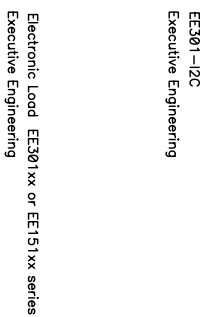
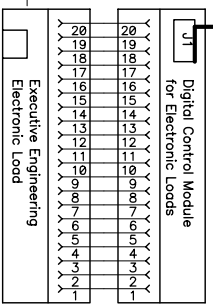
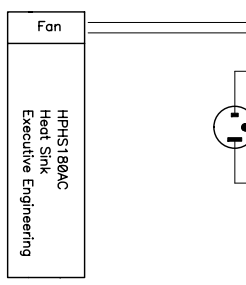
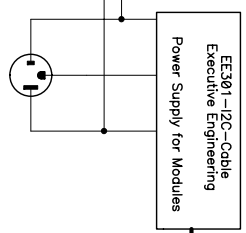


To PC Parallel Port

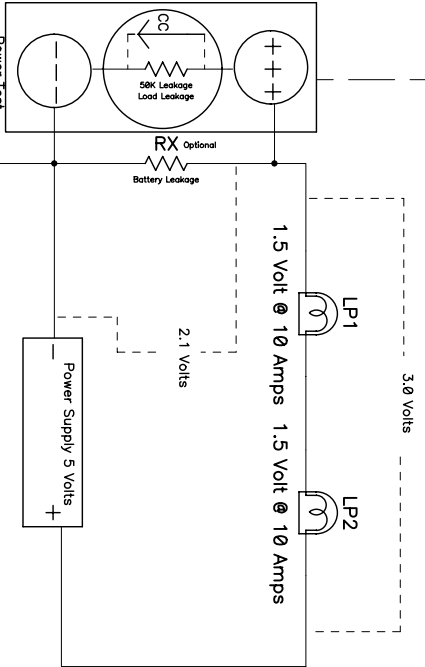
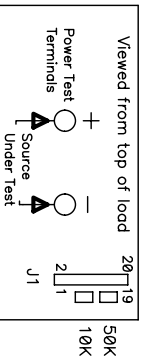
Customer PC

EES-100 Software



Connector shown from top view.  
Pins shown as seen on electronic load.

Note J1 - Pin 2 and the (-) source under test are connected, never have current flowing through this path. All control signals should be connected to J1 - pin 2. Only the source under test should be connected to the power test terminal (+) and (-).



Use this ground for all measurements

**Whats Required!**

- EES-100 (Software) Windows only 98 / 2000 / XP
- EE301-I2C (Digital Module)
- EE301-I2C-CABLE (power & data cable)
- EE301xx or EE151xx (Electronic Load)

Optional Heat Sink ( If Required ) Any power dissipation above 20 watts we suggest using a high power heat sink!

**Customer Supplied Equipment!**

- DC Power Supply
- Batteries to be tested

**Theory of operation.**

As the battery charges the voltage across the battery will start to increase and the voltage across the electronic load will decrease. When the load get to a low enough voltage the EES-100 software will shut off the electronic load.

Rx (Resistor ) is for controlling the discharge or leakage current of the battery. Rx can also be used to control the tricky charge of a battery.

Note:  
Power Supply should be 1 to 2 volts above battery voltage.

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Title		Digital Control System	
Size	Number	X011-00002-0002	Rev
B			1
Date	Drawn by		dw
Filename	digital-control.sch	Sheet 1	of 1