

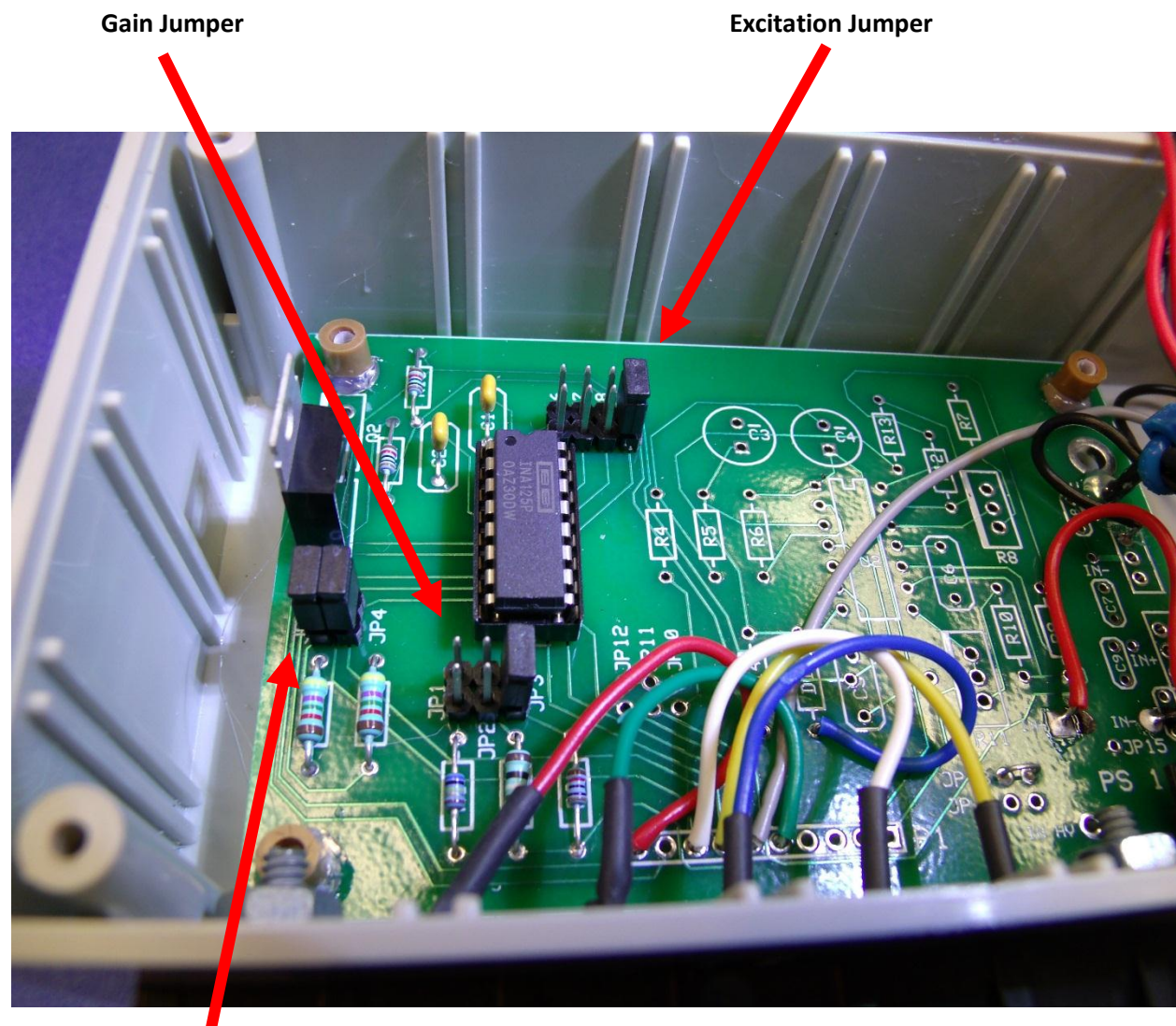


### **Battery Powered INA125BB-BP Unit**

The INA125BB amplifier module has been placed into a ABS/PVC chassis with a cover to retain 2, 9V batteries. The installed amplifier module is identical to the INA125BB module with the exception of the removal of the LM 324 Quad Amplifier and the Auxiliary power supply. Only the positive excitation supply is installed. The removal of the extra circuits will extend the life of the batteries. The amplifier module other-wise operates identically to the INA125BB module. The excitation voltage is jumper selectable for 1.25, 2.5 and 5 volts with 9 volt batteries installed. The external power supply jacks allow an external power source of up to +/- 12 VDC and will then allow a 10VDC excitation voltage to be selected. The amplifier gain jumpers allow the selection of 10, 100 and 1000 voltage ranges. Labels attached to the chassis indicate the connections for the strain gage bridge signal, bridge excitation, signal out, and external power supply. The photos on page 16 show the location of the jumpers and external connections. Two snaps attach the connections for the 9V batteries.

**CAUTION: Do not connect an external power source to the unit without removing the internal 9V batteries. Damage to the batteries, power supply or circuitry may occur.**

Below is the photo of the INA125BB-BP chassis open to show the gain and excitation jumpers. The jumpers have the same functions as shown on page 4 of the INA125BB manual.



Input Termination Resistor Jumpers (47K)

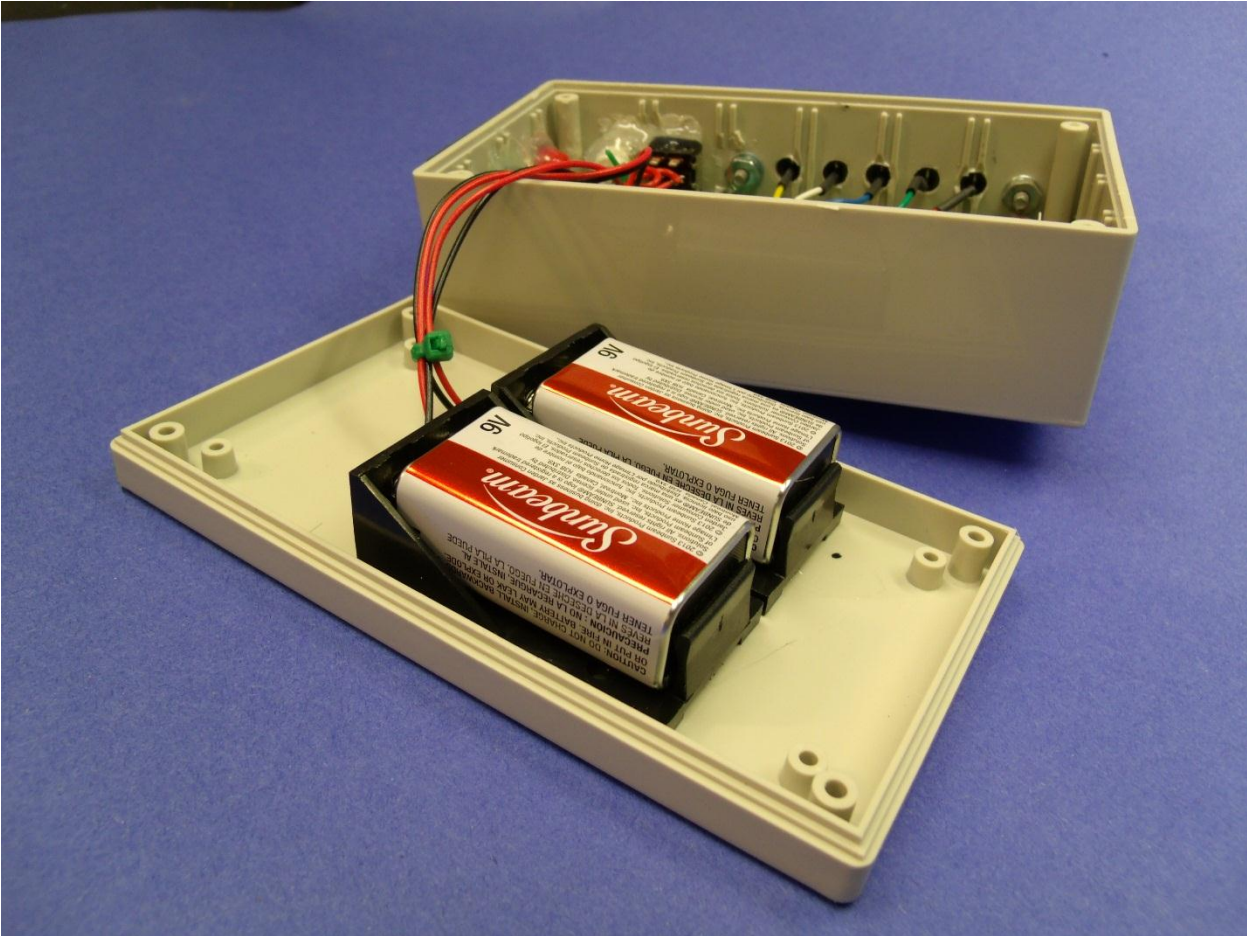
Connections for bridge type sensors. Connect EXC + and GND to use the internal excitation for a sensor. The differential input can also be used as a standalone amplifier input using the installed termination resistors for the INA125BB inputs by connecting the SIG IN + and – terminals to the input device. Ensure jumpers JP4 and JP5 are installed as appropriate.



An external bipolar DC power supply can be used to power the INA125BB-BP. The recommended voltages are +/- 12 VDC. Remove the internal 9V batteries when using the external power supply.



The recommended 9V batteries are the “Alkaline” type. The supplied batteries are for initial tests. The amplifier will drain very little current if no options are installed. The excitation current supplied to the sensor or transducer should be minimized to extend the life of the batteries.



Thank you for purchasing the INA125BB-BP.

