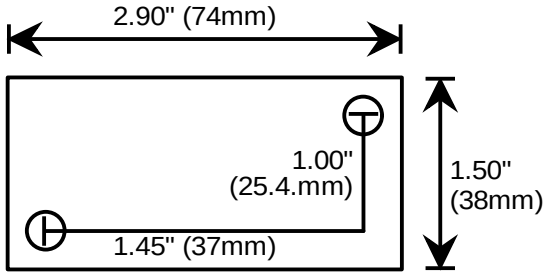
RCE86 Bigger Battery Eliminator - Instructions

Converter Specifications

Input voltage	RCE86-12 (12 volt) 9 to 18 volts RCE86-24 (24 volt) 18 to 36 volts RCE86-48 (48 volt) 35 to 72 volts
Output voltage	5 vdc (80mV ripple P-P)
Output current	1200 ma

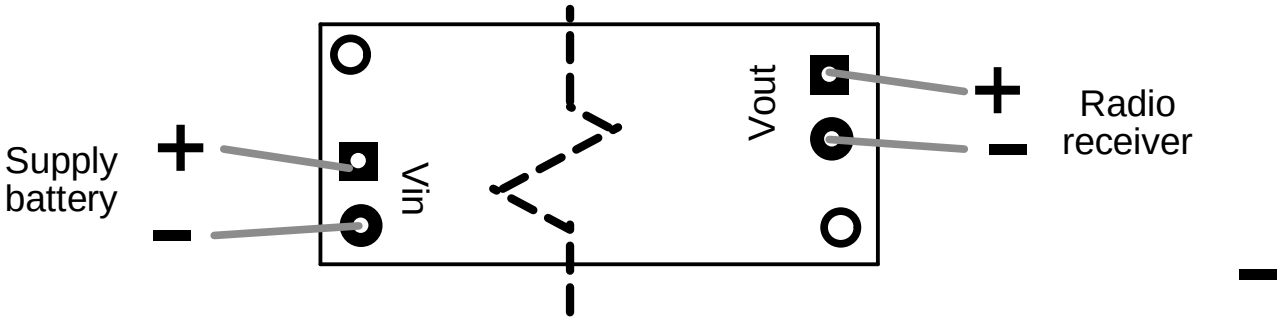
Mechanical Mounting

The RCE86 PC board was designed to be secured by two #6 machine screws to a flat surface. The orientation is not important. If you use small stand-off spacers be sure they do not short any of the traces on the board. If you intend to use this product in an environment subject to harsh shocks you may wish to locate some rubber vibration isolators to use in place of stiff metal stand-offs.



Wiring Hook-up

You will only need to solder four wires to get this industrial DC-DC converter installed in your.` system. Please refer to the description and the diagram below:



"Vin" connections:
- Square pad to the positive side of your main supply battery.
- Round pad to battery ground

"Vout" connections:
- Square pad to the +5 volt line of your R/C receiver
- Round pad to receiver ground

If you are unsure as to the correct R/C receiver wires to use, consult the operator's manual that came with your R/C rig.

Hint: cut the interface wire off an old airplane servo and solder the +5 and ground lines to Vout pins to make it easy to plug into your receiver. Or, add an optional R/C servo lead to your order.

Important! If you connect the battery supply ground to the radio receiver ground you will lose out on significant noise reduction advantages in your system. The RCE86 will still work in this application but it is not optimal.

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