



Your preamplifier assembly has been matched to enable your PbS/PbSe device to perform at its optimum level. The detector bias must be provided externally (see Figure 1). This amplifier operates in voltage mode and AC couples the detector signal to its input.

To insure that the preamplifier receives adequate power from the power source providing the ± 15 volts, the current rating of the power source should be at least ± 100 mA.

Follow the step by step instructions below to operate your detector / amplifier pair.

- 1 Mount the preamplifier assembly as close as possible to the detector. Be sure that the amplifier is mounted solidly.
- 2 Connect the +15, -15 and common from your power source to the preamplifier. For optimum low noise performance, use a well-regulated power source that exhibits extremely low ripple and noise.
- 3 With the power source turned **OFF**, connect the detector to the input of the preamplifier using the cable furnished. Connect the power source to the preamplifier as shown in Figure 1.
- 4 Connect the output of the preamplifier to your signal processing instrumentation.
- 5 Check all connections to insure they match Figure 1.
- 6 Turn on your signal processing equipment.
- 7 Turn on the preamplifier power source.
- 8 **Never connect or disconnect the detector / preamplifier connection while the unit is powered.**

The performance of the detector / preamplifier pair should closely match the performance described in the Detector Test Report. Should you experience any problem, contact Teledyne Judson immediately for assistance.

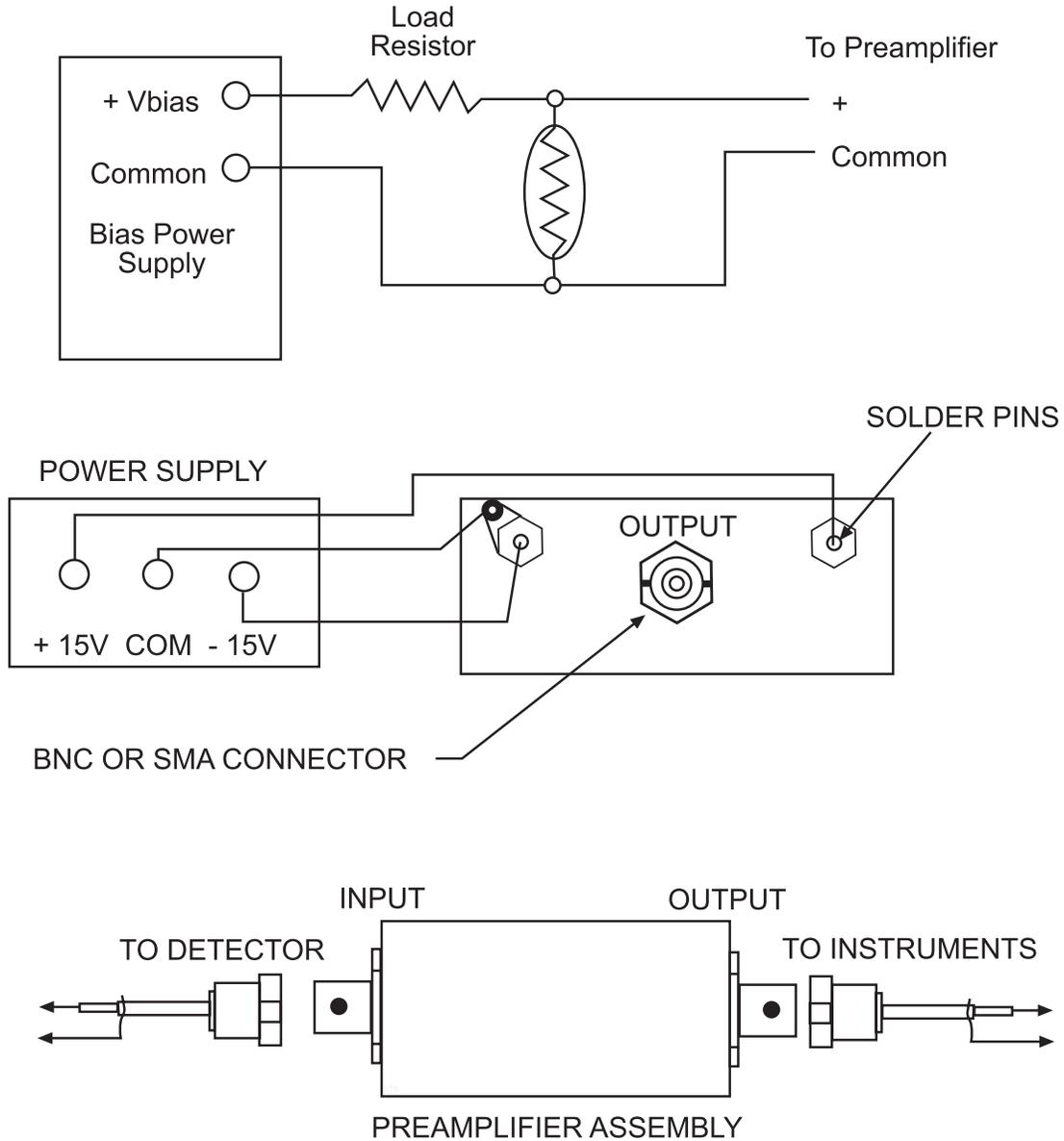


FIGURE 1

Information in this document is believed to be reliable. However, no responsibility is assumed for possible inaccuracies or omission. Specifications are subject to change without notice.

