

# 7200/72A/72RA Series Power Strip Installation Guide

## Safety Instructions

**Before installation read these instructions carefully and completely.** These installation instructions cannot cover every possible installation, operation or maintenance situation. Further information can be obtained from the product data sheets, which can be obtained from Spectrum Control, Inc.

This Power Distribution Unit (PDU) is constructed and approved in accordance with the safety requirements of IEC/EN60950 and FCC emission standards.



**WARNING!** Never work on the PDU if power is applied!

Before any installation, maintenance or modification work, ensure that the power source is switched off, and properly secured to remain off. Touching any live components or improper handling of this PDU can result in death, severe personal injury, or substantial damage to property. Safe operation is dependent upon proper storage, handling, installation and operation.

Compliance with the relevant national regulations in the USA, Europe, or other countries, must be ensured. Before operation is started, the following conditions must be observed:

- Connections to mains supply in compliance with national regulations (NEC, NEMA, VDE0100 and EN50178).
- Use of stranded wires; all strands must be fastened in the terminal blocks (Potential danger of contact with the enclosure).
- Power supply and mains cables must be sufficiently fused.
- Degree of protection I to IEC536. The non-fused protective earth connection must be connected to the Field Ground Terminal.
- All output wires must be rated for the output current of the PDU, and must be connected with the correct polarity.
- The main socket-outlet shall be installed near the equipment and shall be easily accessible.

## Installation Instructions

1. Attach the vertical mounting brackets to the PDU with the supplied screws.

2. This PDU is designed for indoor usage and should be mounted vertically into a standard EIA 19" equipment rack. The unit should be attached via mounting brackets behind, beside, or on the vertical rails with proper screws. Placement of the PDU is dependent upon customer preference.



**WARNING!** Failure to properly ground this PDU by not tightening the rack screw fasteners, or fully insert the PDU into the equipment rack can create a hazardous condition to the installer and to the equipment.

3. Attach the equipment loads into the matching receptacles. Total combined load must be less than that specified on the label.



**WARNING!** Prior to connecting input power cables, ensure that the circuit breaker is turned off, and that the input power to the PDU is turned off.

4. Attach the power source to the input receptacle(s) on the PDU.



WARNING! Some PDU models come equipped with Transient Voltage Suppression circuitry, which is internally connected across the input, and from each input connection to ground. If TVS circuitry is present, prior to any system Hi-Potential testing, an external TVS grounding screw must be removed.

- Locate the TVS grounding screw identified on the rear apron of the PDU.
  - Using a Torx Screwdriver, T-15, remove but do not discard the screw.
  - The PDU is now ready for system “Hi-Pot” testing.
  - After Testing, re-insert the Torx screw, and tighten fastener to 6 in-lb.
5. VERIFY – prior to applying power to the PDU, ensure the input circuit breaker is turned-off. Apply power to the PDU.
  6. VERIFY – If PDU is equipped with LEDs, verify the LED indicator lamps illuminate.



#### WARNING!

Elevated Operating Ambient – If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Considerations should be given to installing the equipment compatible with the maximum rated ambient temperature of 25°C (0 to +55°C for non-metered units).

Reduced Air Flow – Installation of the equipment in a rack should be such that the amount of airflow required for safe operation of the equipment is not compromised.

Mechanical Loading – Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

Circuit Overloading – Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on over-current protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern. For North American permissible loads, refer to Article 210.23 of the National Electric Code.

Reliable Earthing – Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit.

- Output connector voltage rating is 200-240V ~
- Maximum current rating is located on silkscreen next to outlets