

Wiring Change Required for ISO Shelter Circuit Breaker

AFMLO/OL-2 recently discovered the ISO shelter circuit breaker for the "Hamilton" field sink (6545-01-302-1899) is incorrectly wired which could lead to premature pump failure when the sink is employed with non-pressurized water sources. The subject circuit breaker is wired for 3-phase power instead of the 2-phase needed for the sink to operate properly. All ISO shelters equipped with a sink outlet for the Hamilton sinks are affected. These include the ATH lab and X-ray shelters and all of the shelters except surgery in the 250-bed CH. Below are the instructions for correcting the problem. The inspection and repair procedure can be accomplished by a BMET in less than 15 minutes. If you have any questions, contact William Synder at (817) 885-6963, e-mail: Bill_Synder@ftdetrick-ccmail.army.mil or fax (817) 885-5603.

Correction Procedure

- 1. Check to see if the ISO shelter is equipped with a dedicated field sink outlet. The outlet is mounted near the rear cargo doors in the x-ray ISO; the rest are mounted next to the main circuit breaker panel at the front of the shelter.**
- 2. Disconnect all input power to those shelters that have sink outlets.**
- 3. Remove the front of the main circuit breaker panel (4 screws) and set it aside.**
- 4. The 40-amp, 3-pole, sink circuit breaker is located in the lower right side of the panel.**
- 5. Relocate the white wire in the breaker to the neutral bus at the top of the main panel (tan ISO's), or the lower right side (green ISO's).**
- 6. Reinstall the front cover on the circuit panel.**
- 7. Change all references to 3-phase power in the service manual to read 2-phase.**

Note: The 3-pole circuit breaker will function normally without the three poles being energized.

