Materials

These are the materials we used to complete this experiment:

1. 3 ½" graphite rods, 11" long
2. 5-5 gallon paint buckets with lids
3. 560-Ohm resistor
4. 18 gauge, solid copper, insulated wire (45ft.)
5. Digital Multimeter (Sperry DM-350A)
6. 2 Seal-All waterproof adhesives
7. 3 10ft. PVC pipes (3/4")
8. 6 elbow connectors (3/4")
9. 9 "T" connectors (3/4")
10. 51k-Ohm, 1/4 watt resistor
11. 47,000-Ohm, ½ watt resistor
12. 3 clinch terminal blocks
13. Pro-Grade mini hack/chopping saw (and extra blades)
14. 4 rubber insulates clamps (½")
15. 3 rubber insulated clamps (1")
16. Star Brite Liquid Electrical Tape (4fl.oz.)
17. 14 Buchanan ring terminals
18. Sac washers
19. Machine screws (10-32 by ¾")
20. Sheet metal screws (8 by 5/8")
21. Sheet metal screws (8 by ¾")
22. Machine screws (#8-32 by ¾")
23. Garmin GPS III Plus
24. 6 white plastic knobs
25. hot glue gun
26. large saw
27. 0-50k Ohm variable resistor
28. 1 double pole double throw micro
29. toggle switch
30. soldering gun and solder
31. 2 1 2-terminal block
32. alligator test leads
33. 4 alligator clips
34. 2 nuts/bolts