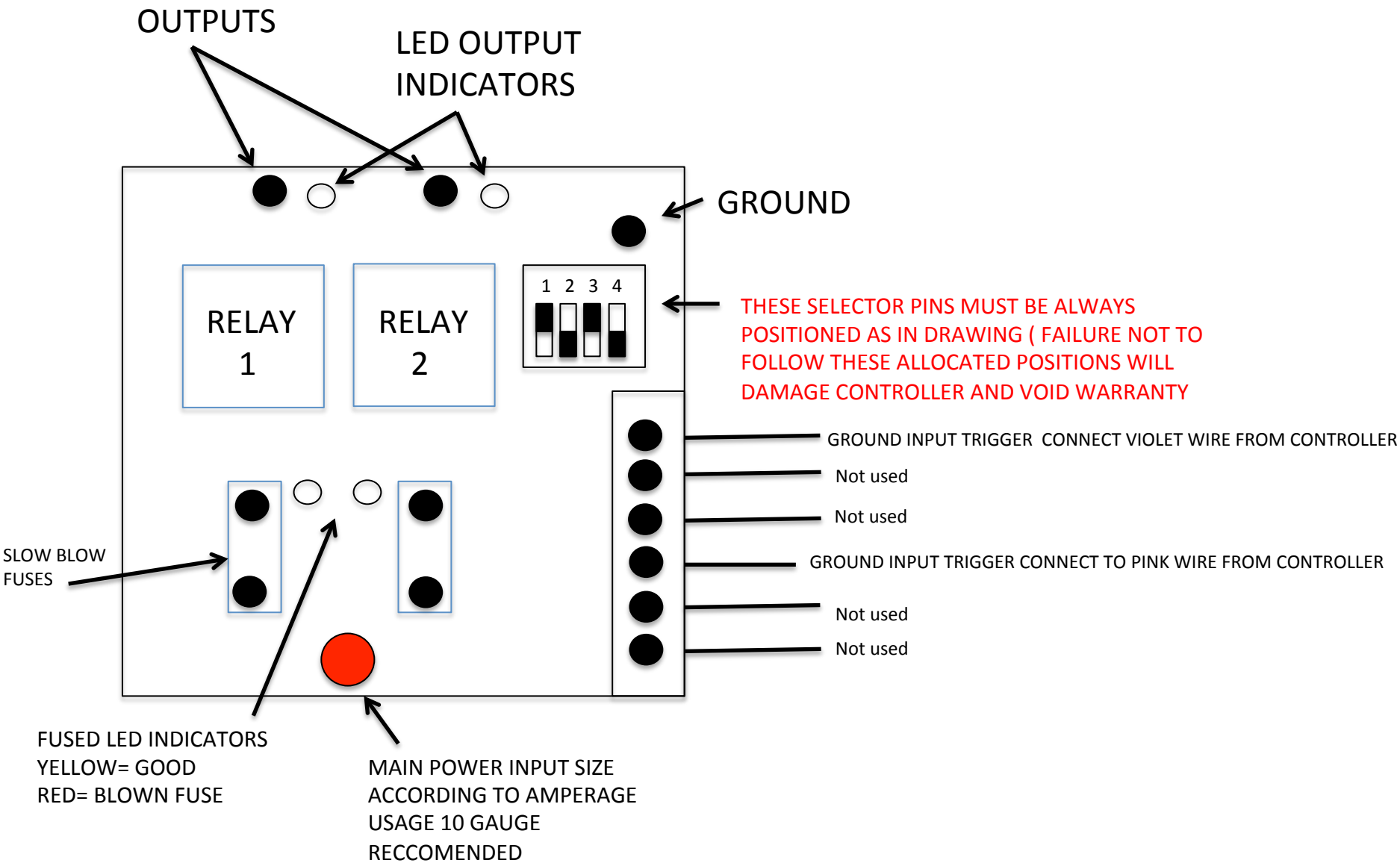
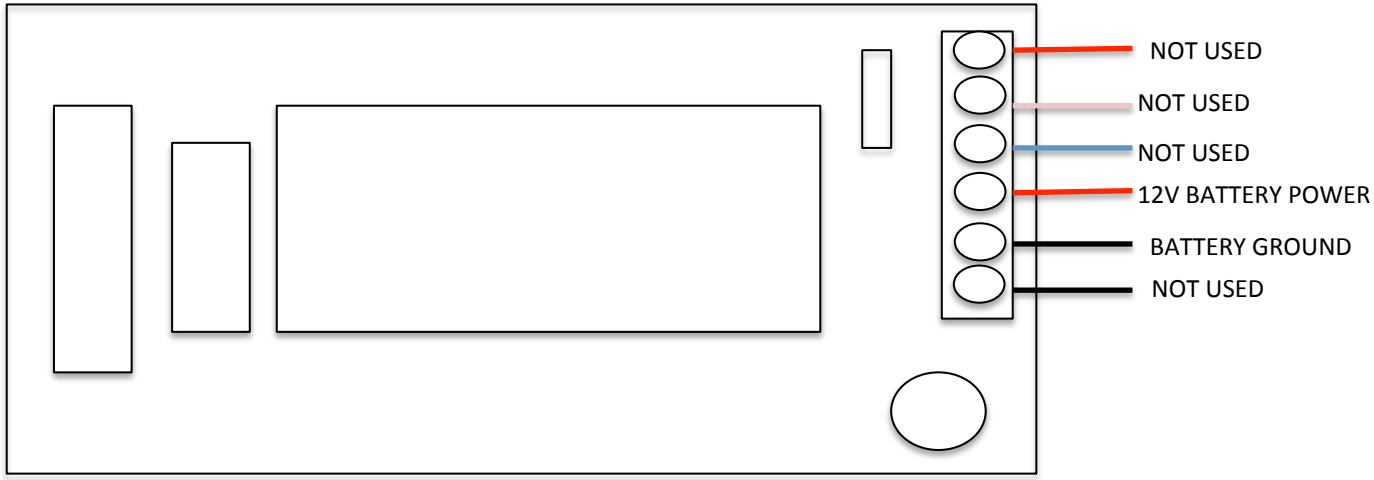
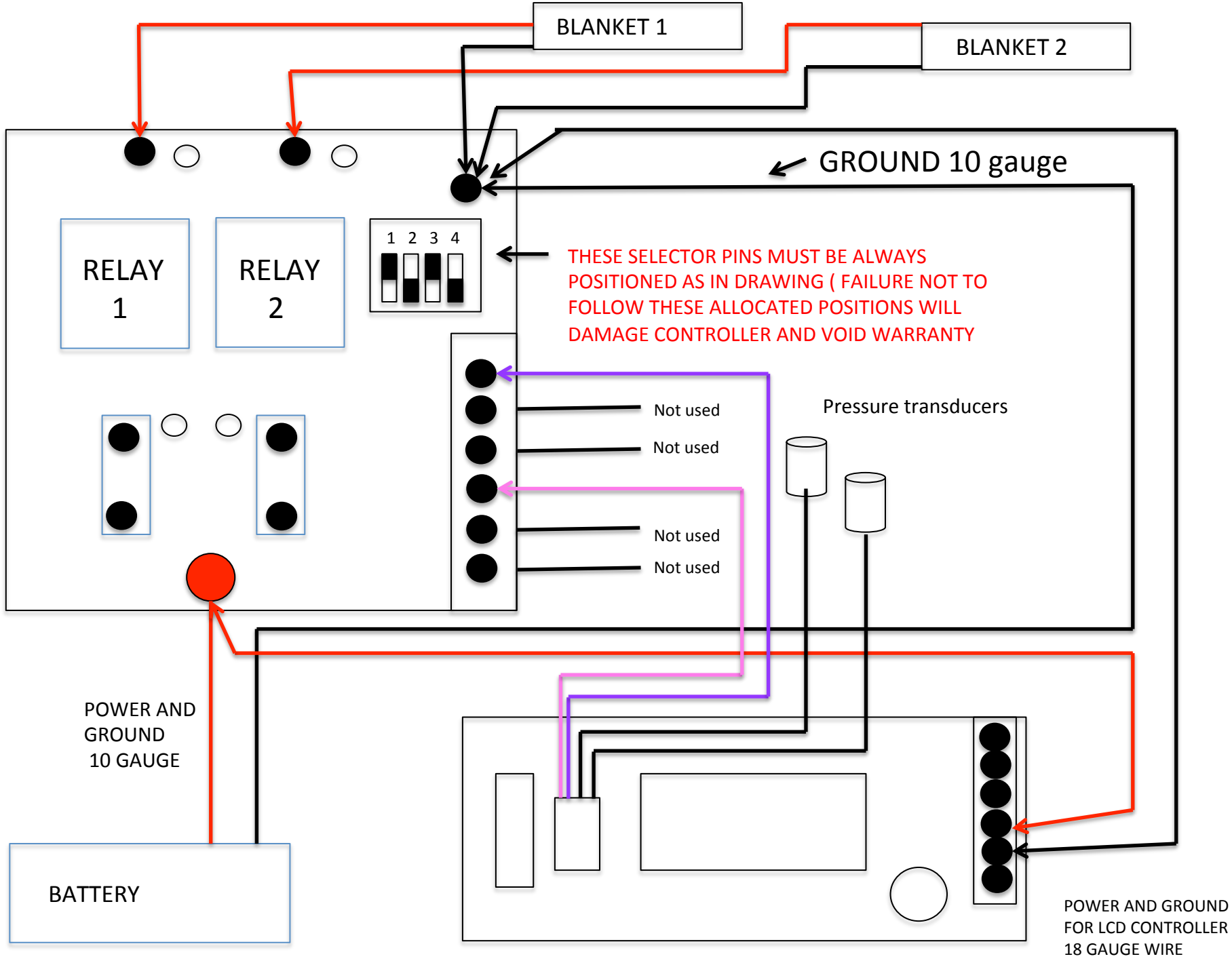

OUTPUTS
LED OUTPUT INDICATORS
GROUND
RELAY 1
RELAY 2
1 2 3 4
THESE SELECTOR PINS MUST BE ALWAYS POSITIONED AS IN DRAWING (FAILURE NOT TO FOLLOW THESE ALLOCATED POSITIONS WILL DAMAGE CONTROLLER AND VOID WARRANTY
GROUND INPUT TRIGGER CONNECT VIOLET WIRE FROM CONTROLLER
Not used
Not used
GROUND INPUT TRIGGER CONNECT TO PINK WIRE FROM CONTROLLER
Not used
Not used
SLOW BLOW FUSES
FUSED LED INDICATORS
YELLOW= GOOD
RED= BLOWN FUSE
MAIN POWER INPUT SIZE ACCORDING TO AMPERAGE USAGE 10 GAUGE RECCOMENDED

SPEEDWIRE SYSTEM BOTTLE PRESSURE REGULATION CONTROLLER

FUNCTION: This system is designed to work as a separate system from your car battery and electronics with an external pit battery or portable battery.

When power is applied to the system, the on screen prompt will always ask if user wants to turn the system on, by turning shaft encoder the prompt will change to yes or no, by pressing down this will enter the selection and turn the system on to operate the bottle heaters. Once yes is selected the user may change the settings as needed, factory preset is 900 to 1000 psi. The screen will show selected on and off pressure along with live pressure reading for both bottles. Never install a fuse higher than 3 amps as this will damage the controller and void warranty. If this unit is installed in the vehicle and welding is to be performed remove this and any other sensitive electronic components for the vehicle such as EFI, ignition systems, and data recorders.

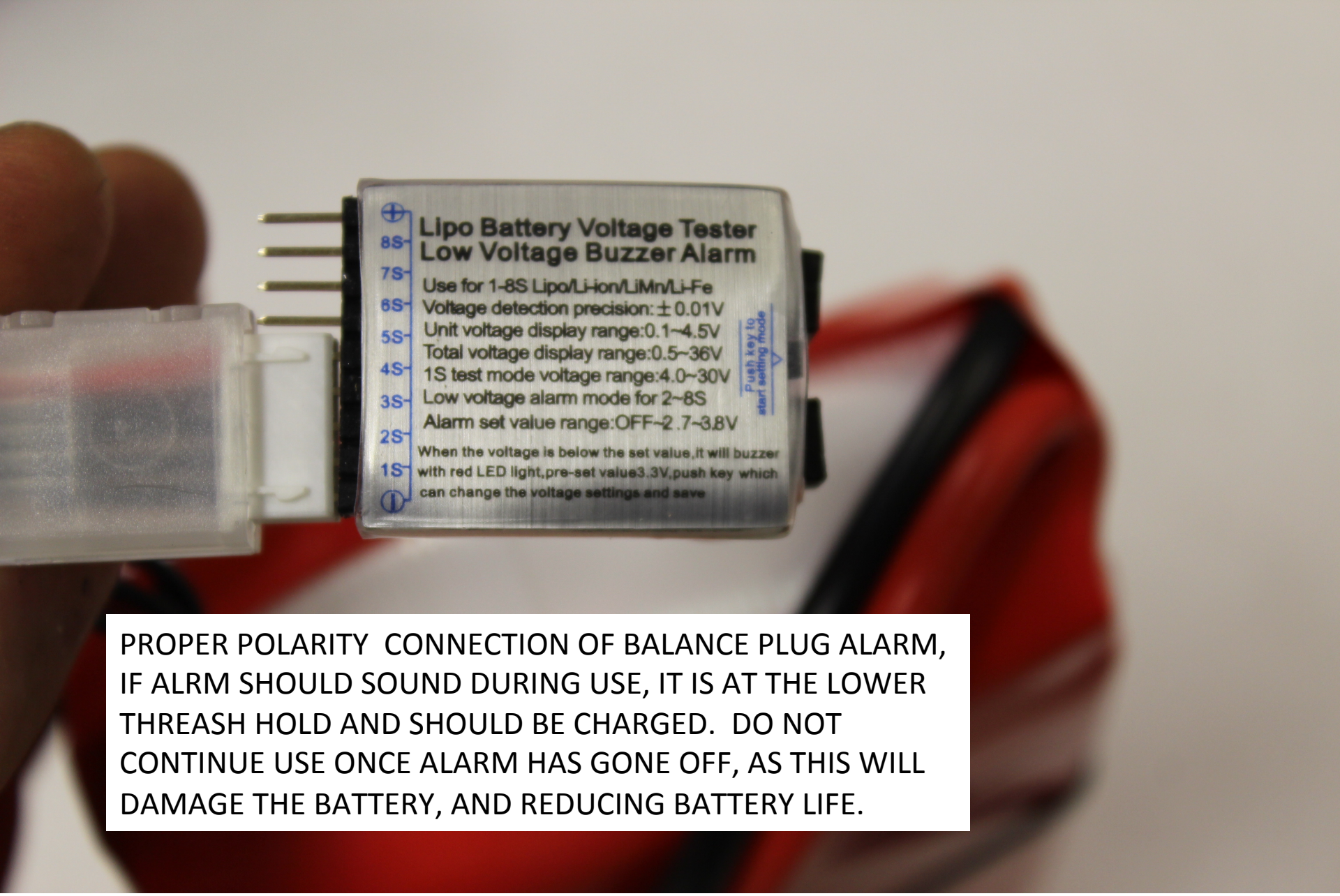



BLANKET 1
BLANKET 2
GROUND 10 gauge
RELAY 1
RELAY 2
1 2 3 4
THESE SELECTOR PINS MUST BE ALWAYS POSITIONED AS IN DRAWING (FAILURE NOT TO FOLLOW THESE ALLOCATED POSITIONS WILL DAMAGE CONTROLLER AND VOID WARRANTY
Not used
Not used
Not used
Not used
Pressure transducers
POWER AND GROUND 10 GAUGE
BATTERY
POWER AND GROUND FOR LCD CONTROLLER 18 GAUGE WIRE

IMPORTANT NOTES ON PORTABLE LITHIUM BATTERY

1) NEVER CHARGE BATTERY UNATTENDED

2) ALWAYS KEEP ALARM MONITOR PLUGGED IN BALANCE (WHITE PLUG) WHEN USING BATTERY FOR BOTTLE HEATING IN THE LANES, ONCE THE ALARM GOES OFF YOU HAVE REACHED THE THREASH HOLD OF THE MINIMUM BATTERY VOLTAGE, IF USE IS CONTINUED BATTERY WILL BE DAMAGED AND LIFE CYCLE DEPLEATED.
3) CHARGE BATTERY WITH BALANCE PLUG CONNECTED IN CHARGER, AND SELECT 4S, LIPO, BALANCE CHARGE, 4 AMPS (SEE CHARGER INSTRUCTIONS). WHEN CHARGER IS IN OPERATION IT WILL GET HOT THIS IS NORMAL AS THE CHARGER IS WORKING AND MOSFETS ARE HEATING UP. THE BATTERY WILL GET WARM BUT NIVER HOT TO THE TOUCH. IF BATTERY IS HOT TO THE TOUCH OR SMOKING IMMEDIATELY TURN OFF CHARGE DISCONNECT BATTERY AND PLACE ON THE SIDE.
4) IF BATTERY IS SWOLEN, IMPACTED, OR DAMAGED IN ANY WAY DISCARD AT YOUR LOCAL RECYCLING FACILITY, AND NEVER TRY TO CHARGE OR REPAIR BATTERY, PERSONAL INJURY WILL RESULT!
5) (DISCLAIMER) LITHIUM BATTERIES CAN BE DANGEROUS AND EXPLODE OR CATCH FIRE, AND SHOULD BE HANDLED WITH CARE, SPEEDWIRE SYSTEMS OR IT'S OWNERS ARE NOT IN ANY WAY RESPONSIBLE IN FOR ANY DAMAGES OR CONSIQENTIAL DAMAGES SHOULD THE BATTERY CAUSE ANY FIRE, EXPLOSION, OR CAUSE PERSONAL INJURY OR CONTENT DAMAGE. ACCEPTANCE OF DELIVERY AND USAGE OF THE BATTERY CLAIMS THE USER IS AWARE OF THIS NOTICE AND AGREES THE ABOVE STATEMENTS.



PROPER POLARITY CONNECTION OF BALANCE PLUG ALARM, IF ALRM SHOULD SOUND DURING USE, IT IS AT THE LOWER THREASH HOLD AND SHOULD BE CHARGED. DO NOT CONTINUE USE ONCE ALARM HAS GONE OFF, AS THIS WILL DAMAGE THE BATTERY, AND REDUCING BATTERY LIFE.