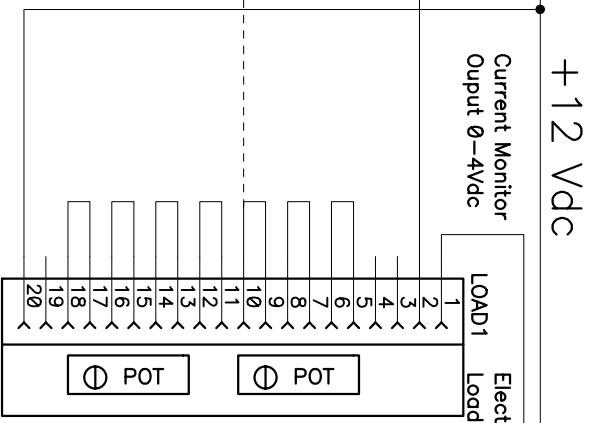


To opamp power  
 (GND)AI  
 +12 Vdc @ 200ma  
 from bias power supply

GNDANALOG  
 Analog / Bias Return

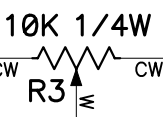
Optional D to A  
 Input 0-4 Vdc  
 Pin 10



Current Monitor  
 Output 0-4Vdc

LOAD1  
 Electronic Load

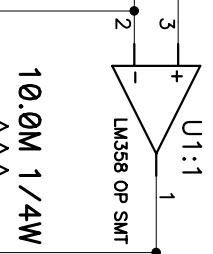
Trip Point Adjust  
 External Pot



To opamp power  
 (VCC)I

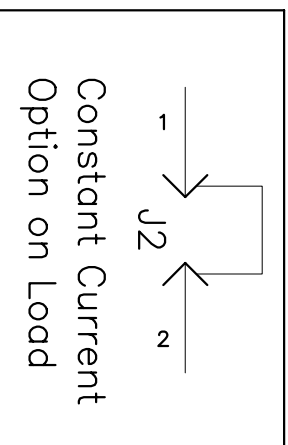
Scaled output of current  
 0-100% = 0-4Vdc

Optional  
 D to A Input  
 0-5 Vdc



Good / Bad  
 Go / No Go  
 Output / Driver 0 or 12Vdc

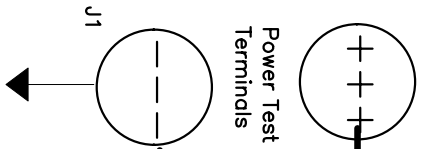
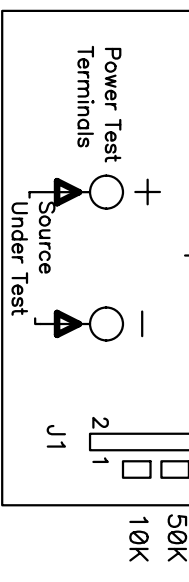
Optional historesis resistor  
 J2 open for Constant Current  
 Load must have option 2



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

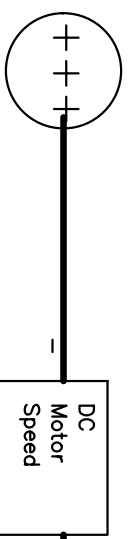
Note J1 - Pin 2 and the (-) source under test  
 are connected, never have current flowing  
 through this path. All control signals should  
 be connected to J1-pin 2.  
 Only the source under test should be connected  
 to the power test terminal (+) and (-).

Viewed from top of load

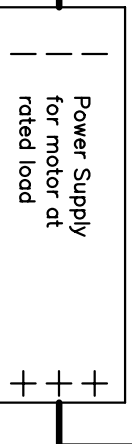


Power Test  
 Terminals

#10 GA wire to reduce IR Drop



DC Motor  
 Speed



Power Supply  
 for motor at  
 rated load

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

Executive Engineering

Motor Speed Control Tester for Manufacturing  
 This is a go / no-go tester using a fixed source

Title Motor Speed Control

Size	Number	Rev
A	301/151 Series Loads	1

Date	Mon Sep 20, 2004	Drawn by	dw
Filename	motor-speed.SCH	Sheet	1 of 1