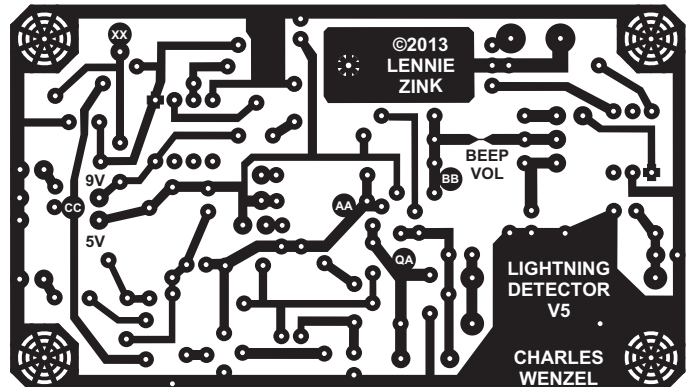
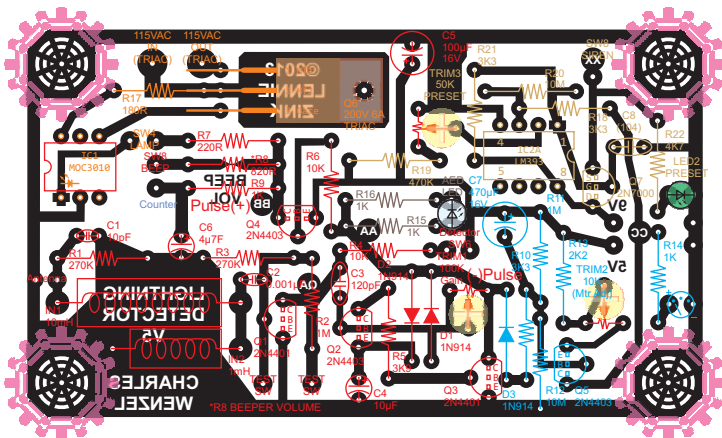
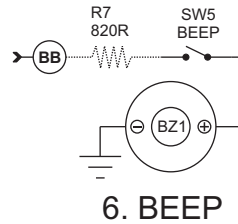
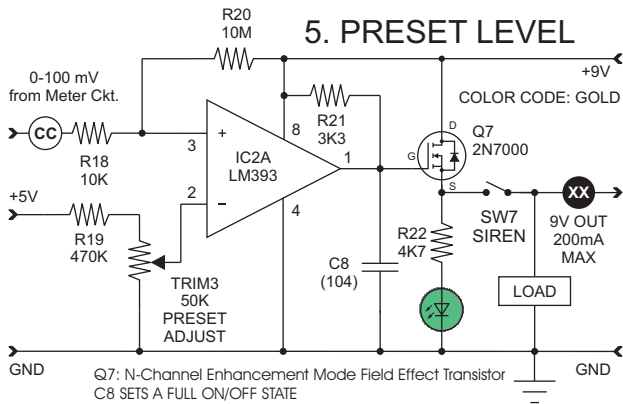
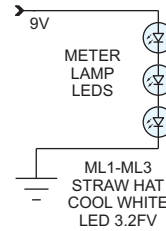
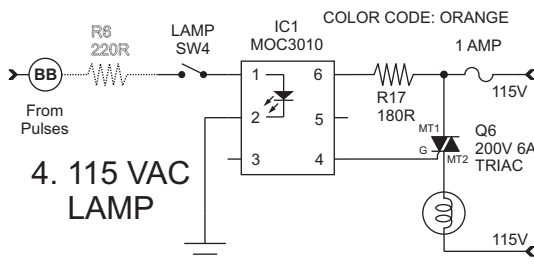
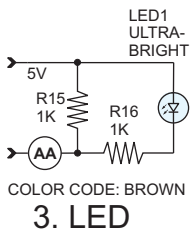
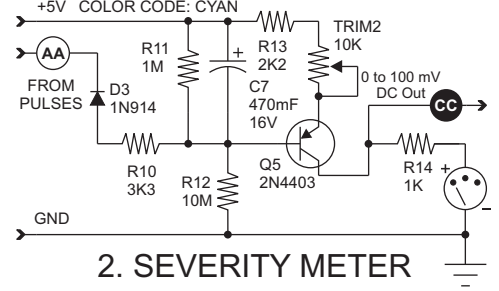
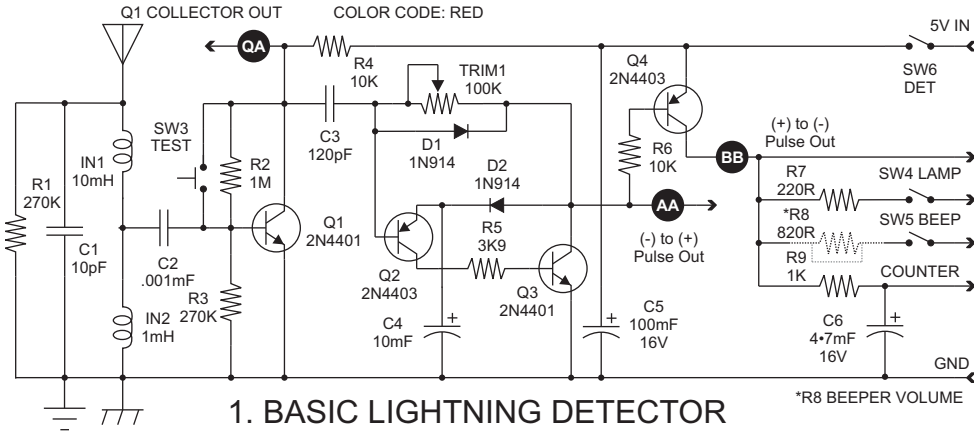


ATMOSPHERIC DISTURBANCE MONITOR

MAIN CIRCUIT BOARD V5



BASE STATION DETECTOR BOARD PARTS LAYOUT

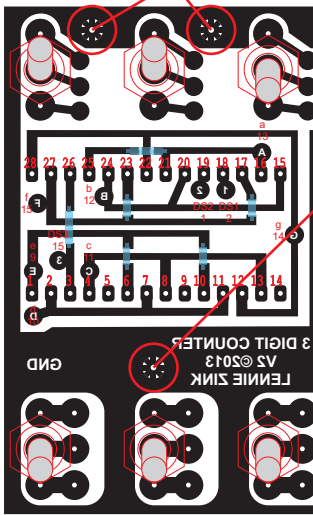
BASE STATION
DETECTOR BOARD
BOTTOM VIEW

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ATMOSPHERIC DISTURBANCE MONITOR

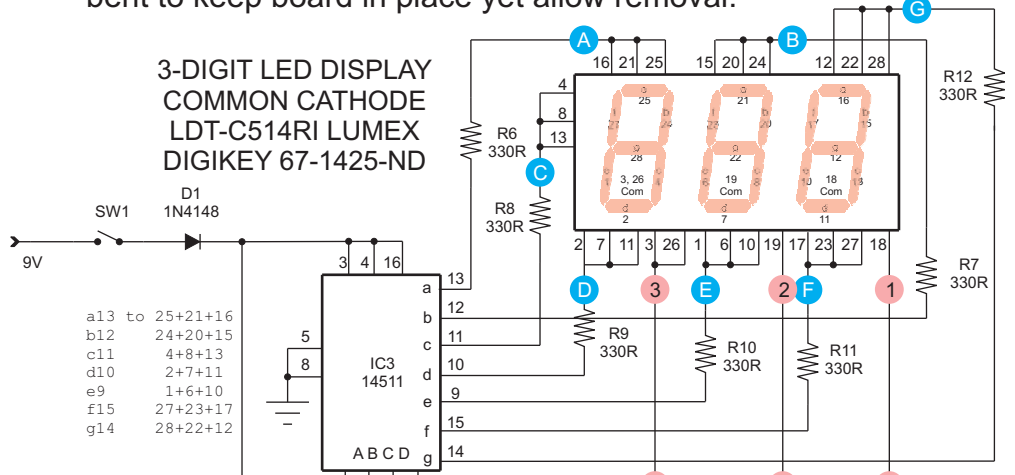
Note: 12 AWG solid wire is soldered to the display board extending out the back far enough to piggy-back the companion circuit board. Slightly larger holes allow board to be removed. Solder is applied to wire at stop points. Half-inch tails are slightly bent to keep board in place yet allow removal.

CONNECTIONS
a13 to 25+21+16
b12 24+20+15
c11 4+8+13
d10 2+7+11
e9 1+6+10
f15 27+23+17
g14 28+22+12

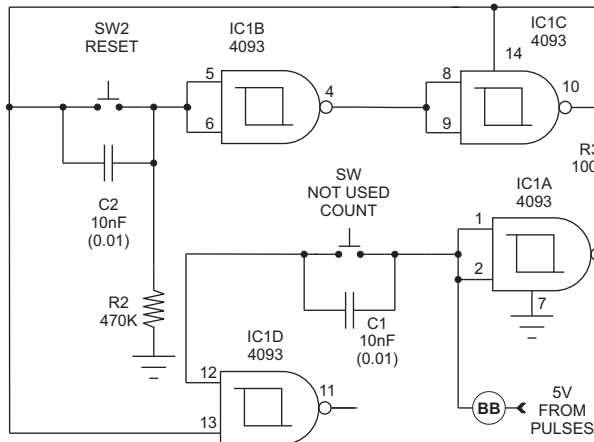


DISPLAY BOARD PARTS LAYOUT

3-DIGIT LED DISPLAY
COMMON CATHODE
LDT-C514RI LUMEX
DIGIKEY 67-1425-ND

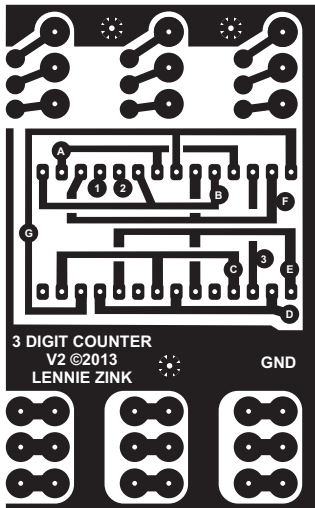


Debounce Circuit

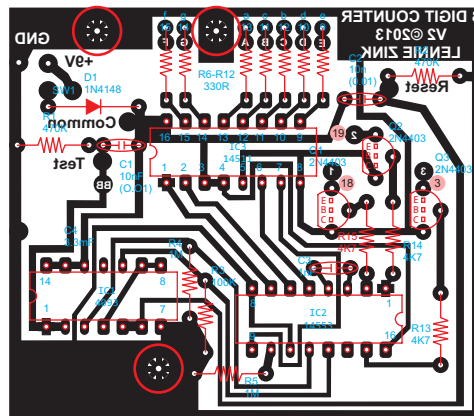


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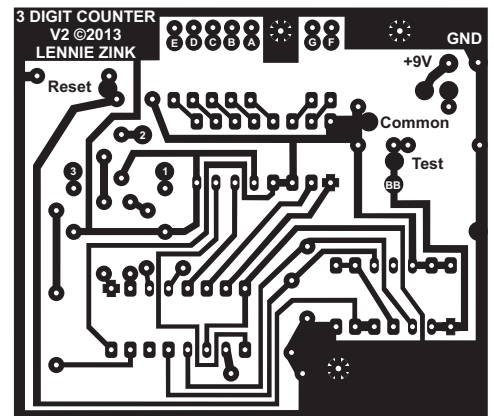
THREE DIGIT COUNTER V4



DISPLAY BOARD
BOTTOM VIEW

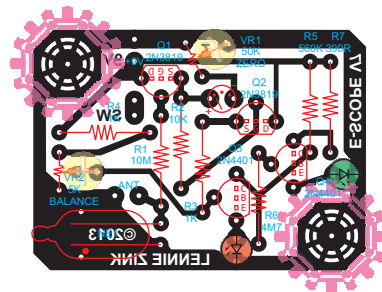
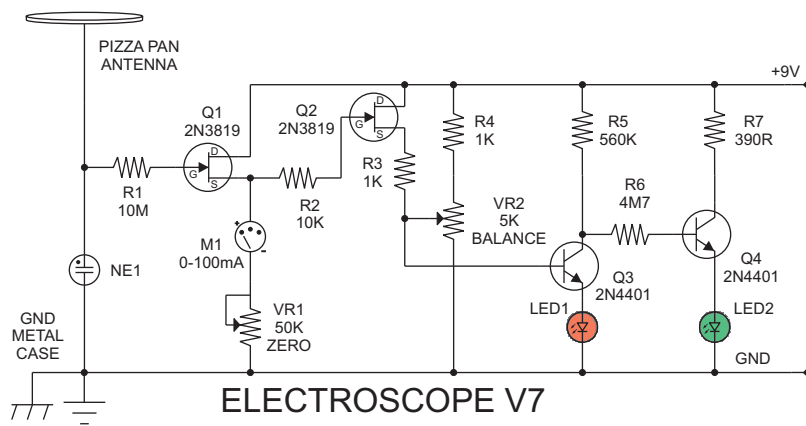


LOGIC BOARD
PARTS LAYOUT

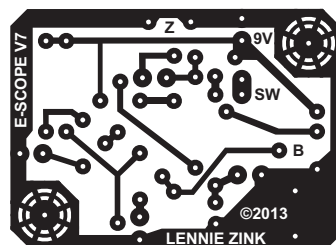


LOGIC BOARD
BOTTOM VIEW

ATMOSPHERIC DISTURBANCE MONITOR



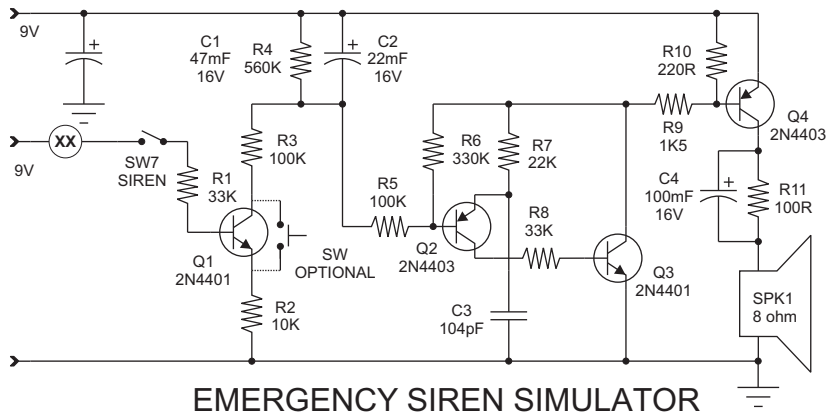
PARTS LAYOUT



BOTTOM VIEW

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ATMOSPHERIC DISTURBANCE MONITOR

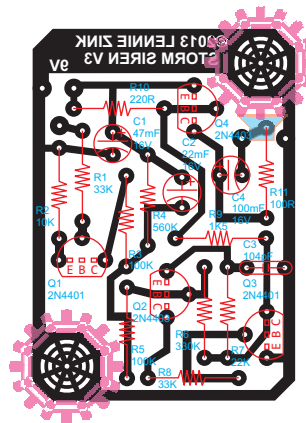


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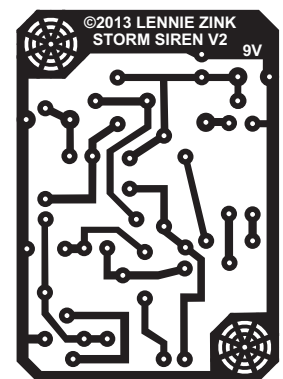
A simple and fantastic circuit! Operation is smooth and can be triggered with a low voltage.

When switched off, the siren sounds until it reaches its low frequency cut off. The decay is long so it takes a while!

Original version (Wenzel) wailed when powered on. This feature was not desirable for this project.



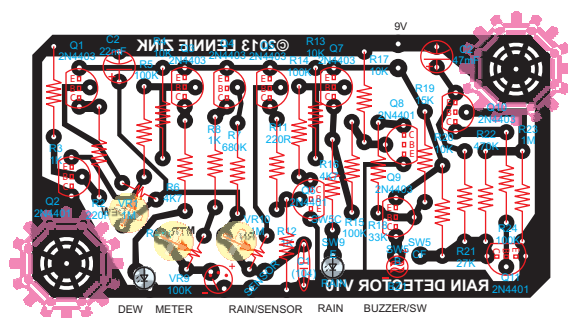
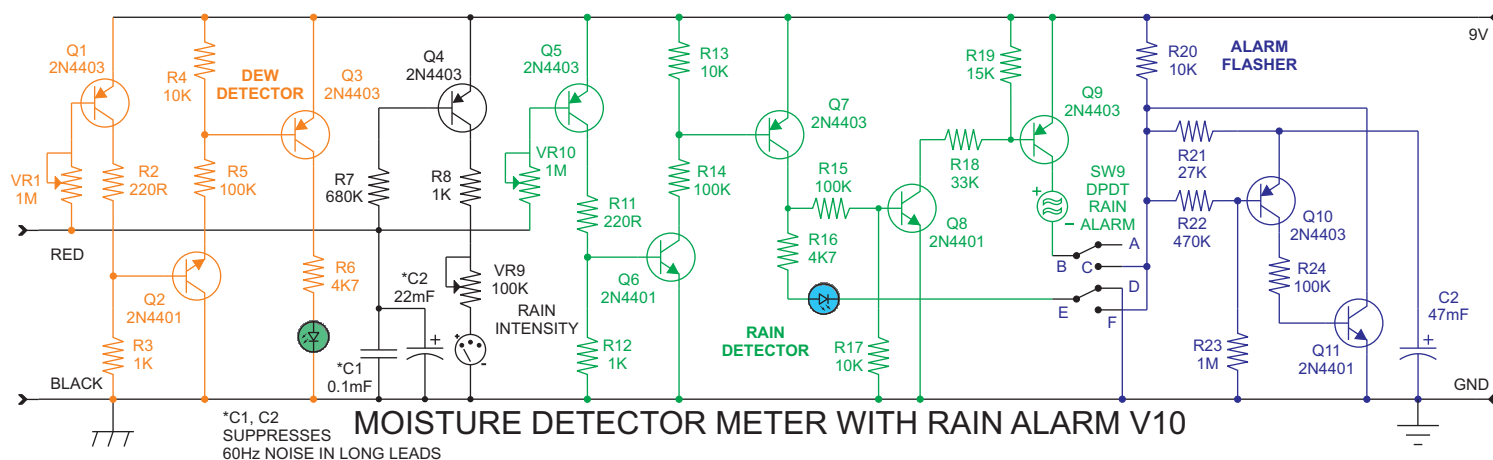
PARTS LAYOUT



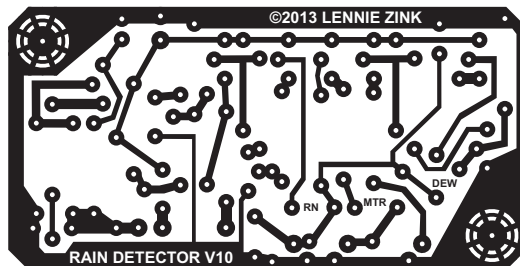
BOTTOM VIEW

ATMOSPHERIC DISTURBANCE MONITOR

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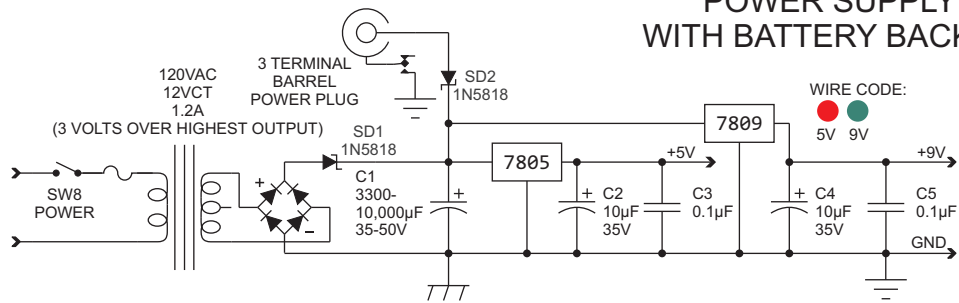
PARTS LAYOUT



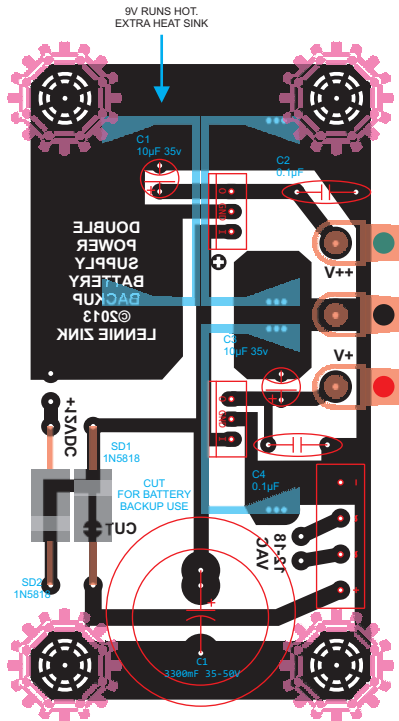
BOTTOM VIEW

ATMOSPHERIC DISTURBANCE MONITOR

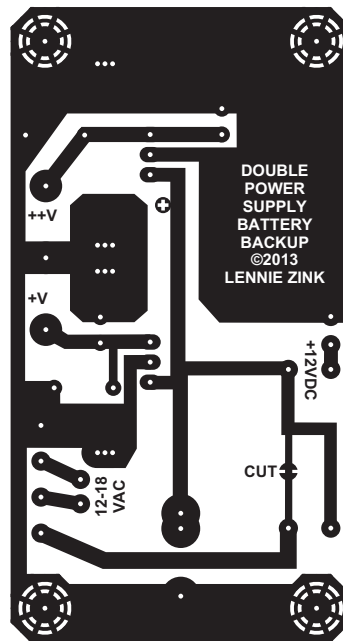
POWER SUPPLY WITH BATTERY BACKUP



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COMPONENT
LAYOUT



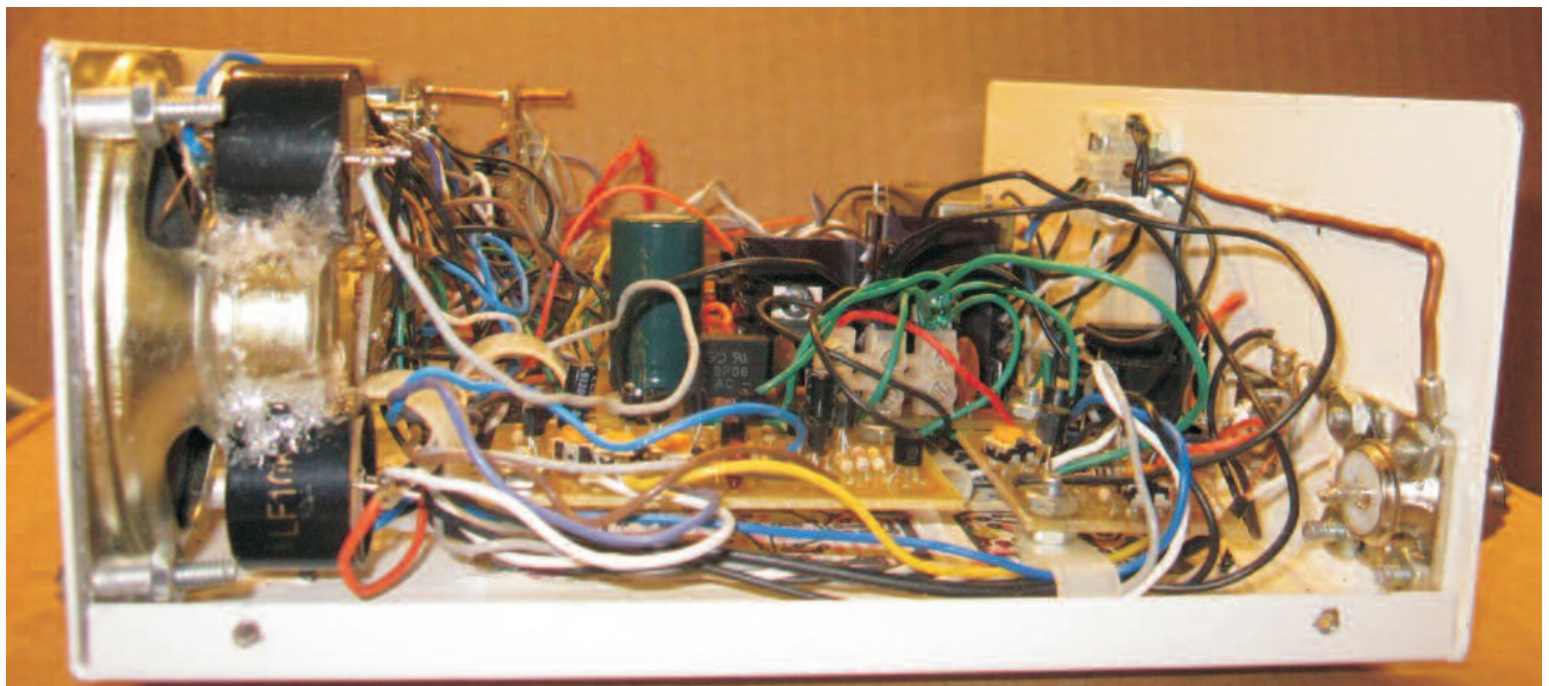
BOTTOM
VIEW

ATMOSPHERIC DISTURBANCE MONITOR

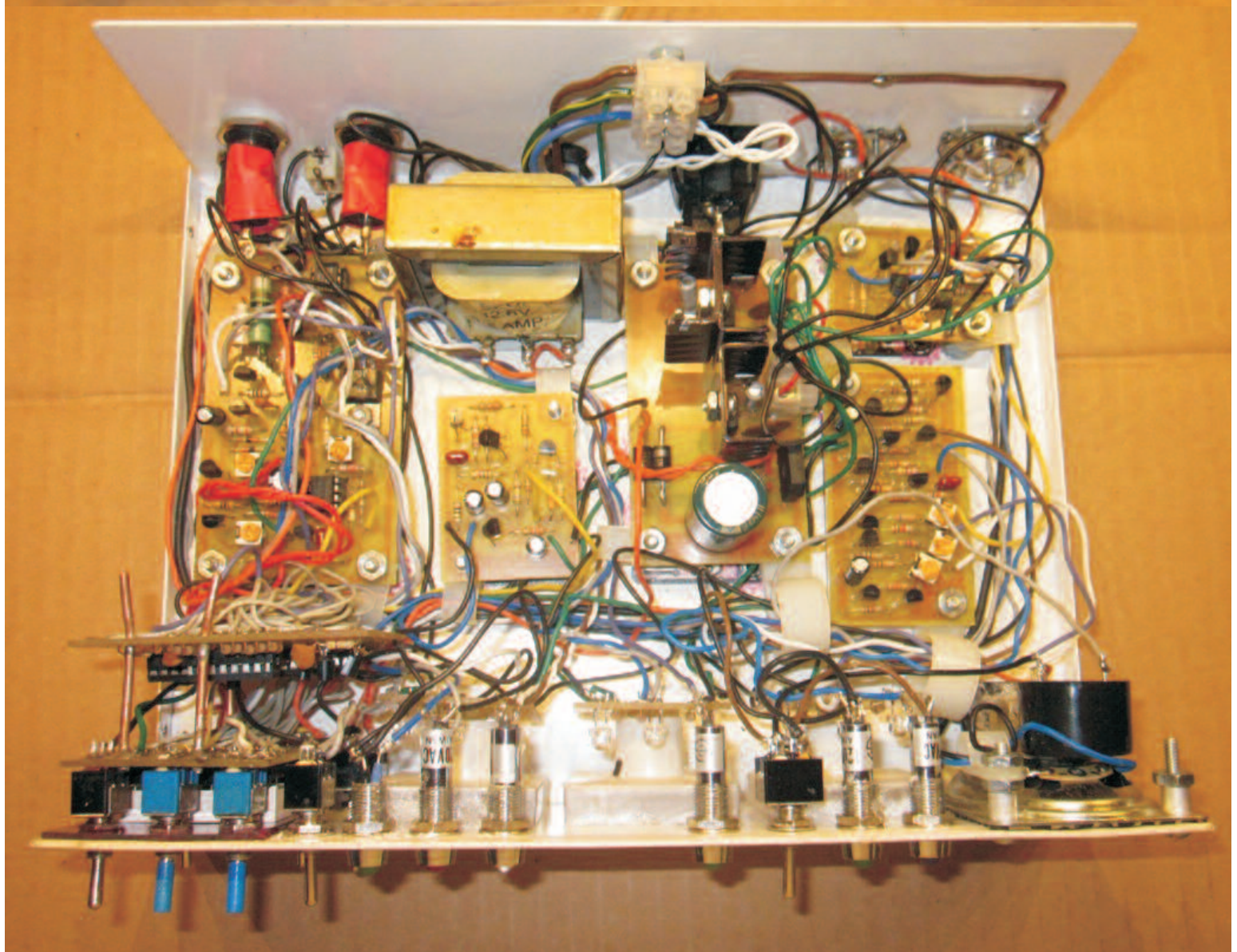


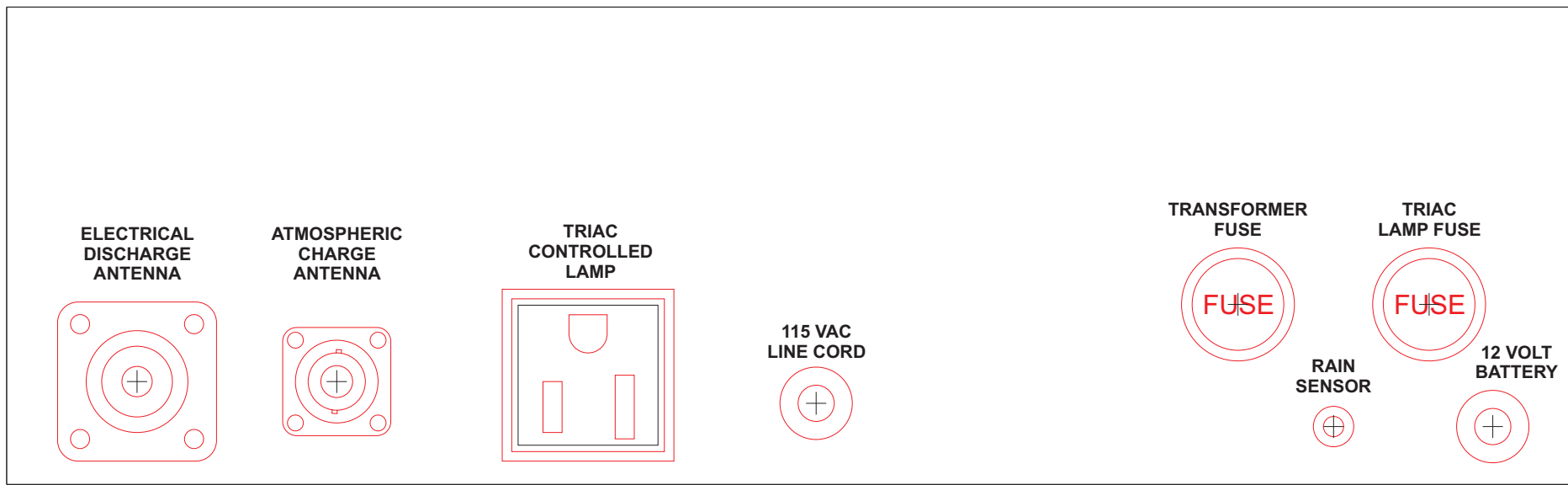
ATMOSPHERIC DISTURBANCE MONITOR



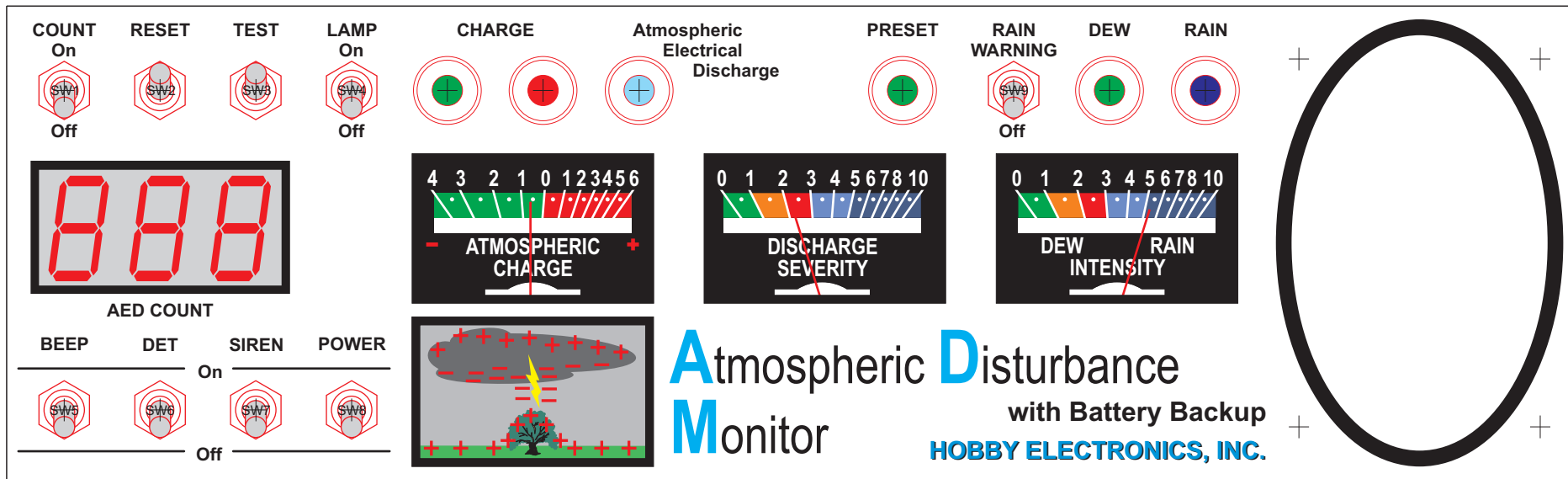


ATMOSPHERIC DISTURBANCE MONITOR





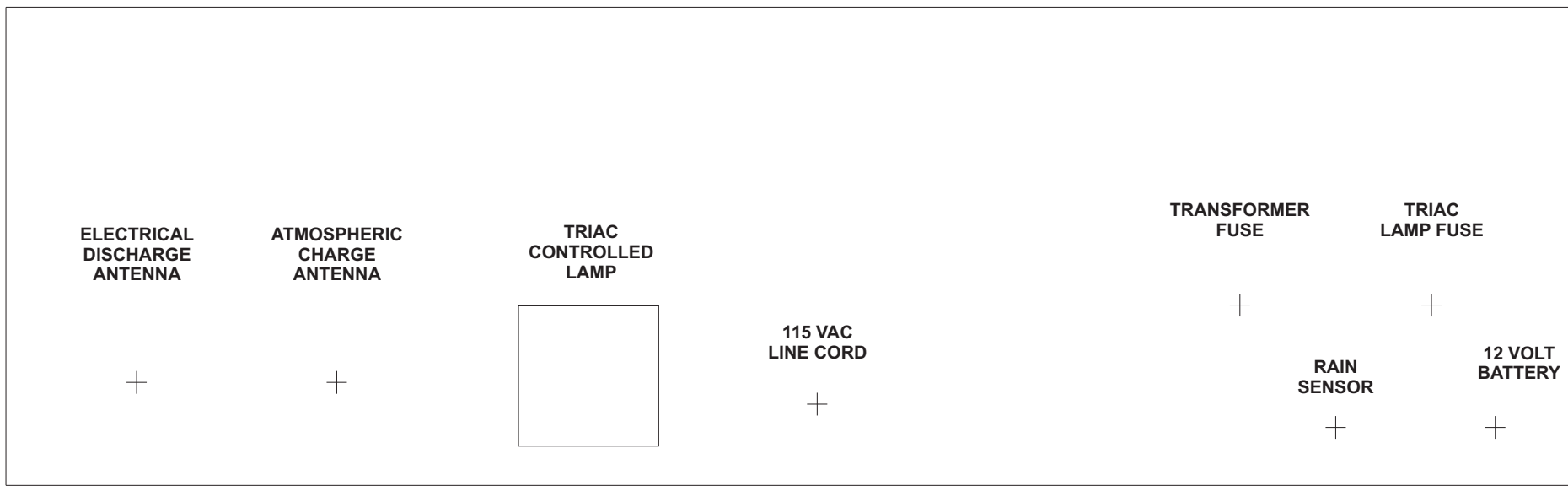
ATMOSPHERIC DISTURBANCE MONITOR



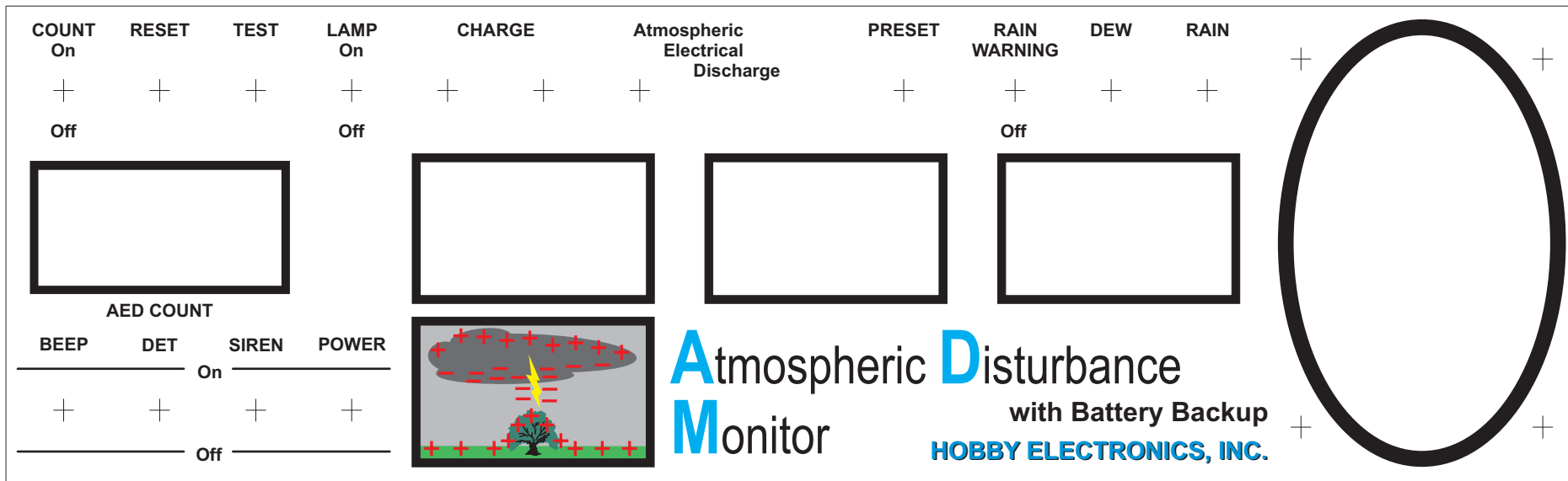
POWER and BEEP switches were swapped when upgraded to battery backup.

LAYOUT

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ATMOSPHERIC DISTURBANCE MONITOR



POWER and BEEP switches were swapped when upgraded to battery backup.

Updated Label

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