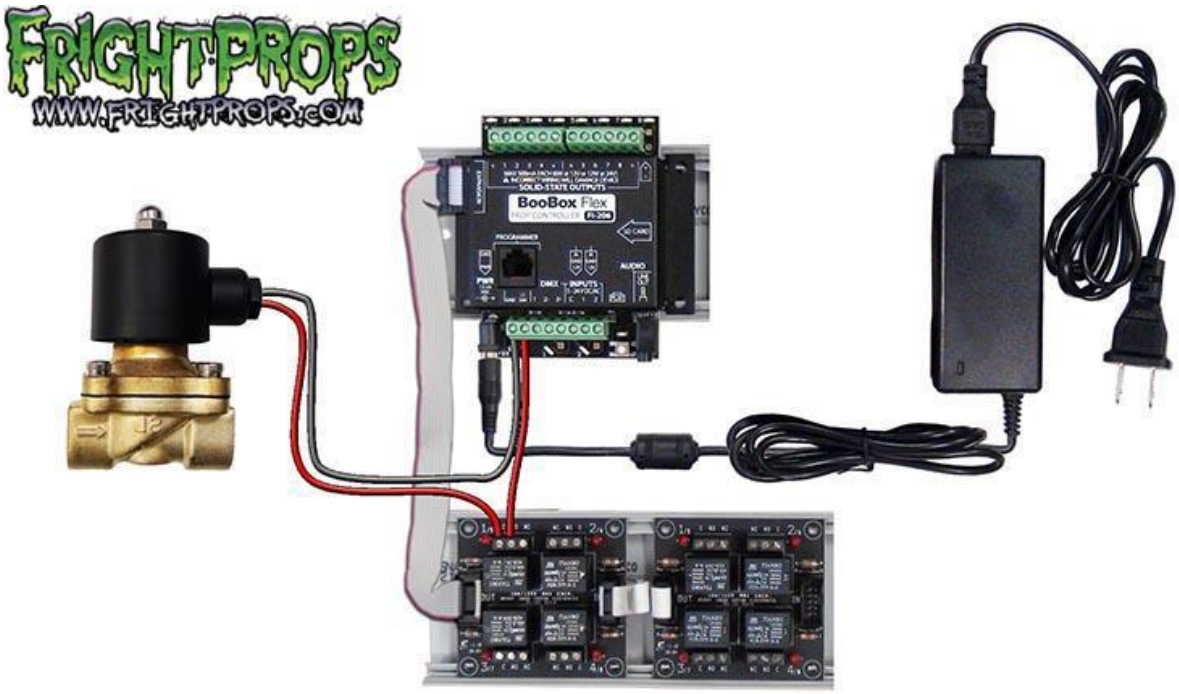
The BooBox Flex and BooBox Flex Max contain solid state outputs and not relays. Solid state outputs can directly power 12VDC or 24VDC low-wattge devices. If the devices you will be powering require a lot of current then you will need to use an add on relay board. High-wattage devices that require relays include our prop motors, linear actuators, and large solenoid valves. You will also need a relay board if you need to power high-voltage devices (such as 110VAC lights).

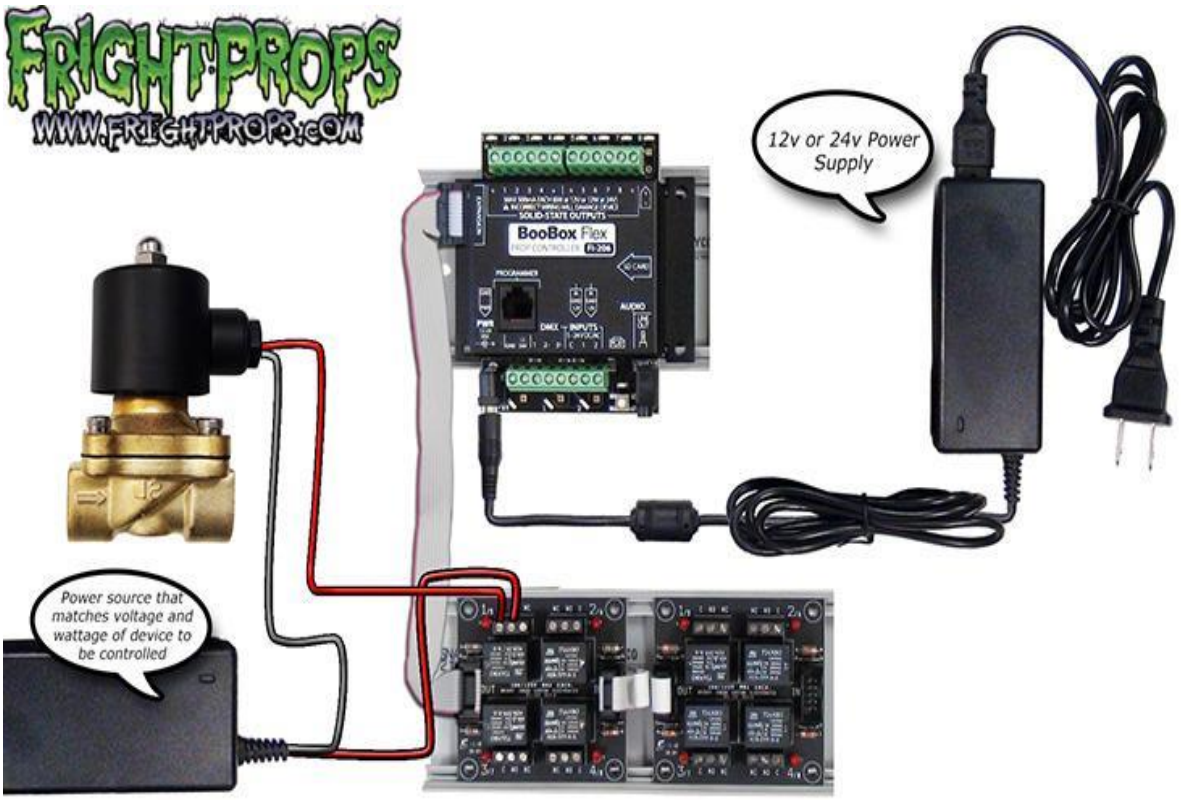
HIGH WATTAGE DEVICES / SHARING POWER

This diagram shows how to use a relay and also how to share a single 12V 5A power supply to power the BooBox and also fire off a device (a solenoid is shown but this could be any 12V device). The single power supply must output enough wattage to power the Flex and also the device you will be activating.



HIGH WATTAGE DEVICES / SEPARATE POWER

This diagram shows how to use a relay and a separate 12V 5A power supply to power a device (a motor is shown but this could be any device).



HIGH VOLTAGE DEVICES

This diagram shows how to use a 110V AC device with the Boobox Flex.