



INSTALLATION INSTRUCTIONS

MicroComm DXI

PSU-310 Power Supply

1. Intent & Scope

This document describes the installation procedure for the PSU-310 MicroComm DXI power supplies.

2. Description

The PSU-310 MicroComm DXI power supply provides a +12 volt DC output and a -12 volt DC output. Devices that require 24 volt DC power supply can be driven from across both outputs. The PSU-310 outputs are rated at 30 amps and the unit is designed to mount in EIA standard 19" equipment racks and occupy 3 U (5.25") of vertical rack space.

An illuminated power on/off rocker switch, +12 VDC indicator, and -12 VDC indicator is located on the front of each power supply.



PSU-310 Power Supply

3. Installation

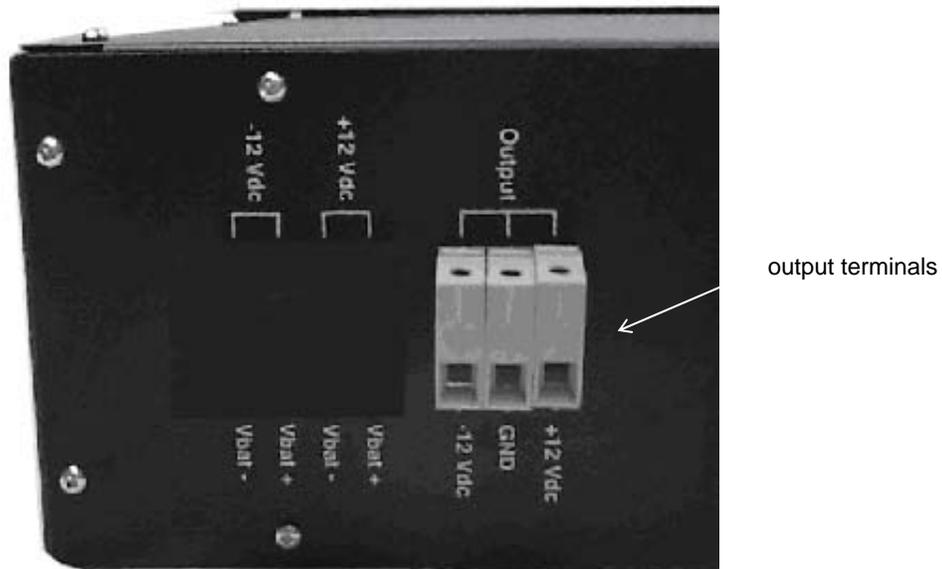
Each I/O card cage should be supplied with its own power supply mounted below it in the same equipment rack. The power supply requires 120 Vac 15 amp input power which should be provided by a UPS if it is required that the system operate during main power failures.

The power supply outputs are provided on a three terminal block on the rear of the power supply.

The minimum allowable wire size for connecting the power supplies to the card cages is #10 awg. Each output terminal on the power supply terminal block has to be connected to the corresponding terminal on the I/O card

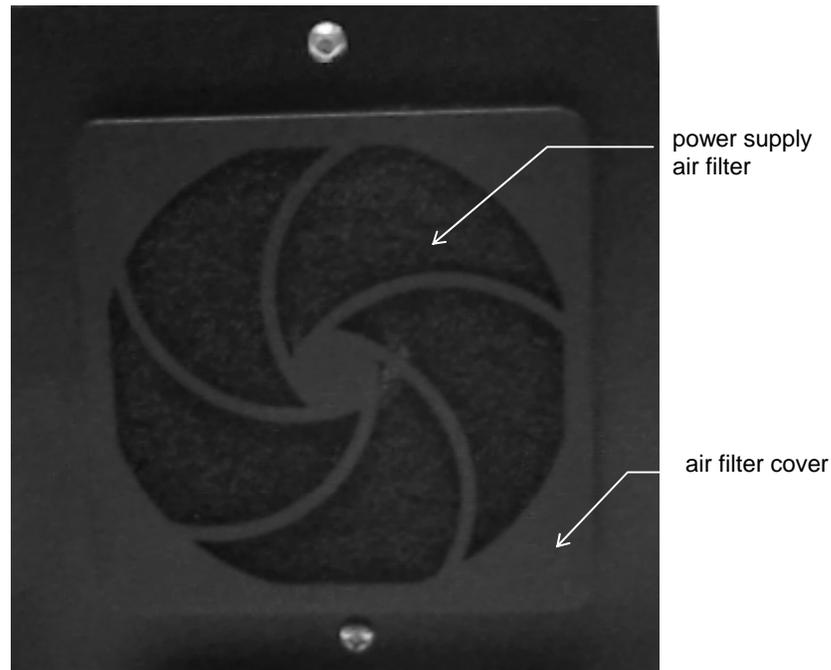
PSU-310 Power Supply

cage that it powers. When terminating the cables, ensure that the clamping screws are tightened snugly and the cables are secure in the terminal block.



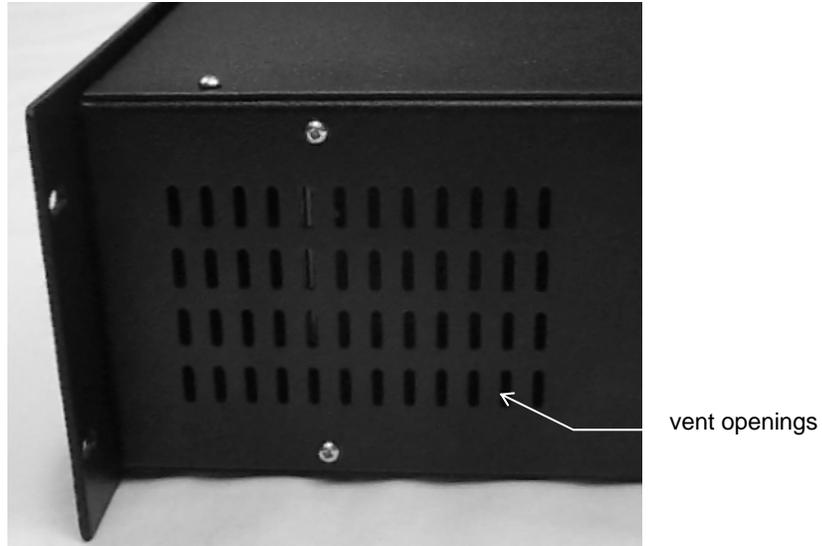
Power Supply Terminations

The power supply uses a filtered fan on the rear for cooling. To ensure reliable operation of the system, the filter on this fan should be checked and either cleaned or replaced on a regular basis. The filter can be removed by lifting the cover with a small screwdriver.



Power Supply Air Filter

When the power supply is installed in the rack you must ensure that the vent openings on the front of the power supply and sides of the power supply, near the front, are not blocked. If they are blocked, the power supply may be permanently damaged by overheating.



Power Supply Vent Openings

4. Safety Instructions

The power supply is connected to the socket outlet via a pluggable power cord. The socket-outlet shall be installed near the equipment and shall be easily accessible.