

ZAHN ELECTRONICS, INC.

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ZAHN

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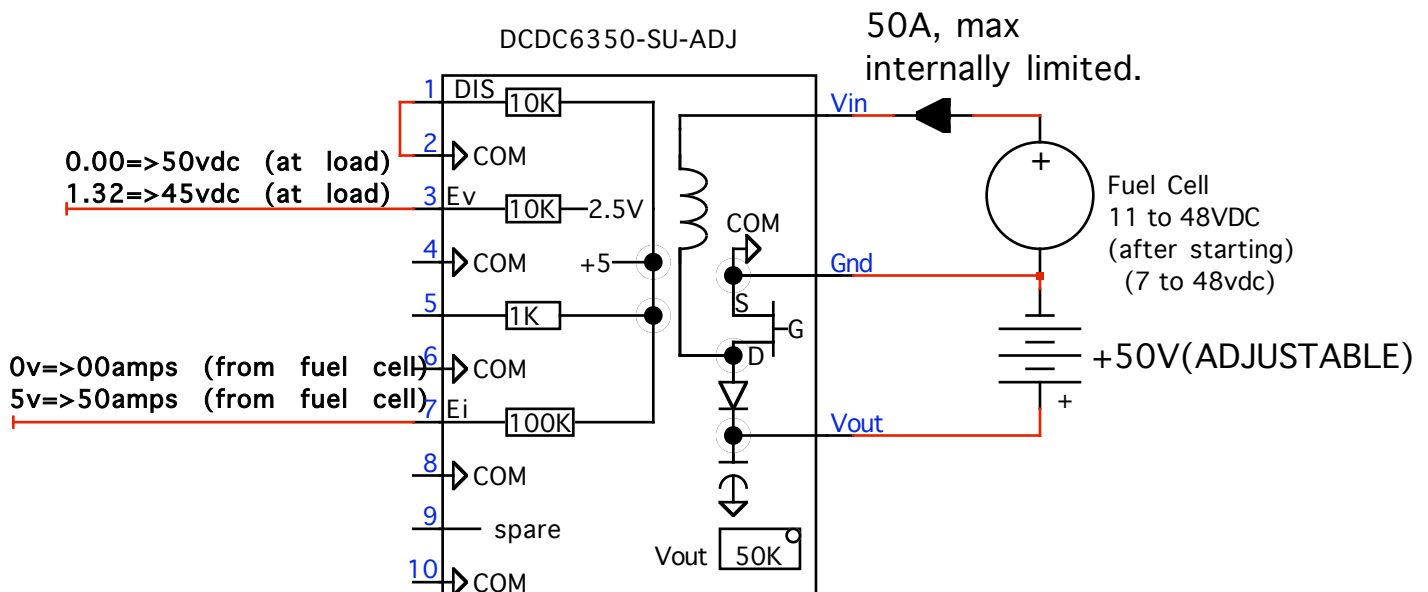
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INSTALLATION WIRING

10-08

FUEL CELL TO 50V STEP UP DC/DC CONVERTER.



NOTES:

- 1 Adjust the onboard 50KΩ pot for 50vdc at the load. $E_v = 0$.
- 2 E_v control from host. E_v controls the output voltage.
- 3 E_i control from host. E_i controls the input current limit.
- 4 DIS, disable input will disable converter. Disabling the converter makes the output voltage, V_{out} , equal to the input voltage, V_{in} . Follow the input current thru the inductor, (the inductor is a short since there is no switching), thru the diode to V_{out} . (the FET is off)