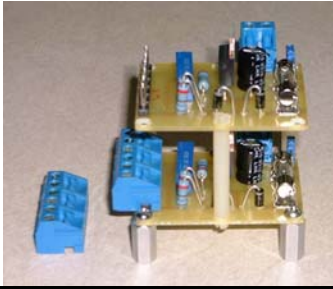


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SapFlow Power Board

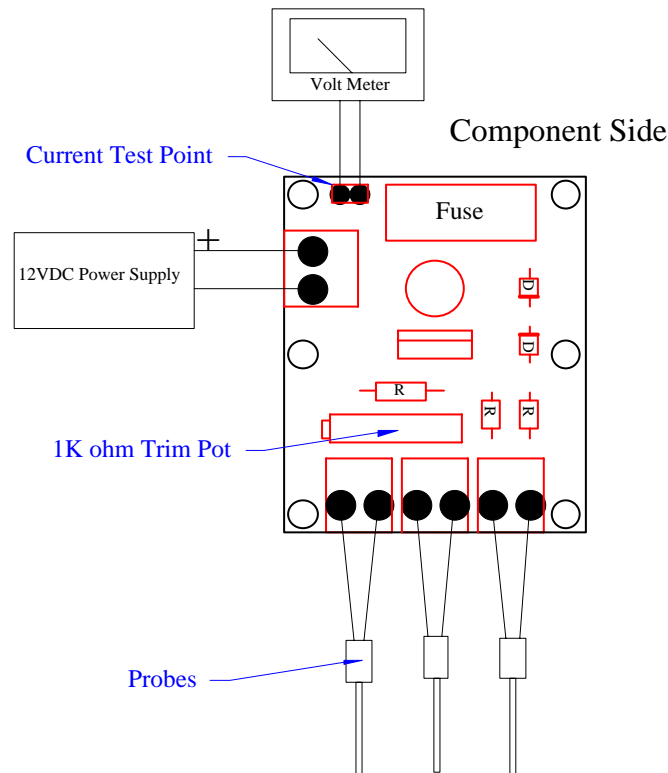


This is a board (2 are shown in a stacked configuration) that I designed to be used to power miniature heaters that are used to measure the flow of sap movement in trees. The board will power up to three heater probes and is stackable. The terminal blocks are removable to make it easier to wire up. There is also a test point to attach a volt meter to in order to set the probe(s) current (which is adjustable).

Miscellaneous Information:

The output current to the probes is adjusted using the trimpot and monitored with the voltmeter (set voltmeter to measure DC Amps). After the current has been set, remove the voltmeter and replace the jumper onto the test point. If you want to use less than three probes, you will need to put a jumper between the terminals (i.e. short them) that are not used. The boards can be stacked or placed side by side. Special removable terminal blocks are used to simplify wiring of power and probes if this is used in a stacked formation.

Hookup Diagram:



Specifications:

- Supply Voltage: 12 VDC
- Number of Outputs (Probes): 1 to 3
- Board Dimensions: 1.6 x 1.9 inches

Disclaimer:

These boards are designed for educational use only. In no circumstances should these circuit boards be used in critical situations where failure could mean injury or property damage.

For more information, contact us at:
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