

## Battery Monitor Enclosure Layout

***Enclosure Manuf & Model***

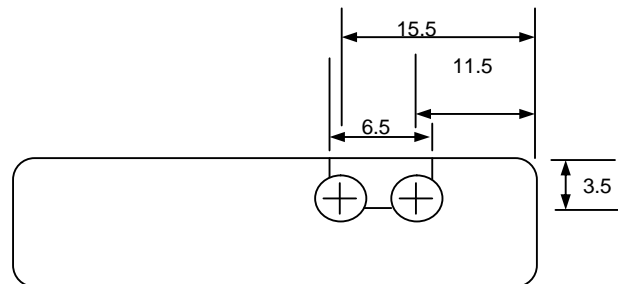
Hammond 1551LBK plastic enclosure

***Enclosure Lid***

<i>Lid Switches</i>	mm
S1 from top	9.0
S2 from top	15.5
S1&2 from left edge	9.0
Switch hole drill diameter	3.5 #27 just a little bigger but works ok

*Lid Display milled opening*

case top to display top	5.5
case top to display bottom	19.5
case left edge to display left	16.0
case left edge to display right	62.5
Mill bit	#54 (White)
Proxim runnig at 2400RPM belt on top pulleys seems to do a good job	



### ***Bottom Source End Openings***

drill size both holes	#23 or 5/32
hole centerline from top	3.5
Black lead from lower edge	15.5
Red lead from lower edge	11.5

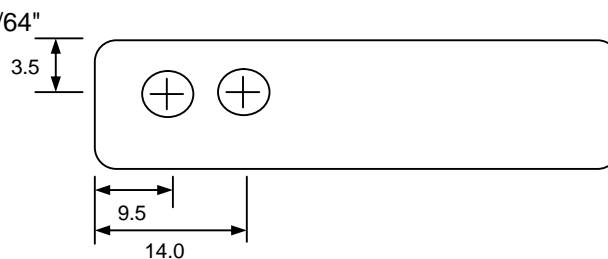
The material above the source lead holes is milled out so that the leads can be inserted into the case when they're for attached to the PCB for assembly & debug

Milled opening width 6.5 Mill out to about three quarters of each hole diameter

***Use a file to chamfer the top of the mill cut so it won't pinch the silicone insulation***

### ***Bottom Load End Openings***

drill size both holes	#18 or 11/64
hole centerline from top	3.5
Black lead from lower edge	14.0
Red lead from lower edge	9.5



***Bottom Source End***

Remove the boss from the top of the mounting screw mold to make room for the PCB source tie wrap  
Easiest way to do this is with a sharp utility knife

## Change Log

ver5 Display on Ver0.4d board moved 1mm closer to switches