
Panel Instruments With Battery

Since 1988 INCON made panel instruments with a lithium battery, which retains the RAM memory while the power is off. These batteries last about 6-8 years. When the battery goes dead the instrument can lose its programming if the power is turned off.

A replacement battery is available from INCON for \$20, part number “BK-S”. This battery is **SOLDERED** into the Processor (center) circuit board. Only technicians with good soldering and de-soldering skills should attempt to replace these batteries. The instrument will need to be fully re-programmed after replacing the battery.

For model 1250A & 1250B instruments, an alternative to replacing the battery is to replace the entire Processor circuit board with the “new” 1250B Processor board. This is preferred to battery replacement for two reasons:

- The “new” Processor board will never need battery replacement and can not lose its programming with the power off. It uses a non-volatile RAM memory for all programming parameters.
- The “new” Processor board runs the latest 1250 software with many enhanced features, including Serial Port Programming, MODBUS, and Loss of Synchro Signal Detection (Reference document #000-1093 for a full list of software enhancements).

The new Processor board is a direct replacement for the old board with the battery. Programming is very similar to the existing 1250, with a few new items added to the standard menu. The price for this new Processor Board is \$294, part number “010-0140”.

How to tell if you will need to replace your battery

- All 1250A and 1250B units made after serial number 86000 use the “new” Processor Board already (see Figure 1) and do not require the battery to be changed.
- All model 1250B’s up to serial number 86000 will need battery replacement.
- Some later model 1250A’s up to serial number 86000 will need to replace the battery. See Figure 1 and 2 to determine if you need to replace your battery. 1250A’s with PCB configuration as shown in Figure 2 will need battery replacement. 1250A’s with PCB configuration as shown in Figure 3 do not have a battery.

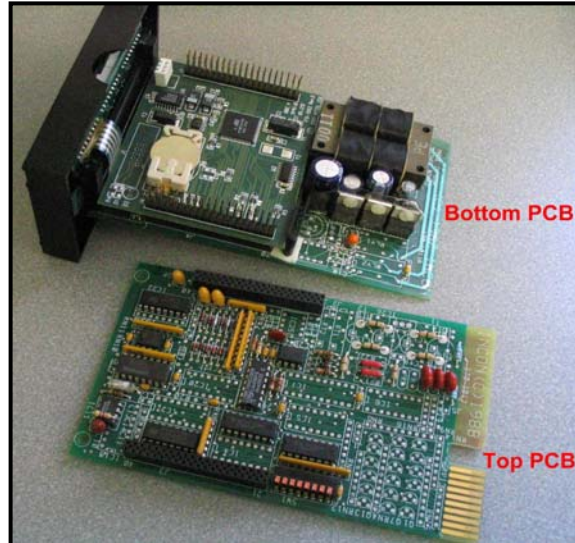


Figure 1 Battery Never Needs Replacement

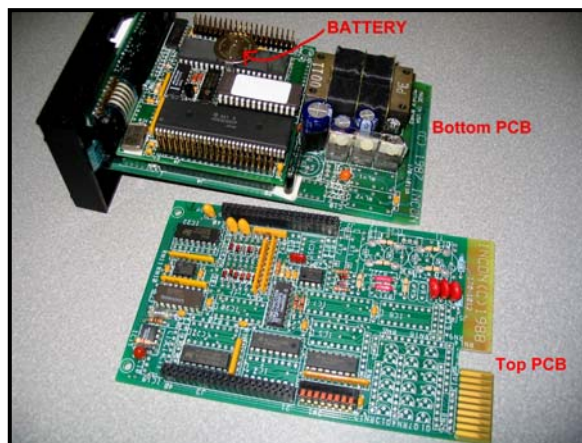


Figure 2 Battery Needs Replacement

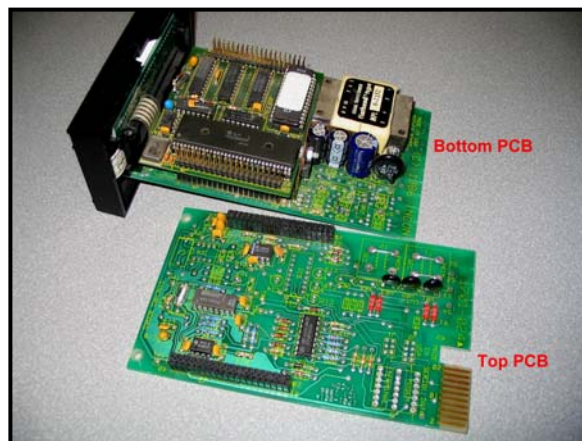


Figure 3 No Battery