1. Both sources must be in phase within ±1°. Factory default. The phase window is adjustable by user to enable transfers. Phase sequence is set-up to be A-B-C for both sources.

2. 2 Kirk key interlock. Source 1 & source 2 bypass breakers are interlocked. Kirk key removable when breaker is locked in off position.

3. Source 1 & source 2 input breakers will shunt trip due to SCR shorted failure.

4. SCR's of both poles are monitored for failures. Shorted and open (continuity monitor) conditions are alarmed with appropriate automatic action.

5. When source neutrals are brought to STS connection to output is solid (un-switched).

6. Fuse (F63A) powers logic while in bypass, follow operating instructions fully.

7. Optional local "emergency power off" pushbutton will shunt trip source 1 and source 2 input and bypass breakers.

8. Alarm relay contacts rated 2 amps @ 120 vac or 24 volt.

9. For "User Interface Board" location refer to the outline drawing.

10. 200A and below units do not have fans.

11. 400A to 600A units have 4 cabinet fans.

12. 800A to 1000A units have 3 cabinet fans.

13. 1200A units have 3 cabinet fans and 3 heatsink fans.

**User Interface Board** (physical layout)