

# Power Supply Circuit Board Replacement Product Installation Drawing

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## Precautions



**WARNING!** Several different sources of power can be connected to this power supply. Disconnect all sources of power before servicing or replacing any boards to prevent personal hazards. In addition, the power supply and associated equipment may be damaged by removing and/or inserting cards, modules or interconnecting cables while the unit is energized.



**CAUTION!** The circuit board contains static-sensitive components. Always ground yourself with a proper wrist strap before handling any boards so that static charges are removed from the body. Use static suppressive packaging to protect electronic assemblies.

Refer to the illustration on the following page for each of the following steps:

### Removal of Old Circuit Board

1. Make certain AC power has been turned off at the main service circuit breaker and the battery cable has been disconnected from connector JP4 of the FCPS power supply.
2. Disconnect the AC wiring from TB1 of the FCPS power supply. Also remove grounding strap from TB1.
3. Unplug the transformer connectors from J1 and J2 of the FCPS power supply.
4. If any option modules are installed (ZNAC-4 or addressable module) remove them from the FCPS power supply.
5. Remove all field wiring from the FCPS terminals making certain to tag each one for easy installation on the new circuit board.
6. Note the position of jumpers JP2 & JP3 as well as any terminal jumpers and duplicate these on the new circuit board.
7. Remove the four circuit board mounting screws from the corners of the board and set aside for later use. Remove the old circuit board.

### Installation of New Circuit Board

8. Install the new circuit board by positioning the four corner mounting holes over the four standoffs. *Be certain to observe the proper ESD (Electro Static Discharge) precautions to prevent damage to the static sensitive circuits. This includes, but is not limited to, use of a wrist strap*
9. Secure the main circuit board to the standoffs with the four screws removed in step 7 above.
10. Make certain that all jumpers have been duplicated from the old board as stated in step 6.
11. Install all field wiring to the terminals on the FCPS power supply.
12. Install any option module(s) that were removed in step 4.
13. Plug the transformer connectors onto J1 and J2 of the FCPS power supply (ensure both are connected before proceeding).
14. Connect the AC wiring and grounding strap to TB1 of the FCPS power supply.
15. Plug the battery connector onto JP4 of the FCPS power supply.
16. Apply AC power.
17. Thoroughly test the power supply for proper operation.

