

GUIDLINES FOR CHECKING SR QUADRUPOLE, SEXTUPOLE AND CORRECTOR PARALLELED THERMAL SWITCHES

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1. Assemble tools, meters, documents, keys, etc in a cart.
2. Lockout – Tagout desired zone.
3. Proceed to desired Converter cabinet and open rear doors.
4. Identify interlock cards and record on log sheet the sector number, cabinet number and the magnet names in order for that cabinet.
5. Disconnect ribbon connector from the first interlock card.
6. Measure and record the resistance of the paralleled combination to ground.
7. Measure and record the resistance of the paralleled combination.
8. Disconnect one lead of a thermal switch cable from the interlock card.
9. Measure and record resistance of thermal switch circuit wire pair 3.
10. Measure and record resistance of thermal switch circuit wire pair 4.
11. Make a note of any anomalous readings (e.g. ground fault, open or greater than 5 ohms) in the comments column.
12. Reconnect lead to interlock card.
13. Reconnect ribbon cable to its connector.
14. Repeat steps 5 to 13 for each magnet.
15. Reset interlocks and make sure all rest okay.
16. Close converter cabinet and relock.
17. Go to next converter cabinet and repeat steps 3 to 16.
18. Reposition Lockout-Tagout as required.
19. Notify Responsible Engineer of any bad readings to schedule repairs.
20. Log sheets will be placed in a binder and saved for reference.

