

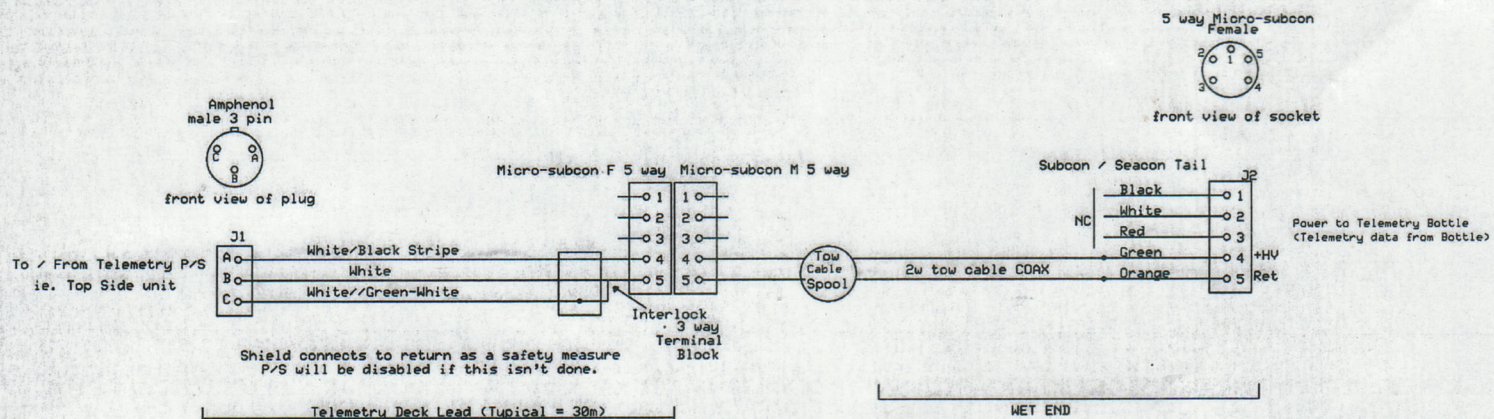
Operation TDK GEN150 model power supply

- The Voltage and Current operation is internally set so the adjustment knobs on the front panel will not affect the normal telemetry function
- When the supply is first switched on, it displays OFF. The OUT button will enable power
- If SO is displayed, this indicates that the supply has Shut Off because the cable safety interlock has been disconnected. Remake the interlock and press OUT to enable
- OVP may stop operation and cause the Alarm red light to come on. The Over Voltage Protection is still active from the front panel controls and should be set above the maximum operating voltage of the system of 150V. Press OVP once and adjust the Voltage knob until the OVP voltage is 151V
- FOLD light should be set to OFF

Gradiometer mode and power dissipation

- There is a switch on the rear of the power supply to configure between Grad (two Magnetometers) and Mag (one Magnetometer) operation. In Grad mode the current limit will be set to 2.2A, in Mag mode the current will be limited to 1.1A. Operating a single magnetometer in Grad mode will cause the telemetry bottle to overheat if not cooled by sea water
- Operating for extended periods on deck with no magnetometers connected will cause the telemetry bottle to dissipate all of its power as heat and can cause damage, the power supply should be switched off (By using the OUT function) when not in use

Deck lead wiring and safety interlock



Packing TDK GEN150 model power supply

- No wet cables, or accessories must be packaged with this supply
- The supply must not be packed in its transit case with the 19" rack mounts fitted
- The supply must be protected from the telemetry bottle rattling inside the transit case to prevent damage occurring