

Light Dimmer RLD - 6 *plus*

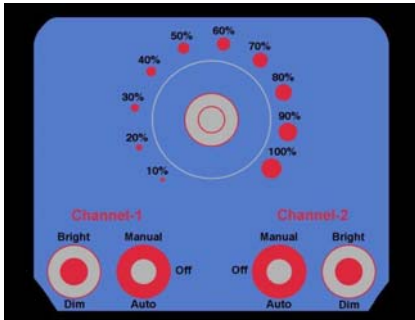


One Channel Light Dimmer Set (P/N: P-RLD-62PL-S-V1/2)

General Description

- Two independent channels.
- Independent **Bright** and **Dim** switches.
- Independent **Manual**, **Off** and **Auto** switches.
- Adjustment knob for manual dimming.
- Operates alone, free standing.
- Operates with any 0-10 volt DC control output controller.

General Operation



The RLD-6Plus operates in manual and automatic modes.

- When the channel switch position is **Auto** and **Dim**, the light intensity is according to the 0-10 Volt control output from a connected controller.
- Once switched to **Manual** and **Dim**, the knob controls the light, and the 0-10 Volt input is disregarded.
- In order to turn the light on (full intensity), switch to **Bright**.
- When the switch is **Off** the light will turn off in any mode position.
 - The knob controls either one channel or both channels simultaneously.

INSTALLATION



NOTE: installation of the RLD-6Plus is to be made only by an authorized electrician.

1. Mount the RLD-6Plus on the wall, using the 4 supplied screws through the mounting holes.
2. Open the enclosure lid by remove the six screws on the front.
3. Place the required wires through the wire holders at the bottom of the unit. Connect the wires according to the wiring diagrams.
4. Connect controller's 0-10 Volt analog output card to the RLD-6Plus 0-10 Volt input (positive left, negative or common right). Connect power to the RLD-6Plus and high current line to the light line.
5. To connect the 0-10 volt wire to the controller use two conductor #18-#24 gauge cable. Connect the minus (-) to the Common terminal on the controller terminal block, and the plus (+) to 0-10V out terminal.
6. The wires that supply power to the RLD-6Plus also supply power to the Light. Make sure that you use the correct wires for the load.
7. Close the RLD-6Plus enclosure lid carefully and tightly.
8. After installation is completed, operate the RLD-6Plus and the controller for a few hours and re- check for proper operation.

Internal Trimmer Calibration.

There are two trimmers, one for each channel located under the ribbon cable on the electronic control module.

In case of different light intensities between the channels, open the RLD-6Plus and calibrate the lights by turning the trimmer's screw.

TECHNICAL SPECIFICATIONS

120VAC 50/60Hz

Input Power Voltage

One Phase 120 VAC 50-60 Hz. Per channel

Output Power Max Load:

One Channel 3500W 120V 50/60HZ

Two Channels 7000W 120V 50/60HZ

DC input control voltage: 0 –10VDC 2mA

Operating Temperature Range: 32°F to 122°F

Enclosure: Water and dust tight. (IP54)

Main Fuse: 100mA 125/250V T

240VAC 50/60Hz

Input Power Voltage

One Phase 240 VAC 50 - 60 Hz. Per channel

Output Power Max Load:

One Channel 4500W 240V

Two Channels 9000W 240V

DC input control voltage: 0 –10VDC 2mA

Operating Temperature Range: 0°C to 50 °C

Enclosure: Water and dust tight. (IP54)

Main Fuse: 100mA 125/250V T

Environmental Protection



Recycle raw materials instead of disposing as waste. The controller, accessories and packaging should be sorted for environmental-friendly recycling. The plastic components are labeled for categorized recycling.

RLD-6PL Connected to Platinum Plus Wiring Diagram

