

Starkrimson Ultra Protection Circuits

1. Overcurrent Protection
 - When an overcurrent (overload) condition occurs the amplifier immediately shuts down and stays off for 20 seconds. During this time OC (D21) LED will be illuminated. This LED is off during normal operation. It is normal for the LED to turn on when power is first applied.
2. Over-Voltage Protection
 - The amplifier will immediately shut down if the power rail voltage exceeds +/-43.4V. The amplifier will remain shut down as long as the overvoltage condition exists. During this condition, the OV (D20) LED will be illuminated.
3. Thermal Protection (RT1)
 - The amplifier will turn off upon the thermistor temperature reaching 85°C (185°F). The amplifier will remain off until the temperature drops below 65°C (149°F). THE THRM (D3) LED will be illuminated during the time the amplifier is cooling off.

During normal operation, the PWR (D19) LED is illuminated and the fault LEDs (OV, OC, and THRM) are off.

