connected to either earth ground or neutral. The blue and/or gray wire is only used to light the LED on the switch. This LED only indicates that power is applied and serves as a night-light. Connect the blue wire only to light the LED blue. Connect the gray wire only to light the LED red. Connect both the blue wire and the gray wire to light the LED magenta.

Installation Procedure

1. Be sure that all power to the load has been disconnected by turning off the circuit breaker.

2. If applicable, remove the faceplate from the existing wall switch, remove the existing wall switch from the wall box, and disconnect the wires from the existing wall switch. Identify the "Line", "Neutral", "Load" and "Traveler" (if applicable) wires.

3. Remove 3/4" of insulation from each of the wires on the Leviton UPB™ Wall Switch. Install the Leviton UPB™ Wall Switch by connecting wires per wiring configuration shown in **Figure 5**.

4. Install any optional Leviton Auxiliary Switch per wiring configuration shown in **Figure 5**.

6. After all connections have been made, be certain that all wire connectors are firmly attached and there is no exposed copper.

5. Gently place the wires and Leviton UPB™ Wall Switch into the wall box with the LED at the top of device. Using the supplied screws, attach the Leviton UPB™ Wall Switch to the wall box.

6. Before installing the faceplate, restore power to the circuit, and then fully close the air-gap switch lever.

7. After testing the Leviton UPB™ Wall Switch and Auxiliary Switch for proper local operation **(see Table 1)**, install a Decora® faceplate over each switch.

Leviton 15A RELAY SWITCH OPERATION

The Leviton 15A Relay Switch has configurable items that can be set using the UPB™ UPStart configuration software. The following describes the operation of the Leviton 15A Relay Switch in its factory default configuration.

Local Rocker Switch Operation

The Leviton 15A Relay Switch has a rocker switch that can be used to control the load as follows.
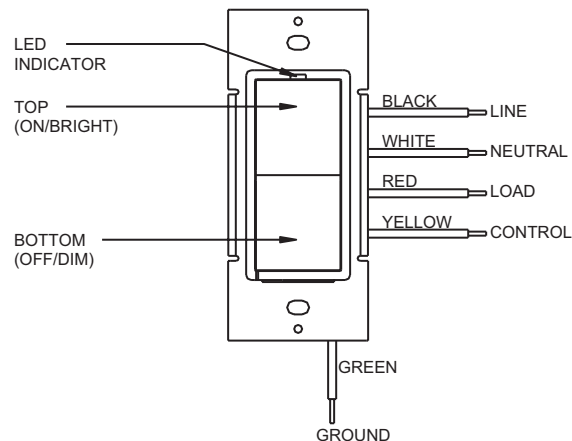
Figure 1 - Leviton UPB™ Wall Switch
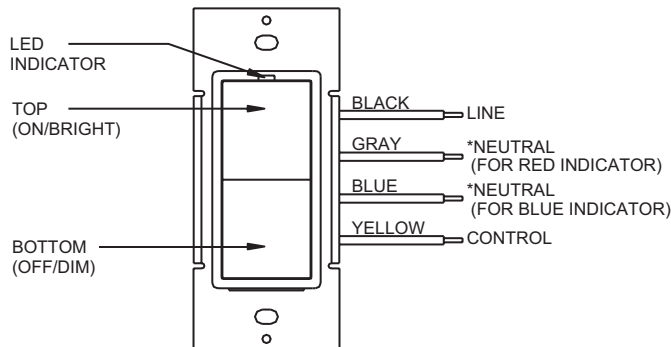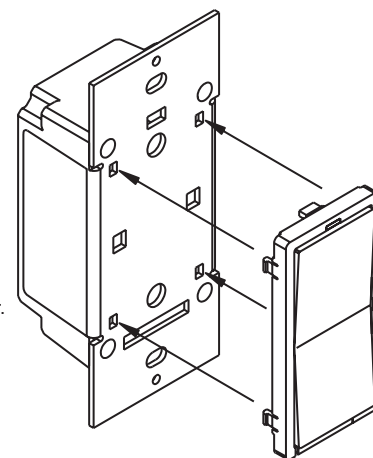

Figure 2 – Leviton Auxiliary Switch

Figure 3 – Changing Switch Color

WEB VERSION

Leviton AUXILIARY SWITCH OPERATION

The Leviton UPB™ Wall Switch can be connected to one or more Leviton Auxiliary Switches producing multi-way circuits. Each Leviton Auxiliary Switch has a rocker switch that controls the load in the exact same manner as the rocker switch on the connected Leviton UPB™ Wall Switch, as previously described. When connected, the LED remains continually on at all times while power is applied.

LED Indicator

The Leviton UPB™ Wall Switch comes equipped with a multi-color LED indicator that is normally lit to blue when the load is off. The LED is off when the load is on.

If used, the LED in the Leviton Auxiliary Switch is always lit.

Setup Mode

To configure the Leviton UPB™ Wall Switch using an Leviton controller or a PC running the UPB™ UPStart configuration software, it must be put into Setup Mode as follows:

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: It is normal for this switch to make a slight buzzing sound during operation. It is also normal for the switch and wall plate to feel warm to the touch.

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9** or by telephone at **1 800 405-5320.**

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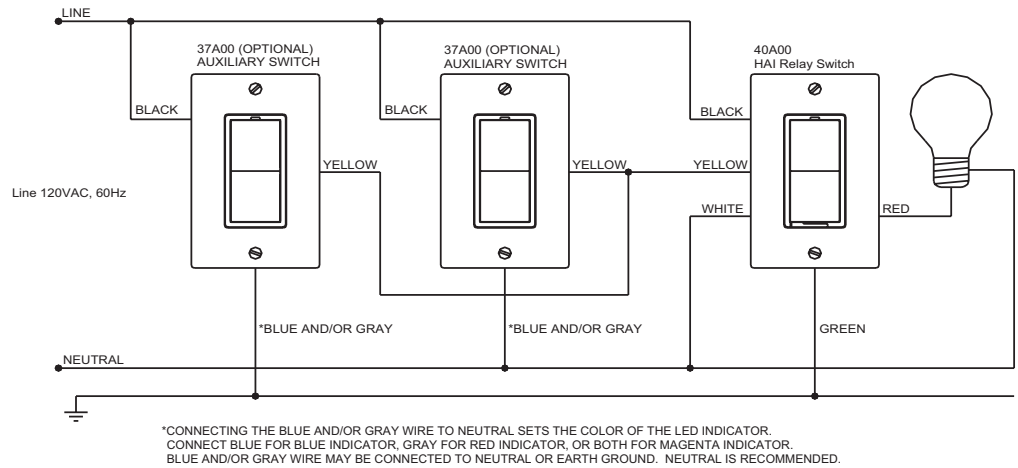
Figure 4 - Wiring Diagram

*CONNECTING THE BLUE AND/OR GRAY WIRE TO NEUTRAL SETS THE COLOR OF THE LED INDICATOR. CONNECT BLUE FOR BLUE INDICATOR, GRAY FOR RED INDICATOR, OR BOTH FOR MAGENTA INDICATOR. BLUE AND/OR GRAY WIRE MAY BE CONNECTED TO NEUTRAL OR EARTH GROUND. NEUTRAL IS RECOMMENDED.

Table 1 - Leviton UPB™ 15A Relay Switch Local Operation

Rocker Event	Top Rocker	Bottom Rocker
Single-Tap	Load turns on.	Load turns off.

Step	Operation
1	Tap the rocker switch quickly 5 times.
2	The Leviton UPB™ Wall Switch will cycle the load one time and blink its LED blue to indicate that it is in Setup Mode. **NOTE:** the switch will automatically exit Setup mode after 5 minutes.

Reset to Factory Default Settings

To reset the Leviton UPB™ Wall Switch to factory default settings:

Step	Operation
1	On the Leviton UPB™ Wall Switch that you want to reset to factory default, tap the rocker switch quickly 5 times.
2	The Leviton UPB™ Wall Switch will cycle the load one time and blink its LED blue to indicate that it is ready to be reset.
3	Tap the rocker switch quickly 10 times to reset to factory default setting.
4	The Leviton UPB™ Wall Switch will cycle the load one time and blink its LED red to indicate that it has been reset.
5	Tap the rocker switch once more to stop the LED from blinking.

SPECIFICATIONS

Model Number	40A00-1
Incandescent Loads, Inductive Loads, and Florescent Loads	Yes
Motor-Operated Appliances	Yes
Current Maximum	15A
Connections	18 GA
LED Indicator	Yes
Dimensions	4.1 x 1.75 x 1.45
Weight	0.25 lb.
Mounting	Standard J Box
Input Power	120 ± 12 VAC
Input Frequency	60 ± 3 Hz
Operating Temperature	-40 °F to 104 °F