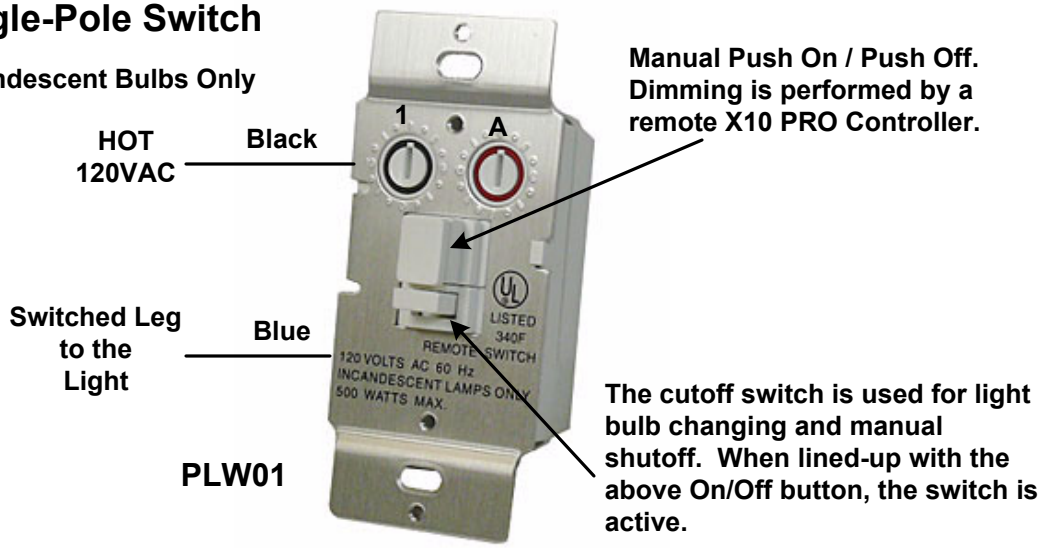


# Wall Dimmer Switch - Receiver **PLW01**

## Single-Pole Switch

Incandescent Bulbs Only



**Description:** The PLW01 Wall Dimmer Switch is designed to control incandescent bulbs (only) with a rating of 40 to 500W. Bulbs rated below 40W may flicker and/or operate erratically. A pushbutton is provided for local On/Off control. A Power Cutoff Switch located directly below the Local On/Off Pushbutton is provided for bulb changing. Both switches should line-up for normal operation.

**DO NOT USE WITH: APPLIANCES, MOTORS, LOW VOLTAGE LIGHTS OR FLUORESCENT LIGHTS**

**Specific Requirements:** 120VAC, 40-500W, Incandescent Bulbs Only.

### Optional / Supplementary Devices & Modules:

XPT2D Wall Transmitter, PMC01 Desk-top, Plug-in Mini-Controller, PHK05 RF Wireless Handheld Remote Kit, XPMT1 Desk-top, Plug-in Mini-Timer.

### X10 Protocol:

**House Code Dial** - Letters A-P **Unit Number Dial** - Numbers 1-16

Each X10 Receiver Module is set to a unique Unit Number or to an identical Unit Number as desired.

Each X10 Controller operating a specific set of Receiver Modules must be set to the same House Code as the Receivers they are controlling.

Responds to ALL LIGHTS ON command

### Electrical Protocol:

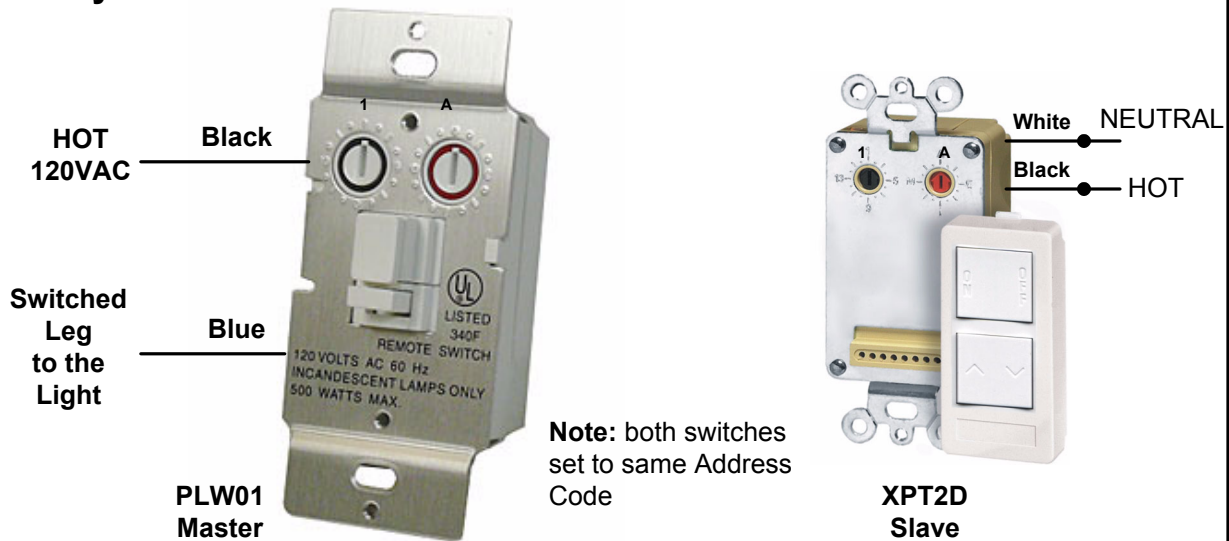
Nearly all residential homes are wired SPLIT-PHASE. Each 120V Phase is NOT directly connected with the other 120V phase. If after installation, an X10 Receiver does not respond to a remote Controller, then check to ensure that the breaker serving the X10 Receiver is on the same phase as the Controller. If not, the breaker can be changed to the opposite phase. An alternative solution is recommended, to install a Phase Coupler for improving remote communications throughout the home. See [www.x10pro.com](http://www.x10pro.com), then select Technical Support and PLC Troubleshooting.

### Installation:

1. Turn power OFF at Circuit Breaker.
2. Pull-out the existing wall switch from the switch box.
3. Remove the existing wall switch. Two wires remain protruding out of the switch box. One is HOT, the other goes to the light. They may be the same color.
4. With Breaker ON, determine which protruding wire is HOT. Use a voltmeter and measure between ground and each wire individually. One will read 120V, the other 0V.
5. With Breaker OFF, Connect the HOT wire to the BLACK wire, connect the other wire (light) to the BLUE wire.
6. Re-check all connections, Turn power ON to circuit. Turn the Power Cutoff Switch to ON position.
7. Press switch button once, the light should turn ON. Press button again, the light should turn OFF.
8. You are now ready to control the switch with an X10 Remote Control device: desktop, wireless handheld, Security Panel, etc. The default address is "A1". If you wish to change the code, the Code Dials require a small flat screwdriver to turn.
9. Attach the switch cover plate.

# Wall Dimmer Switch - Receiver **PLW01**

## 3-Way Installation - Create New



### Installation: for 3-Way operation - Create New

**Note:** A 3-Way / 4-Way system, by definition, means two or more existing wall switches which operate one single light (can be multiple lights if all come on together). In this Create NEW installation instruction, there are no traveler wires between switches. The XPT2D Transmitter will be connected to HOT and NEUTRAL only. It will communicate with the Master Switch via existing power wires. The XPT2D Transmitter provides ON/OFF and Bright/Dim.

1. Turn power OFF at Circuit Breaker.
2. Pull-out the existing wall switch from the switch box.
3. Remove the existing wall switch. Two wires remain protruding out of the switch box. One is HOT, the other goes to the light. They may be the same color.
4. With Breaker ON, determine which protruding wire is HOT. Use a voltmeter and measure between ground and each wire individually. One will read 120V, the other 0V.
5. With Breaker OFF, Connect the HOT wire to the BLACK wire, connect the other wire (light) to the BLUE wire.
6. Re-check all connections, Turn power ON to circuit. Turn the Power Cutoff Switch to ON position.
7. Press switch button once, the light should turn ON. Press button again, the light should turn OFF.
8. Install the XPT2D Wall Transmitter Switch. You will need an existing or new switch box which has power run to it.
9. With Breaker OFF, connect the XPT2D Black wire to HOT, connect the XPT2D white wire to Neutral. Turn Breaker ON.
10. Press the XPT2D Switch "ON" position once, and the light should turn ON. Press the XPT2D Switch "OFF" position once, and the light should turn OFF.
11. To change the XPT2D Address Code, remove the Keypad, with fingers pulling from bottom, then turn the dials, with small flat screwdriver, to the desired address code. Keep the PLW01 and XPT2D codes identical.
12. You are now ready to control the PLW01 switch with an X10 Remote Control Module: desktop, wireless handheld, Security Panel, etc. The default address is "A1". If you wish to change the code, the Code Dials require a small flat screwdriver to turn.
13. Attach the switch cover plates.

Note: the XPT2D Transmitter uses a "decorative" wall plate, whereas the PLW01 uses a "standard" wall plate.

Note: If you press the PLW01 ON lights will come ON, dimming is performed from the XPT2D Transmitter. The lights will maintain that dim level until turned off at the PLW01 or the XPT2D. Do not dim the lights to 0%, leave the lights ON until you want them OFF and a quick tap will turn them OFF..... Dimming all way until the bulbs go dark is NOT OFF.

Note: You can use additional XPT2D Wall Transmitter Switches to augment new 4-Way or greater systems. You will need additional wall switch boxes with power run to them. Then install the XPT2D, connecting HOT and Neutral.