

# SIM928 Replacement Battery Pack Installation Instructions

Required tools: a small Philips-head screw driver

**Step 1:** With the front of the SIM928 facing you, open the RIGHT shell from the SIM928 by removing the two top and the two bottom screws. The other shell should be left in place.

**Step 2:** Lay the SIM928 flat on the table and remove the four screws holding the battery in place.

**Step 3:** Pull the battery connector off the printed circuit board (not off the battery!) and gently pull the battery out of the SIM928. The folded flat ribbon cable does not have to be disconnected from the chassis. The battery takes up approximately one third of the space and fits in very tightly.

The black PVC shrink wrap which holds the battery pack together fits tightly inside the compartment. This is normal and there should be no difficulty to remove and insert a battery pack even if there is some mechanical resistance. Care should be taken not to put stress on any of the electronic components on the printed circuit boards.

**Step 4:** Insert the new battery pack into the module and fasten it in place with the four screws. **It is very important to connect the green/yellow grounding wire with one of the screws to the closest tab!**

Failure to re-connect the grounding tab can lead to an electrical hazard!

**Step 5:** Reconnect the ribbon cable to the printed circuit board exactly as it was removed. **The red stripe on this connector has to be oriented towards the edge of the PCB.**

**The flat ribbon cable on the connector is keyed with a small plastic insert. It is very important that this insert stays in place and the cable is inserted properly into the 10 pin connector which has a missing pin in place of the keying insert. Failure to replace the battery connector properly on the PCB connector will result in destruction of the battery pack and the SIM928.**

**Step 6:** Fold the flat ribbon cable back in place and close the shell of the SIM928. The next time the SIM928 is turned on, it will recognize the new battery and continue working as before.

In case of a battery or interconnect failure, the display will show “bat”. The module should be

checked for proper installation of the battery pack. If it continues to fail to detect the new battery, the SIM928 and all battery packs should be sent in for inspection.