



Models: KPLD7/KPLR7 Keypad Load Controllers

Installation Guide and Owner's Manual



FUNCTION

The Keypad Load Controller Series are an all in one Keypad Controller and Light Dimmer/Relay in a single package. They are able to transmit and receive UPB® (Universal Powerline Bus) digital commands over the existing power wiring to remotely turn on, off, and dim other UPB load control devices. No additional wiring is required and no radio frequency signals are used for communication.

Models

The KPL is available in two different models: The KPLD Dimmer has a built in dimmer rated at 400W and the KPLR Relay is the relay version able to handle 8 Amps. Both can be mounted in any wall box that contains neutral, line, load and ground wires. Available colors are White, Black, and Light Almond.

Engraved Buttons

The KPL's have white backlit buttons engraved with the designations of: **Scene 1**, **Scene 2**, **Scene 3**, **Scene 4**, **Off**, and an **Up Arrow** and **Down Arrow**. Custom Engraved buttons (model CEB) are available enabling you to tailor each button for its particular use. Consult your dealer or our website (www.pcslighting.com) for CEB ordering information.

IMPORTANT SAFETY INSTRUCTIONS

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

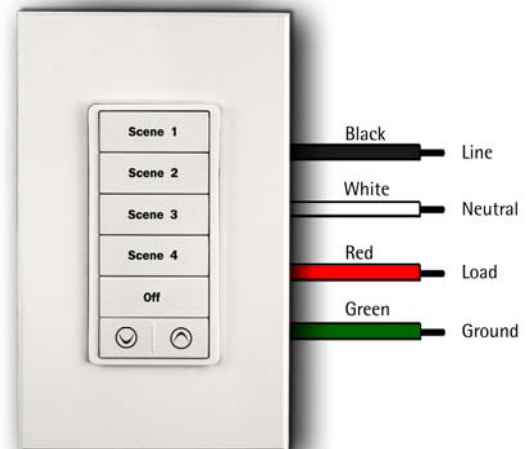
1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
2. Keep away from water. If the product comes in contact with water or other liquid, turn off the circuit breaker and unplug the product immediately.
3. Never use products that have been dropped or damaged.
4. Do not use this product outdoors.
5. Do not use this product for other than its intended purpose.

6. Do not cover this product with any material when in use.
7. This product uses polarized plugs and sockets (one blade is larger than the other) to reduce the risk of electric shock. These plugs and sockets fit only one way. If they do not fit, consult an electrician.
8. SAVE THESE INSTRUCTIONS.

INSTALLATION

The Keypad Load Controllers are designed for indoor use. To install the KPL module in a wallbox follow these instructions:

1. Before installing the KPL into a wall box, ensure that power to the wall box has been disconnected by removing the fuse or turning the circuit breaker off. Installing products while the power is on may expose you to dangerous voltage and may damage the product.
2. Remove any existing wall plate and device from the wall box.
3. Use wire nuts to securely connect the KPL's white wire to the "Neutral" wire, the KPL's black wire to the "Line" wire and the red wire to the "Load" wire (see illustration below).
4. Fit the KPL into the wall box and secure with mounting screws. Install the wall plate.
5. Restore power at the circuit breaker.





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CONFIGURATION

Once your KPL is installed it can be configured either manually or with UPStart Configuration Software Version 6.0 build 57 or higher.

Refer to the Keypad Controller's Manual Configuration Guide available on the PCS website for further details on Manual configuration to add your KPL device into a UPB network and link it to various load control devices.

Although the factory default operation of the KPL is very useful in many situations, it is highly recommended that you program your KPL with a Powerline Interface Module (PIM) and UPStart Configuration Software to take advantage of its many configurable features. User Guides are available on our website, if you need further assistance on how to configure your system.

SETUP Mode

When configuring a UPB system, it will be necessary to place the KPL into SETUP mode. To enter Setup Mode, simultaneously press and hold the **Scene 1** and **Down Arrow** buttons for 3 seconds. All of the LED indicators will blink once the device is in SETUP mode. To exit SETUP mode, again simultaneously press and hold the **Scene 1** and **Down Arrow** buttons for 3 seconds or wait five minutes for it to time out.

Changing a Scene's Preset Light Levels

The Controllers are specially designed to work with other PulseWorx® Lighting System devices. Each pushbutton on these controllers is configured to activate a Preset Light Level and Fade Rate stored within the PulseWorx devices. The Preset Light Levels can be easily adjusted by following this simple procedure:

1. Press the pushbutton on the Controller to activate the currently stored Preset Light Levels (scene) in the Wall Switch Dimmer(s).
2. Use the local rocker switch on the Wall Switch to set the new desired Preset Light Level.
3. Rapidly tap the pushbutton on the Controller five times.
4. The WS1D's lighting load will flash one time to indicate that it has stored the new Preset Light Level.

OPERATION

Once installed and configured the KPL will operate with the stored configuration settings. Single-tap, double-tap, hold, or release the pushbuttons to transmit a preset command onto the powerline. Refer to the Specification Document (available for download) for more details about the keypad operation.

Backlit Pushbuttons

Each of the pushbuttons has a White LED behind it to provide back-lighting and to indicate when loads or scenes are activated. By default, the back-lighting is enabled and pressing a pushbutton will cause it to illuminate brighter than the others.

Factory Default Settings

To restore the following default settings put the KPL into SETUP mode and then simultaneously press and hold the **Scene 2** and **Off** buttons for about 3 seconds. The indicators will light up to indicate that factory defaults have been restored.

Network ID:	255
Unit ID KPLD7:	75
Unit ID KPLR7:	74
Network Password:	1234
Receive Sensitivity:	High
Transmit Count:	Twice
IR Options:	N/A
LED Options:	Backlight enabled/ High
Scene 1 Button Mode:	Link 1: Link Activate
Scene 2 Button Mode:	Link 3: Link Activate
Scene 3 Button Mode:	Link 4: Link Activate
Scene 4 Button Mode:	Link 5: Link Activate
OFF Button Mode:	Link 2: Link Activate
UP Button Mode:	Last Link: Bright Button
DN Button Mode:	Last Link: Dim Button
	KPLD / KPLR
Load Settings Link 1	100% / 100%
Load Settings Link 2	0% / 0%
Load Settings Link 3	80% / 100%
Load Settings Link 4	60% / 100%
Load Settings Link 5	40% / 100%
Load Settings Link 6	20% / 100%
Load Settings Link 8	Blink .5 Sec/ Blink .5 Sec

LIMITED WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in materials and workmanship for a period of five years from the date of purchase. Refer to the warranty information on the PCS website (www.pcslighting.com) for exact details.



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