



PWM Injector

EL-PWMINJ
 Length: 3.75 in.
 Width: 2 in.
 Height: 1.2 in.
 Voltage: 12V DC
 Maximum Load: 5 Amps (60W) per channel
 Working Temp.: 68° - 140° F, 20° - 40° C
 Connection: common anode
 Output: three-CMOS open-drain



The PWM (Pulse Width Modulation) Injector works with the Reign 12V LED Dimmer Switch and doubles the LED lighting output of the dimmer from 60 to 120 watts. Once connected to the output circuit of the Reign Dimmer, the PWM Injector drives an additional 60 watts, allowing you to put an additional 60W worth of LED lights on a single 12V LED dimmer. And the PWM signal is opto-isolated and regenerated, meaning several PWM Injectors can be attached to the same Reign LED switch, and controls the signal when multiplied over long distances. Thus, the PWM Injector eliminates one of the biggest drawbacks of a dimmer LED switch.

The PWM Injector must be connected to a 12V DC power supply separate from the dimmer switch. It can either be powered by the same 12V Driver as the LED lights or have its own 12V power source, if it needs to be installed at a distance from the Reign switch. It just needs to be drawing its own 12 volts.

The PWM Injector features a sturdy waterproof housing with a detachable backing plate that allows the unit to be mounted on a flat surface. This 12V DC accessory has one input that connects to the output wires of the Reign Dimmer, one output that connects to the 12V LEDs, and one 12V power input. Go to the next page to see a detailed schematic for installing the PWM Injector, and expanding the wattage capacity and range of the Reign 12V Dimmer Switch.



