Arduino Electronic Load Feature Block Diagram

Key

External Power ━ ━ ▶ (red dashed)

Power ─ ─ ▶ (red dashed)

Wired Signal ──▶ (blue)

Heat Signal ──▶ (orange)

Air Signal ──▶ (green)

Circuit Board

DUT

Voltage Sensor

Overload Protection

LED

Current Sink Driver

Current Sink

Current Sensor

Arduino

Computer

Heatsink

Fan

Temperature Sensor

Fan Driver

The signal flow from the DUT is still hard to follow. Align the Overload protection and the Current Sink vertically to make the power flow clear and then have the sensor signal branch off from there. Also it the signal from the DUT is more like a power signal then a wired signal.

Does the Current Sink driver need specical power of can the Arduino drive it from a pin?

You do not have to used separate power signals. Since they are all the same signal you can show them coming from one source and branching from there. This would clean up the pciture and make it easier to read

The power flow to the fan is unclear. As it is drawn right now the Fan Driver does not control the flow of power to the fan

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