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PowerRACK™ Rolling Distribution Racks

Installation and Operation Instructions for Rack Mount Power Distribution Products Model PRM

Safety Instructions

Important Safety Instructions

- Read these instructions.
- Keep these instructions for future reference
- Heed all warnings.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings.
- Do not install near any heat sources such as radiators, heat registers, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug.
- Use only when installed in a 19 inch rack. When a portable rack is used, use caution when moving the rack to avoid injury from the rack tipping over.
- Refer all servicing to qualified service personnel. Servicing is required when the equipment has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled into the equipment, the equipment has been exposed to rain or moisture, does not operate normally, or has been dropped.

Before Installation

Before installing Model PRM power distribution equipment please read the following important information:

WARNING: To reduce the risk of fire or electric shock, do not install apparatus where it will be exposed to rain or moisture.

WARNING: Apparatus shall be connected to a mains socket outlet with a protective grounding connection.

WARNING: To prevent injury, the apparatus must be securely attached to the rack.



- The disconnect device (supply plug) shall remain readily operable.
- The device must be mounted and used in a 19 inch rack system to prevent accidental operation of circuit breakers. One means of accomplishing this is to recess the mounting rails securing the apparatus into the rack system so that the apparatus is protected by the sides, top, and bottom of the rack system from accidental operation of its circuit breakers.
- The apparatus must be mounted in a rack system of suitable size and weight capacity.
- All equipment using circuit breakers generate heat. The rack system housing the apparatus must provide suitable ventilation for all of the apparatus installed within it, and the choice of equipment and arrangement within a rack system housing the apparatus must permit suitable ventilation.



Installation and Operation Instructions

Rack Mount Power Distribution Products

Installation

WARNING: To prevent injury, this apparatus must be securely attached to the rack in accordance with the installation instructions.

Align the Model PRM power distribution equipment in a 19" equipment rack system so that all of the power distribution unit's mounting holes align with mounting holes in the 19" equipment rack rails. Every mounting hole in the power distribution equipment must be secured with a mounting screw.

Support the weight of the power distribution equipment while installing all mounting screws.

Route the power supply cord or cords supplying power to the power distribution equipment so that they remain readily operable, and are protected from accidental dislocation or disconnection.

Fully seat all power supply plugs into their mating connectors and receptacles.

Operation

Power Supply Cords and Connectors

Model PRM Power Distribution Equipment is offered with a variety of power supply cords and connectors. Ensure that all power supply connectors are securely seated in their mating receptacle before use. Route cables so that they do not get damaged by any moving carts or motorized equipment such as forklifts. Also route the cables to ensure that they do not pose a trip hazard.

Circuit Breakers

Model PRM Power Distribution Equipment is offered with a variety of Circuit Breakers, suitable for the connectors that they protect. Circuit breakers must be OFF any time cables are connected or disconnected. Circuit breakers provide overcurrent protection. If a circuit breaker trips, always investigate the cause of the overcurrent situation, and take remedial action before resetting the breaker.

Power Outlets, Receptacles and Indicators

Model PRM Power Distribution Equipment is available with a variety of Power Outlets, Receptacles and Indicators. Ensure that all load plugs are securely seated in their mating receptacle before use. Route cables so that they do not get damaged by any moving carts or motorized equipment such as forklifts. Also route the cables to ensure that they do not pose a trip hazard.

If your model is so equipped, as a convenience, LED indicators show presence of incoming power and/or output power at a receptacle.

Preparing for Operation

Turn all of the Power Distribution Equipment's input and branch circuit output circuit breakers OFF.

Determine a suitable location for the Power Distribution Equipment rack. The rack should be located indoors, in a location that provides reasonable protection for any cables connected to the rack.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

WARNING: Apparatus shall be connected to a mains socket outlet with a protective earthing connection.

Connect the Power Distribution Equipment to the source of electrical power.

As applicable, connect loads to corresponding branch circuit receptacles of the Power Distribution Equipment.

Turn ON the input Circuit Breaker of the Power Distribution Equipment

Turn on the Power Distribution Equipment's output circuit breakers, one at a time.

If an output circuit breaker trips at any time, inspect (for faults, short-circuits, overloads, and electrical shock hazards) the connected plug, cord, and equipment utilizing the plug and cord to obtain power before resetting the Circuit Breaker.

Storage, Maintenance and Repair

Storage and Maintenance

Model PRM Power Distribution Equipment do not require any special storage or maintenance procedures beyond ordinary care. Model PRM Power Distribution Equipment should be stored in the same environment they are intended to be used.

Repair

Model PRM Power Distribution Equipment contains no serviceable components, and the equipment must be returned to the factory for service or repair.