

DIMMER SWITCH WIRING

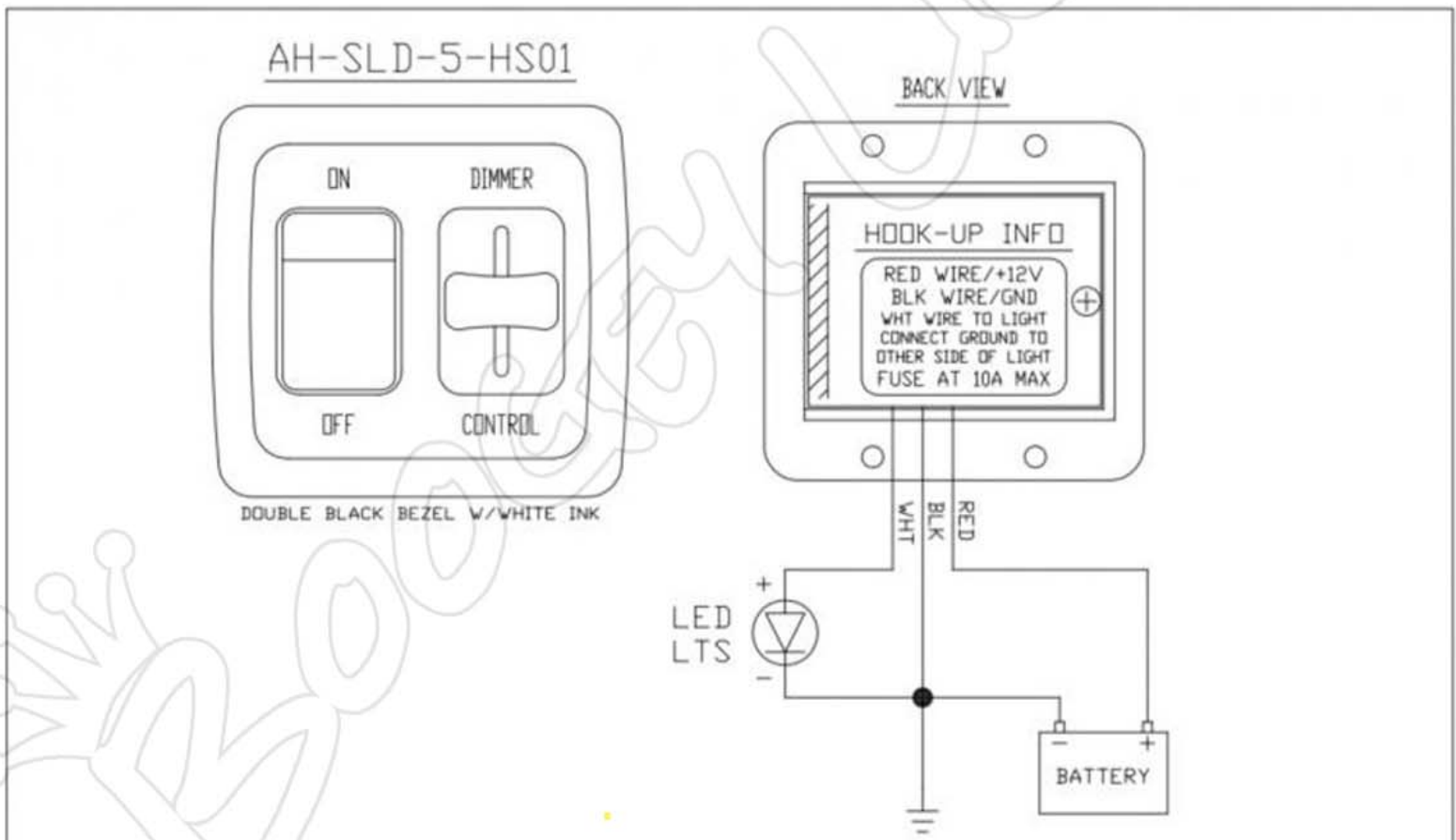
This dimmer switch is designed to be used with single color LEDs. It will allow you to dim and turn the LEDs on/off. It does the same thing as an LED controller but for single color LEDs. Do not wire this dimmer switch in front of an LED controller.

RED WIRE = 12vdc+ from battery or power source

WHITE WIRE = 12vdc+ to LED strip positive

BLACK WIRE = 12vdc- ground

(you'll need to wire the LED strip to ground too)

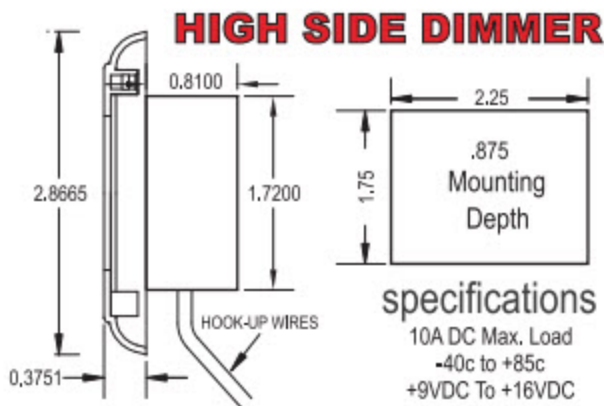


Note: BOOGEY LIGHTS does not manufacture this dimmer switch. We offer it for sale as a convenience to customers. We do not provide technical support for installation of this switch into your existing wiring. If you do not understand the wiring diagram provided by the manufacturer, we suggest asking someone with 12vdc switch and circuitry experience who can be onsite to assist with installation. For technical support on this switch, contact American Technology directly (<https://www.atcomp.com/contact>).

HOOK-UP INSTRUCTIONS

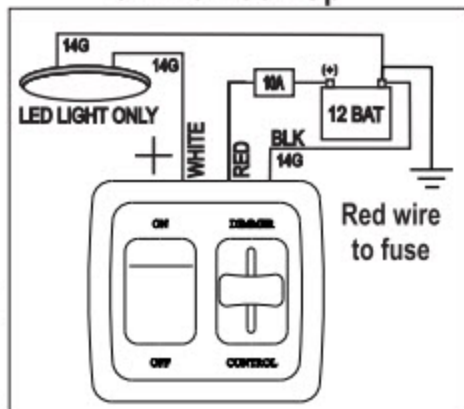


AH-SLD-1-HS01



Must be fused at no more than 10 amps.
Power wire min, 14 gauge (may need 10).

3-Wire Hook-Up



An electronic 12v light dimmer is a PWM (Pulse Width Modulated) device. It turns the circuit from full ON to full OFF many times per second. By varying the width of the pulses the circuit goes from full width pulse (maximum brightness) to a narrow width pulse (most dim). Depending on the load, each time it turns ON a voltage surge occurs. If the wire is not heavy enough to handle these surges, a voltage drop occurs with each pulse. This can create noise, especially if entertainment devices are on the same fuse block. Incandescent lamps typically do not cause a problem. Halogen lamps are the leading cause of interference due to heavy turn ON surges coupled with inadequate wiring. An ideal situation would be for the dimming circuit to have a dedicated wire of large enough capacity run directly from the battery post so it will not modulate the electrical system with PWM spikes.

The operating range of the Slide Dimmer is 9VDC to 16VDC and requires a battery regulated power supply voltage.



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