

Output is either 0 or 12V
 Triped is 0 volts >92 deg C
 Not-Triped is 12V < 88 deg C

High Current OP-AMP
 LM358 OP-SMT
 U1:1
 10.0M 1/4W
 R7
 Optional historis resistor

Note: For the thermal switch point, no jumpers are required from 13/14,15/16,17/18 Pins.
 Only pin 14 is used for external I/O. Never apply a voltage high than 12 volts to pin 14. Never use a pull-up resistor allowing more than 5 ma of current. Pin 14 can source 5 ma only.

Standard Thermal Trip point is from 87 to 92 deg C.
 Thermal trip point can be adjust if the electronic load has the Thermal Option installed. Thermal Option allows thermal trip from 50 to 92 deg C.

Slew Rate Option has no effect on speed of the Thermal Trip Point
 Never use 50K remote or internal pots with this option.
 Start-up pot should not be used when using thermal trip point.

[Http://www.EXEC-ENG.com](http://www.EXEC-ENG.com)

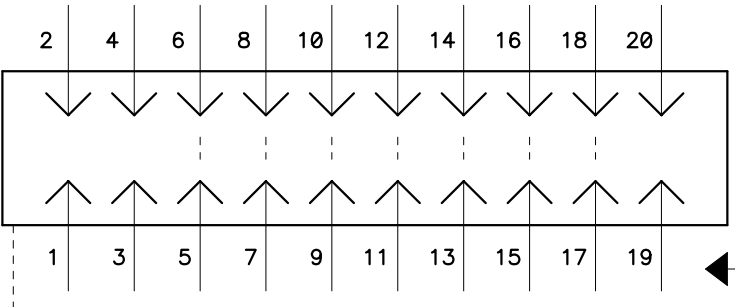
Executive Engineering

Using the Internal Thermal Sense of Loads

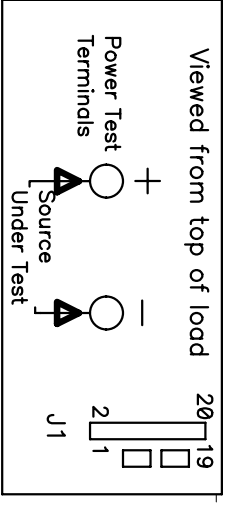
Title Using the Thermal Sense

Size	Number	Rev
A	301/151 Thermal Sense	1

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Filename	Thermal-Sense.SCH	Sheet	1 of 1



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 (-).



50K Load Turn ON/OFF Voltage
 10K Load Current Adjust