



50-140 AND 51-140 ISOLATOR Owner's Manual

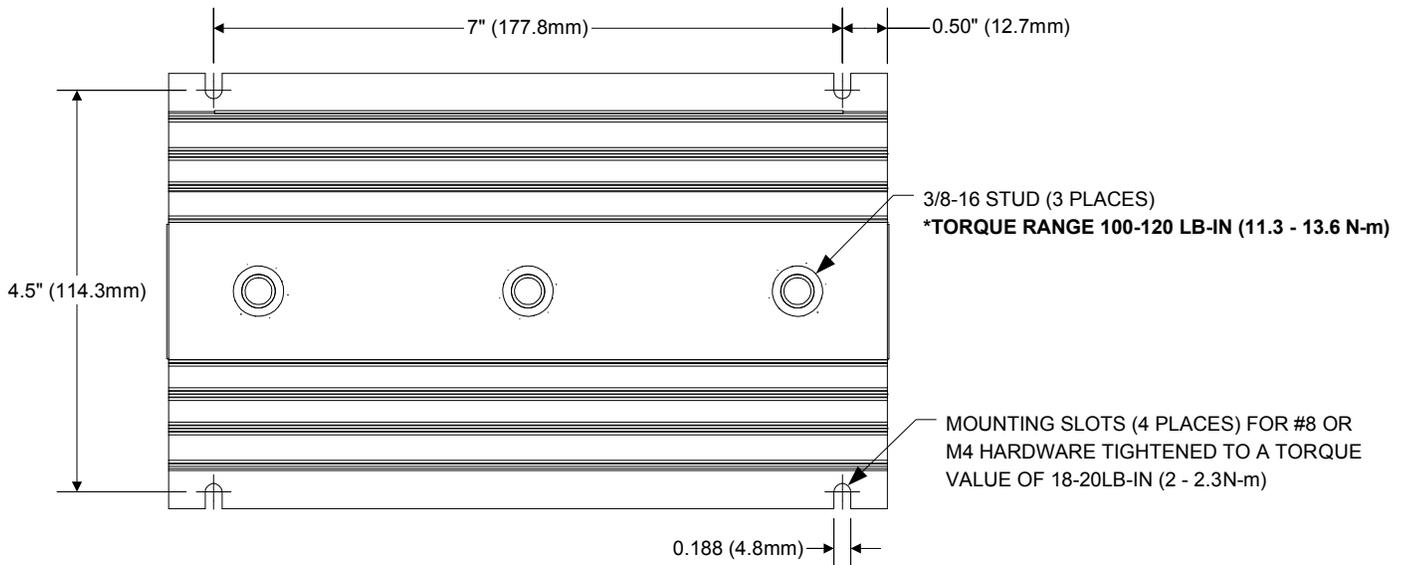
GENERAL

The 50-140 and 51-140 Isolators have been designed to operate in the most severe environments. The 51-140 Isolator utilizes Schottky diodes, vs Silicon, to reduce the voltage drop associated with current passing through them.

SPECIFICATIONS

Model Number:	50-140	51-140
Maximum Amperage:	180 Amps/Alt 165 Amps/Leg	250 Amps/Alt 200 Amps/Leg
Input Voltage:	0 - 32V DC	
Operating Temperature:	-67°F to +140°F (-55°C to +60°C)	
Storage Temperature:	-67°F to +257°F (-55°C to +125°C)	
Environmental Considerations:	Components are fully encapsulated/potted	
Mounting Location:	Mount on a flat surface with the fins in a vertical orientation to maximize convection cooling efficiency. The isolator has been designed to withstand limited exposure to direct pressure spray. Mounting it in a location that exposes it to continual direct pressure spray may reduce the serviceable life of the isolator.	
Weight	3 lbs (1.4kg)	

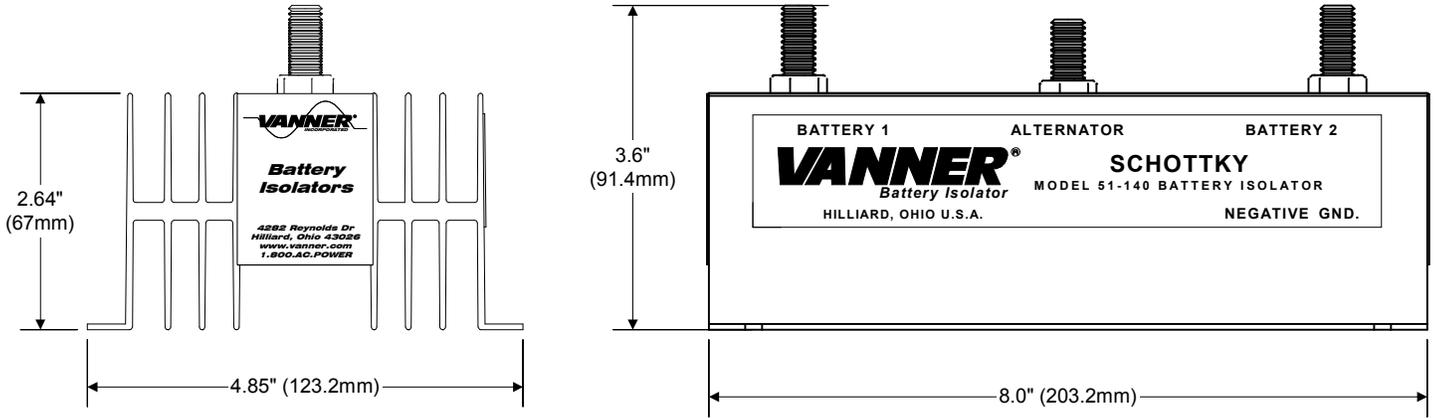
MOUNTING DIMENSIONS (SEE SHEET 2 FOR ADDITIONAL DETAILS)





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MOUNTING DIMENSIONS CONTINUED



TYPICAL VEHICLE WIRING DIAGRAM

