



NOTES:

1. If K8 switches an accessory 12V battery, do not install a jumper at J9-J10. Connect J11 to the battery's 12V+, and J10 to the accessory battery's 12V-.
2. If K8 switches a propulsion battery, install a jumper wire between J9-J10. Do not connect any other wires to J9-J10.
3. Relays are P&B T92S7D12-12, American Zettler AZ2850-2A-12DE, or Magnecraft/SD W92S7D12-12, 12v 139mA coil, DPST 277vac 30a.
4. Fuses are Littelfuse 3AB or Buss ABC, 125vdc 20a, axial leads.
5. REV B: Add LEDs and resistors to indicate relay status. Add diodes to allow bank selecting up to 10 relay boards (80 batteries). J1-J13 were screw terminals, now have pads for either screw terminals or 0.25" quick-connects.

TMSI c/o Lee A. Hart  
 814 8th Ave N  
 Sartell, MN 56377  
 (320) 656-9574  
 leeahart@earthlink.net

Title		
BATTERY BALANCER relay board RELAYBD.SCH		
Size	Document Number	REV
A	RELAYBD.SCH (C) 2007 by TMSI	B
Date:	May 1, 2007	Sheet 1 of 1