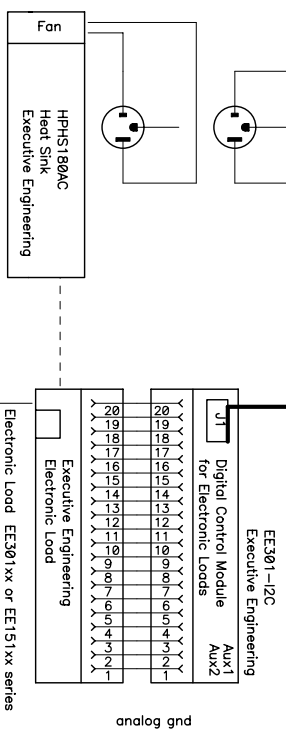
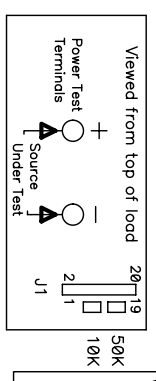


Digital Control of a AC source with a DC Electronic Load



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 (-).



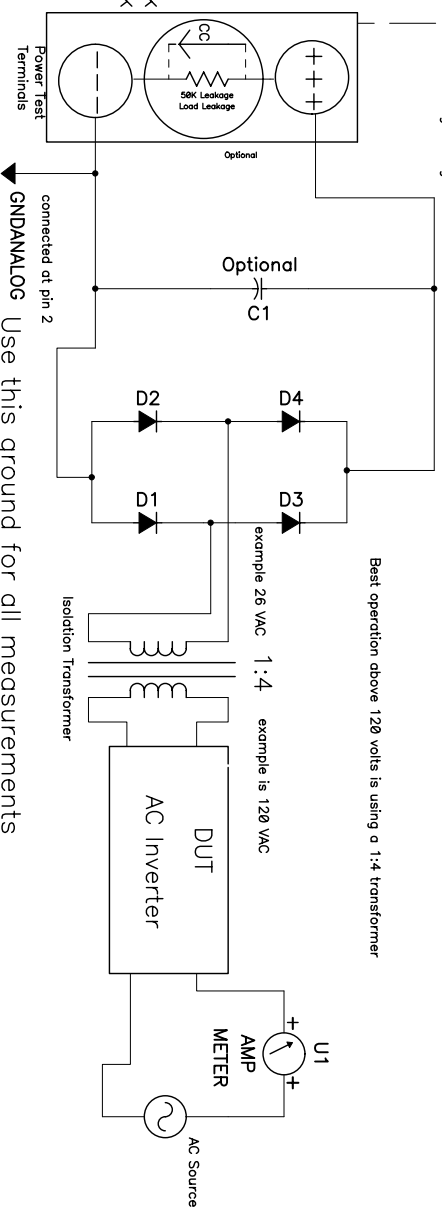
Whats Required!
 EES-100 (Software) Windows only 98 / 2000 / XP
 EE301-I2C (Digital Module)
 EE301-I2C-CABLE (power & data cable)
 EE301xx or EE151xx (Electronic Load)

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

Customer Supplied Equipment!
 Isolation Transformer x 1.4 more than maximum power
 Isolation Transformer x 4.0 more than peak current to prevent flat topping

Theory of operation.
 AC voltage / current is rectified and changed to DC pulse, allowing the DC electronic load to control the current in AC loop.

Best operation above 120 volts is using a 1:4 transformer



connected at pin 2
 GNDANALOG Use this ground for all measurements

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| Title | | | |
|----------|---------------------|----------|------|
| Size | Number | Rev | |
| B | X011-00002-0002 | 1 | |
| Date | | | |
| Filename | AC-Load-digital.SCH | Drawn by | dw |
| | | Sheet 1 | of 1 |