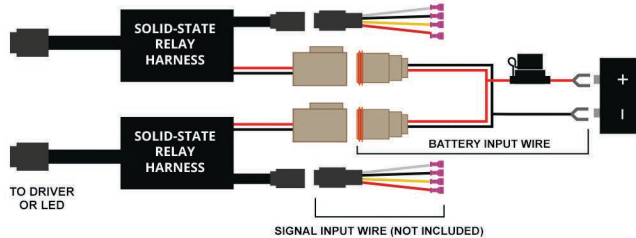


Switchback Solid-State Relay Harness

DIODE DYNAMICS
PERFORMANCE LIGHTING TECHNOLOGY

FEATURES

- ▶ Used for any LED installation, in place of standard relay
- ▶ Activate LEDs from three independent factory signals, with no errors
- ▶ Designed to power drivers with JST connectors
- ▶ Up to 8 amp draw at 12 volts, or 96 watts DC
- ▶ Fully waterproof and shockproof, validated for -40 to 185°F operation



SPECIFICATIONS

Max load: 8A at 12V DC, 96 watts

Input voltage (power): 12-16V

Operating Voltage: 5-16V

Input voltage (signal): 5-16V, PIC microcontroller compatible

Signal input waveform: Minimum 50% duty cycle, 100 Hz to generate flicker-free "on" signal

UNIVERSAL INSTALLATION INSTRUCTIONS

1. Attach the Battery Input Wire to your positive and negative battery terminals.
2. Plug Battery Input Wire into the Solid-State Relay Harness.
3. Plug the input wire (not included) into the Solid-State relay harness. If you are not using the Solid-State relay with Diode Dynamics products, input wires may be purchased separately, or you may cut and connect the wire leads directly to your application.
4. Connect your vehicle signals to the inputs as desired. Standard input functions are shown below for each wire color of the Solid-State relay.

DD WIRE	FUNCTION
WHITE	Low Power, 50% Brightness
RED	High Power, 100% Brightness
YELLOW	Turn Signal
BLACK	Ground

EXISTING INSTALLATION FIX INSTRUCTIONS

1. Unplug the input wire from driver and factory wires. If you have tapped factory signals, you may leave the T-taps installed. They will be used again.
2. Connect the Solid-State Relay Harness to your driver.
3. Connect the battery input wire to the Solid-State Relay Harness. Run the battery input wire to the battery, and connect to the positive and negative battery terminals.
4. Plug the original input wire into the Solid-State relay harness. Please refer to the product-specific installation guide for your vehicle's wire colors, or use the table above.