# LED Repeater

## Installation instructions for LS-3R-6A

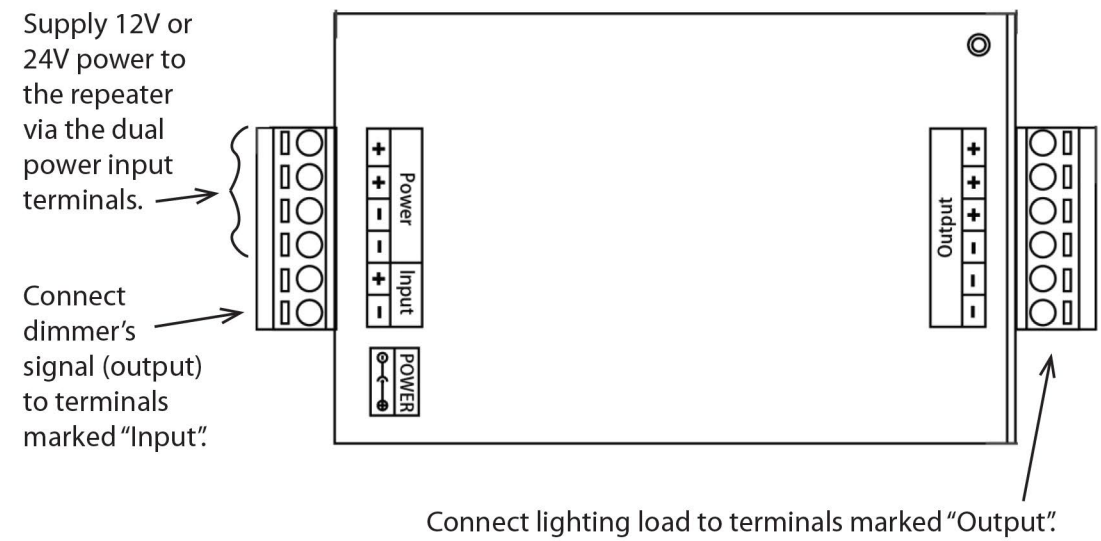
**WARNING**: These products may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with these instructions, current electrical codes and/or the current National Electric Code (NEC). Install in a well-ventilated area free from explosive gases and vapors. Proper operation requires the free flow of air.

### PLEASE READ THE FOLLOIWNG CAREFULLY BEFORE PROCEEDING!

**CAUTION - To reduce risk of fire, electric shock or injury to persons:**

1. **BE SURE THAT REPEATER IS DISCONNECTED AT THE SOURCE BEFORE PROCEEDING!**
2. **DO NOT OPEN THE REPEATER OR ATTEMPT TO SERVICE - THIS COULD CREATE A SHOCK HAZARD AND/OR DAMAGE THE DEVICE!**
3. **DO NOT CONNECT 120V CURRENT TO THIS DEVICE. IT MUST BE POWERED ONLY BY 12V OR 24V CONSTANT VOLTAGE POWER.**
4. For all wire-to-wire connections, use UL Listed wire nuts.
5. For all connections to the driver's terminals, place conductor(s) between the metal plates, wrap it around terminal screw clockwise so it stays in place as the terminal screw is firmly tightened for strain relief. See Constant Voltage Drivers' installation instructions for details.
6. The repeater has triple output (three positive and three negative terminals). Make sure that the total connected load for each set does not exceed 6 amps (72 watts for 12V; 144 watts for 24V).
7. The operating temperature for the repeater is -20°C to +50°C.
8. The repeater can be powered by the same power supply as the LED lighting load or it can be powered by a separate driver. See also installation instructions for the Constant Voltage Drivers (PS-25/60/100/150-12/24). There are dual power input terminals. The single + and - terminals marked "Input" are for the dimmer's signal so that multiple runs can be controlled by one dimmmer in unison. See Figure 1 below. The output terminals allow three lighting loads to be attached, but not to exceed the maximum run of the lighting product itself, nor the maximum combined capacity of the drivers connected to it (via the input side)

Figure 1

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