PSU-123 and PSU-125 Power Supply

1. Intent & Scope

This document describes the installation procedure for the PSU-123 (PSU-125) MicroComm DXI power supply.

2. Description

MicroComm DXI PSU-123 (PSU-125) is a wall mount power supplies designed to power Master Stations or Remote Receiver Racks that cannot be conveniently wired up to a card cage power supply i.e. because of distance the voltage drop may be too large unless heavy gauge wire is used. The PSU-123 (PSU-125) can be used as either a ±12 Volt dc power supply or as a +24 Volt dc supply.
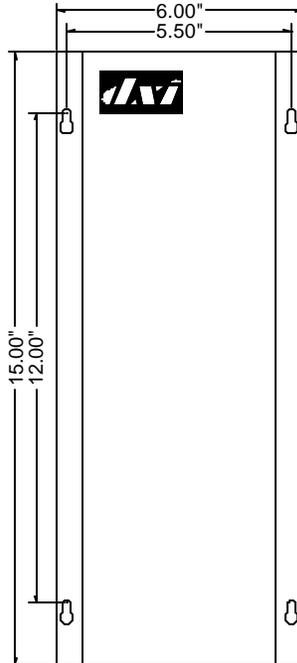
The PSU-123 can supply up to 3.4 amps, while the PSU-125 can supply up to 5 amps. As an example the PSU-123, it is capable of supplying power to 3 desk top Master Stations, or to one RRR-100 containing an RRD-100 and an SAB-100 operating at full load.

The dc power output for both power supplies has internal short circuit protection. The PSU-123 (PSU-125) 110 Vac input supply is protected with a 2 (3) amp fuse.

3. Installation

Either #8 or #10 round head screws can be used to wall mount the PSU-123 (PSU-125). The following diagram gives the mounting hole detail. If the power supply is mounted in an enclosed cabinet care should be taken to insure that there is adequate ventilation to dissipate the heat generated by the supply.

Mounting Hole Detail of PSU-123 (PSU-125) power supply

The PSU-123 (PSU-125) requires 110 Vac input power and it is supplied with a permanently connected 6 ft (1.8 metre) 110 Vac power cord.

The power supply outputs are provided on a 4 position terminal block. The pin terminals are labeled as follows:

TB Pins	Function
1	+12 Vdc
2	Gnd
3	-12 Vdc
4	Earth

±12 Vdc connection

Connect pin 4 (Earth) to pin 2 (Gnd). Take ±12 Vdc output from pins 1, 2, and 3.

+ 24 Vdc connection

Connect pin 4 (Earth) to pin 3 (-12 Vdc). Take +24 Vdc output from pins 1 and 3.

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Fuse Location and Terminal Connections to PSU-123 (PSU-125)