



A GREATER MEASURE OF CONFIDENCE

Product(s)

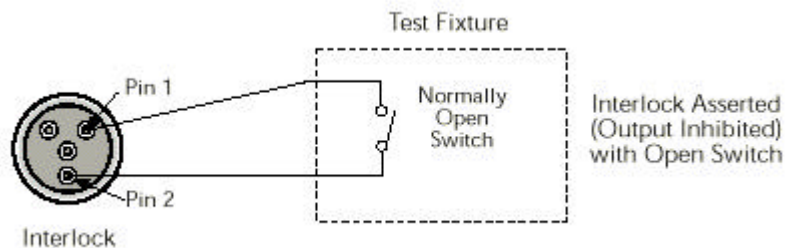
Picoammeter: 6487

Question: Why do I get a “CLOSE INTLCK” error when trying to turn ON the source?

Answer: Model 6487 has 3 voltage source ranges: 10V, 50V, and 500V. The default power up sequence enables the 10V source range. On this range you should never see “CLOSE INTLCK “ error on turning the OPERATE ON.

On the 50V and 500V ranges you could possibly see “CLOSE INTLCK” error when turning the OPERATE ON. The Interlock prevents the voltage source being operated on the 50V and 500V range, to help assure Safe operation. The Interlock is always operational on these source ranges.

The sole purpose of this is to prevent any contact with the live circuitry when making measurements if using a Test Fixture with a lid. A normally open switch is connected to pins 1 and 2 of the connector as shown. When the switch is OPEN, Interlock is asserted and voltage source cannot be placed in OPERATE on the 50 V and 500 V source ranges, hence you get the error “ CLOSE INTLOCK”. When the lid is closed, this shorts pins 1 and 2, allowing you to source voltages.



The model 6487 is shipped with a standard CS-459 connector mounted on the Interlock I/P connector. The CS-459 shorts pins 1 and 2.

If not using a Test Fixture, make sure the CS-459 connector is mounted on the Interlock I/P Connector. Otherwise, when you try to turn the output ON (50 or 500 volt range) the Instrument will give a “CLOSE INTLCK” error.