

The FC-PSM(E) Power Supply/Battery Charger Module can be used to provide stand-alone power to the Voice Evacuation Control Panel. The FC-PSM requires 120 VAC, 60 Hz, 1.0 amps. The FC-PSME requires 220/240 VAC, 50 Hz, 0.5 amps. In addition to supplying operating power, the modules are capable of charging 7 AH to 17 AH batteries.

## Voice Evacuation Control Panel FC-PSM(E) Power Supply/Battery Charger Module

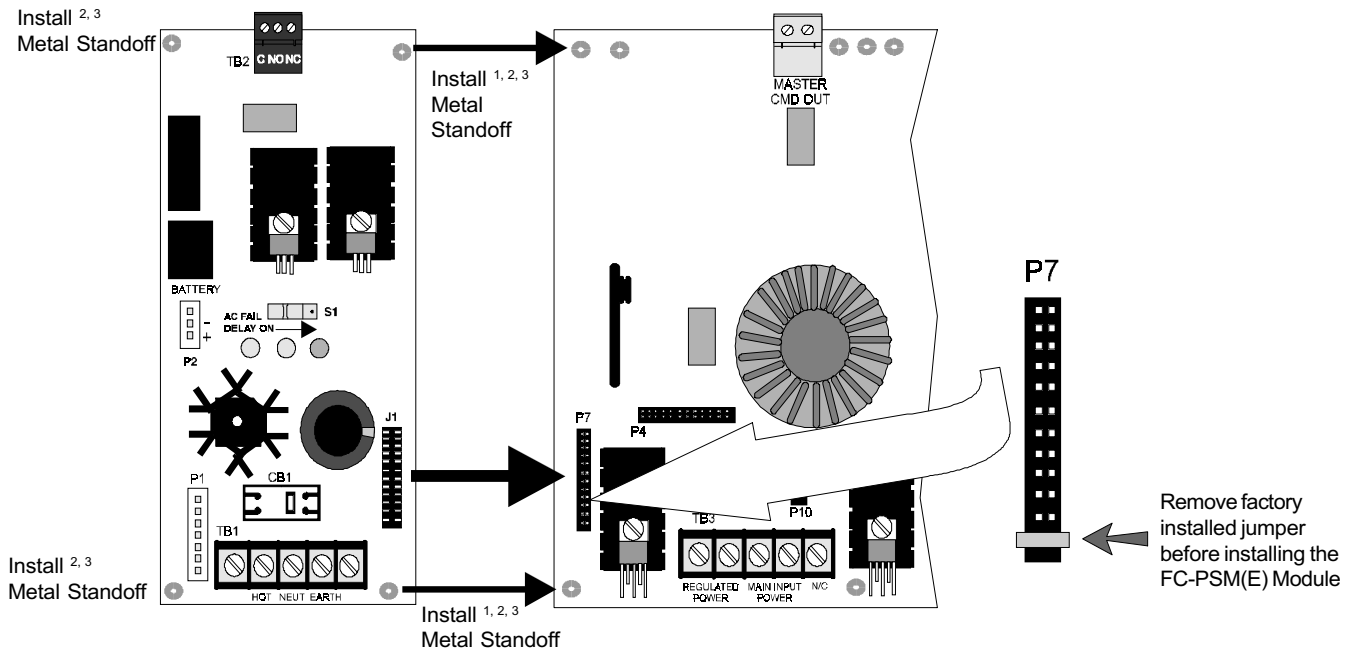
### Product Installation Drawing

Document 50612 Rev B 8/8/97 ECN 97-303

**CAUTION!** Make certain all power (AC and DC) is removed before any connections are made.

#### FC-PSM(E) Power Supply/Battery Charger Module Installation

1. Remove two mounting screws from the top left and bottom left corners of the main circuit board (largest circuit board mounted closest to cabinet back).
2. Install two short metal standoffs, which are supplied with the FC-PSM(E) Power Supply/Battery Charger Module, by screwing them into the top left and bottom left corners of the main circuit board, where the screws were removed in Step 1.
3. Install the two supplied long metal standoffs by screwing them onto the threaded mounting studs in the top and bottom mounting rails in the back box. The mounting studs are located to the far left on each rail (refer to illustrations on following page).
4. Remove the factory installed jumper from connector P7 of the main circuit board. P7 is located on the bottom left corner of the main circuit board (refer to illustration below).
5. Carefully align connector J1 on the FC-PSM(E) Power Supply/Battery Charger Module with connector P7 on the main circuit board and press the FC-PSM(E) securely into place. Make certain the pins are properly aligned to prevent bending or breaking any pins.
6. Secure the FC-PSM(E) to the standoffs using the two screws removed in Step 1 and two supplied screws. It is important that the module be secured with the metal screws in order to help protect against lightning electrical transients.
7. Continue with the FC-PSM(E) transformer installation as described on the following page.

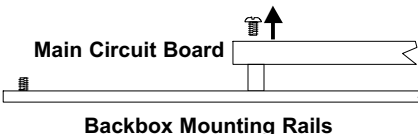


#### FC-PSM(E) Power Supply/ Battery Charger Module

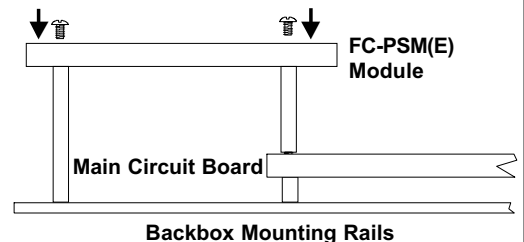
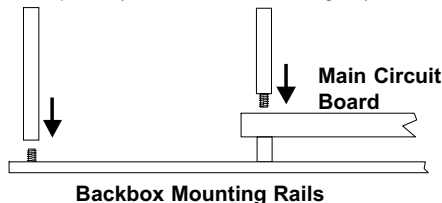
#### Voice Evacuation Control Panel Main Circuit Board

<sup>3</sup> Install FC-PSM(E) Module and secure with four screws

<sup>1</sup> Remove two mounting screws from main circuit board upper and lower left corners



<sup>2</sup> Install four metal standoffs by screwing into place (note two different lengths)



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**FC-PSM(E) Transformer Installation**

1. Locate two threaded mounting studs in the bottom left corner of the backbox (refer to backbox illustration below).
2. Position XRM-24(E)Transformer Assembly over mounting studs. Transformer should be oriented so the cable assembly is to the left as illustrated below.
3. Secure Transformer to the studs with the two supplied nuts. Do not tighten one nut until the next step.
4. Connect a wire from a solid earth ground to one of the Transformer mounting studs and tighten the nut. This connection is necessary in order to provide proper lightning and transient protection for the panel.
5. Plug the XRM-24(E) Transformer cable assembly into connector P1 which is located in the lower left corner of the FC-PSM(E) Power Supply/Battery Charger Module. Note that the Transformer cable connector is keyed to prevent incorrect connection.
6. Complete the installation by connecting the AC power wires to the Hot, Neutral and Earth terminals of TB1 on the FC-PSM(E) Power Supply/Battery Charger Module.
7. If batteries are being used, connect the batteries (17 AH max.) to connector P2 located to the left center of the FC-PSM(E) Power Supply/Battery Charger Module.
8. Apply power to the panel.

