

Smart Analyzer 90 - Type SMA

Preventive Maintenance

Introduction:

Three switches (SW5, SW6, and SW7), located on the "Input / Output" circuit board, *see second photo, page 2 of this addendum*, conduct sufficient current to require routine preventive maintenance. These switches, due to unusual atmospheric exposure, can develop low internal contact resistance. Contact resistance can cause heat build-up, which in turn reduces switch life. Routine exercising of the switch keeps the contacts clean and resistance free.

Maintenance Procedure:

Maintenance Interval: Six months and/or when the unit is Out of Service.

Tools required: Small screwdriver

The three switches are easily identifiable (second photo, page 2).

Remove power to unit.

Verify zero voltage on L & N (Line & Neutral) in the Main Termination Chamber.

Refer to first photo, page 2 of this addendum for L1 & L2 location.

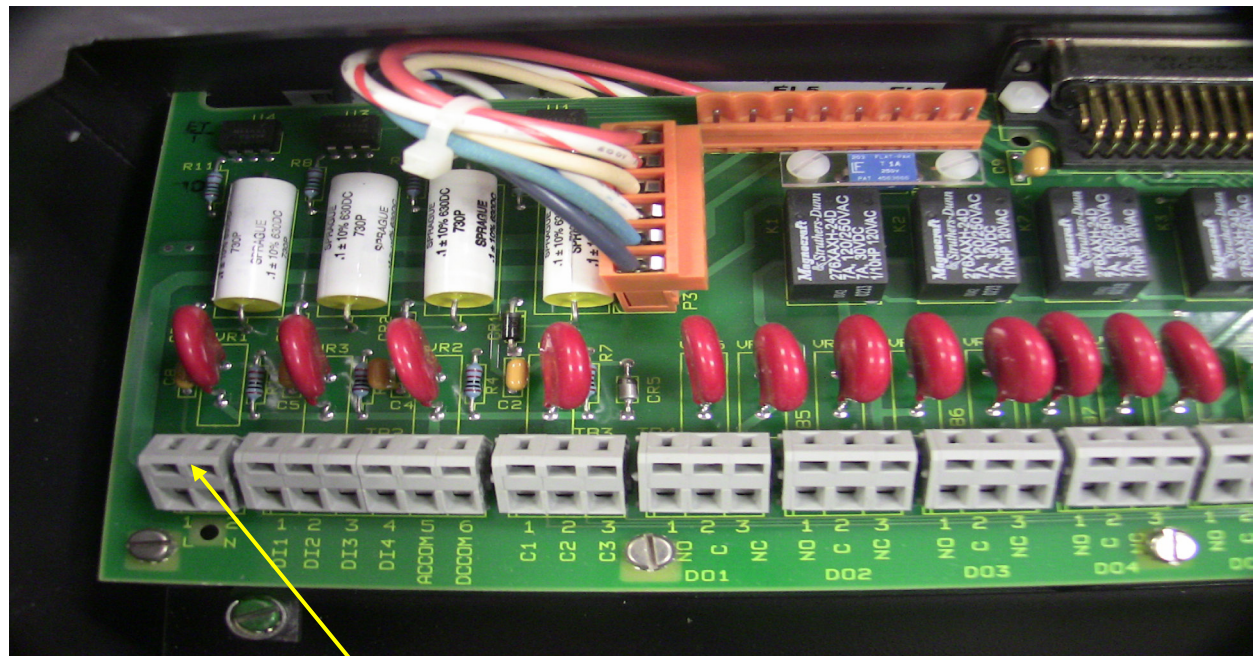
Note the switch positions 110 vs. 220 prior to maintenance in order to re-set properly later.

Rotate "cycle" switches "Back and Forth" between 110 and 220 positions, (3) times.

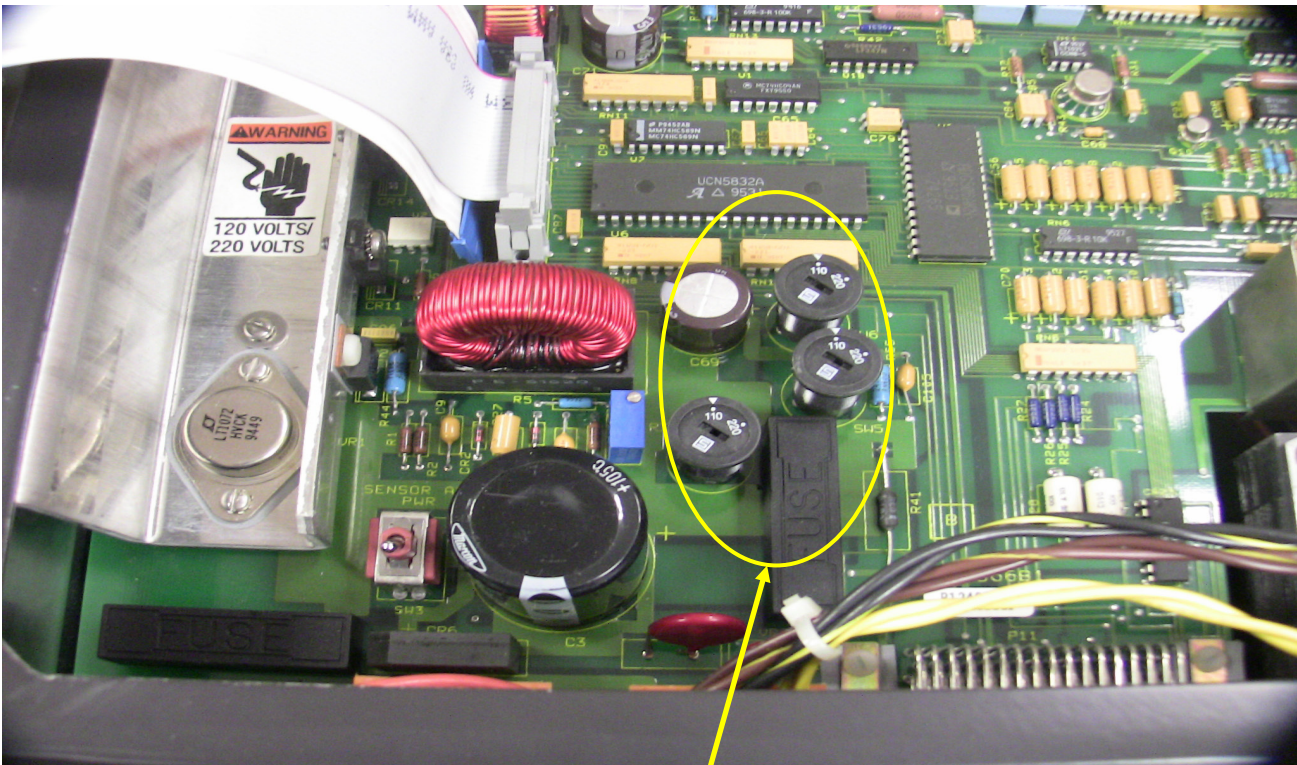
Re-set switches to their original required settings, (i.e. 110 or 220).

Procedure completed

Note: Initial power up, subsequent to this procedure, must include a check of the flange block temperature and duty cycle, (reference table 6-1, page 6-4 of manual).



L1 & L2 located in terminal chamber



SW5, SW6, SW7 location