

# PWM 1612 Voltage Reducer

This voltage reducer will drop your battery voltage from 16 to 12 Volts. It will deliver 30 Amps of current and has an internal remote reset 30 Amp circuit breaker. At full load its outside temperature will only rise 40 degrees Fahrenheit and therefore will not cause any problems as to where it can be mounted. It must however be mounted out of the weather. The mounting screws require 1/8"dia.mounting holes. Dimensions are 6.5"L x 1.6"W x 1.2"H. Weight is 7 ounces.

**Note: this voltage reducer is intended for use with motors (fuel pumps, fans, etc.) and lights. It is not recommended for use with electronics such as ignition boxes, ecus, etc.**

## Wiring Instructions

Accessory output wire: Red with Purple stripe 12 gauge

Battery input wire: red 12 gauge

Ground wire: black 20 gauge

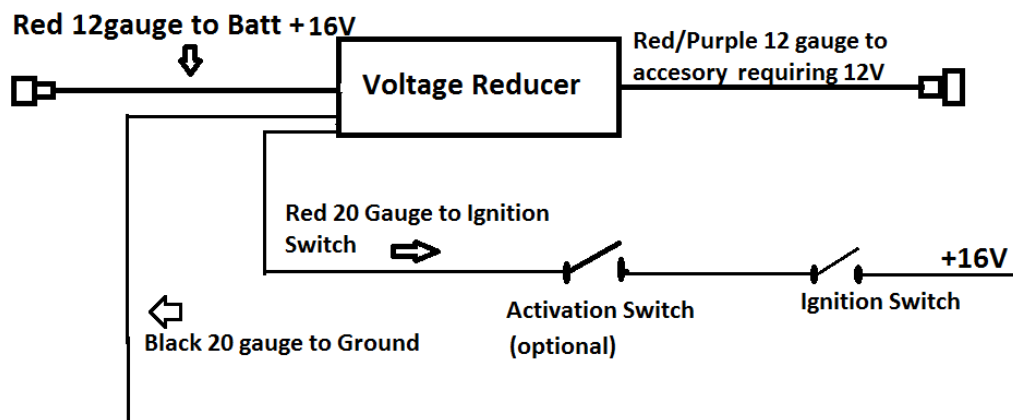
Ignition/ Turn-on lead: red 20 gauge

1. Mount unit
2. Connect output red/purple 12 gauge to load(accessory to operate on 12 V)
3. Connect black ground lead to grounded surface
4. Connect 16V battery input lead (red 12 gauge) directly to battery power
5. Connect turn on lead (red 20 gauge) to either ignition switch or a separate switch supplying 16 volts

Note: you will not be able to read the 12 Volt output with a meter until the unit is running and connected to an accessory (load).

The internal circuit breaker is a remote reset design. If it trips from an overload, it will only reset when the turn-on lead is turned off for at least 5 seconds then turned back on again.

## Recommended Hookup



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