

# The Ray Allen Company Inc.

2525-8 Pioneer Avenue, Vista, CA 92081 USA Phone 760 599 4720 FAX 760 599 4383

[www.rayallencompany.com](http://www.rayallencompany.com)

## REG-1 VOLTAGE REGULATOR (28V-12V)

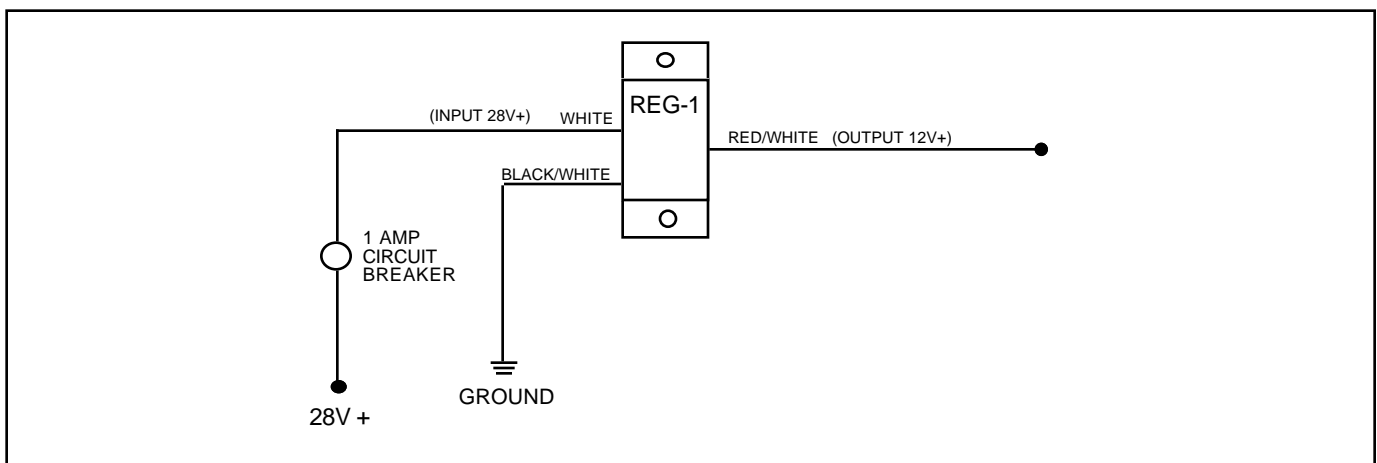
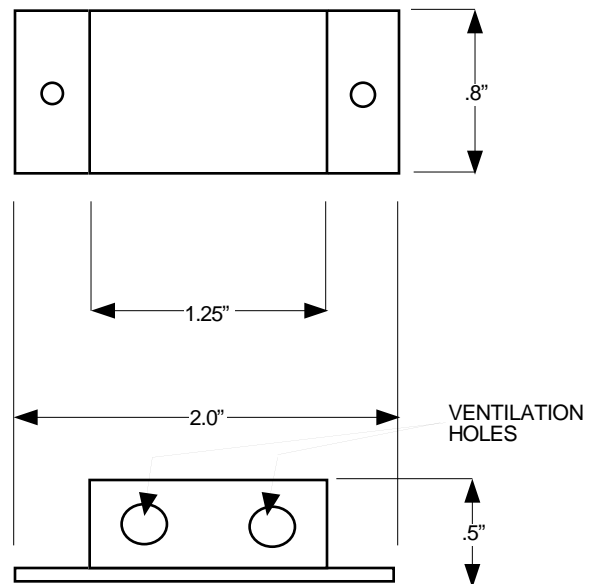
### INSTALLATION INSTRUCTIONS

Install the voltage regulator at any convenient location preferably near the trim switch or indicator.

The regulator has a 1 amp capacity. However, because of the small heat sink, we do not recommend a constant load of more than .3 amps. You can operate a maximum of 2 separate trim systems off of one REG-1 voltage regulator. The regulator, especially when powering the LED type indicator, gets warm to the touch. Be sure wherever you mount it has enough cooling air circulation.

Secure to the airframe with screws through its mounting flange or simply tie onto a wire bundle with nylon straps, etc. It is not necessary to ground the case of this unit.

Wire according to the wiring diagram below. Use appropriate wire connectors or solder all connections and use a heat-shrinkable tubing for insulation. Fuses and circuit breakers are not included.



**Warning:** Installation and use of Ray Allen Company products is the responsibility of the aircraft designer and builder. Use of Ray Allen products in any application which will exceed their capability can cause failure leading to injury or death.