



REMOTE DEVICE
USER REFERENCE SHEET
FOR

REMOTE POWER SUPPLY
Part No. 05P00090-0259

For use with MicroTrac DSD Remote PCBs or Assemblies

INTRODUCTION

This assembly (which is identical to the Control Voltage Power Supply used in the MicroTrac DSD drive) produces control level voltages for use by MicroTrac DSD remote devices. It meets UL and CSA standards.

A single power supply can support any of the following:

- 1) One Remote I/O [Input/Output] Controller LAN Node PCB (RIO) plus a combination of up to six Remote I/O PCBs.
- 2) One Remote Display Controller LAN Node PCB (RDC) plus up to three Remote Display Units (RDUs).
- 3) Up to 5 Remote Display Units (RDUs) which make up part of the possible total 31 that can be controlled by a single RDC.
- 4) One Remote Serial Communications Controller LAN Node PCB (RSC).

HARDWARE DESCRIPTION

CONFIGURATION

The circuitry of this power supply is of open printed wiring board (PWB) construction, mounted inside a metal enclosure. The assembly is designed to be panel mounted. It has two male Molex connectors, one for input power and one for output wiring.

POWER REQUIREMENTS

This power supply requires 1ø, 95-132 VAC, 50/60 Hz input power. Use a five-pin female Molex connector (with pins 2 and 4 not used) to wire input power to connector J1, with line to pin 1 and neutral to pin 3. Wire from pin 5 of the Molex connector to panel ground (if mounted on a grounded panel) or to earth ground.

REMOTE DEVICE INTERCONNECT

If this power supply is being used to provide control voltages to a Remote LAN Node PCB (and any associated remote devices), use 13-pin female Molex connectors to fabricate a pin-to-pin compatible wire harness (with pin 13 not used at both ends) to connect J2 on the power supply to J3 on the LAN Node PCB.

If this power supply is being used to provide power to one or more RDUs (separate from the three that can receive power directly from an RDC), run wires from the following pins of a 13-pin female Molex connector (for connection to J2 on the power supply) to terminals on the first RDU:

<u>J2</u> <u>PIN #</u>	<u>CONTROL</u> <u>VOLTAGE</u>	<u>RDU</u> <u>TERMINAL</u>
1, 2 or 3	+5V REG.	TB1(8)
9 or 10	DC COM	TB1(9)

Daisy chain from these terminals on the first RDU to the same terminals on the other RDUs in the group.