



PowerRACK™ Rolling Distribution Rack User Manual



'VICEROY'
PRMK12D-MR4U-2LV



'PRESIDENTIAL'
PRMM18Q-2MR8U-X-LV

Introduction

The PowerRACK™ line of road-worthy Rolling Distribution Racks are configured to meet the needs of numerous indoor site applications. This user manual reviews the proper use of the wide range of locking and non-locking inlet, feed-thru and receptacle versions available. Please take time to review all precautions and warnings in the manual prior to making the proper connections for use. Store this manual in a safe location for future reference.

Unpacking and Inspection

Before you begin your installation check the shipment carefully to confirm it arrived complete and undamaged.

1. Check the contents against the packing list to ensure the devices are the correct models
2. Check the unit for loose or broken components, which might have resulted from shipping
3. Inspect for signs of damage to wiring devices or circuit breakers

If there is any damage to the PowerRACK™ Rolling Distribution Rack, contact Lex Products toll free at 800.643.4460 or email info@lexproducts.com.

PowerRACK™ Rolling Distribution Rack Components (Typical)



Caster Pockets

- Allows for safe stacking of up to (3) units

Line Voltage and Amperage Metering

- Monitor power usage and load

Receptacles

- Female or Output Connector
- Overcurrent Protection provided by Circuit Breakers
- LED Indicators denote presence of load power

Mains Circuit Breaker

- Protects the rack from exceeding rated amperage

Power Inlet

- Input Connector
- Reverse Ground and Neutral configuration shown
- LED Indicators denote presence of line power

Feed Thru

- Output Connector that is the same type as Inlet
- No Overcurrent Protection

Spring Loaded Handles

- Used for moving PowerRACKS only

High-density Polyethylene (HDPE) Panels

- High-impact resistant material
- Suitable for custom engraving

High-capacity Swivel Casters

- (2) Locking swivel casters standard



Step 1: Locating Rolling Distribution Racks

- The PowerRACK™ Rolling Distribution Racks are designed to be used in indoor locations
- Each PowerRACK™ Rolling Distribution Rack should rest on its own casters on a level surface with suitable ventilation and capable of supporting the weight of the unit
- **DO NOT** locate any PowerRACK™ Rolling Distribution Rack in any area prone to standing water
- **DO NOT** use the spring-loaded handles to suspend the rack
- Once properly located, make certain to lock swivel casters

Step 2: Ensure Rolling Distribution Rack is prepared for Connections

- Make certain connections to the Power Inlets (Series 16 single-pole cam connections) **HAVE NOT** been made
- Mains Circuit Breaker for the rack must be in the 'O/OFF' position
- **ALL** Receptacle Circuit Breakers for the rack must be in the 'O/OFF' position
- The Circuit Breaker supplying power to the rack must be in the 'O/OFF' position
 - Supply power **MUST NOT** exceed the voltage rating of the device as identified on the label attached to the enclosure

Step 3: Making Load Connections to Rolling Distribution Racks (Receptacles)

- Best practices dictate that load connections are completed prior to power inlet connections
 - This ensures connections are not made while the circuits are energized or 'live', limiting the potential for shock or damage to personnel or loads
- NEMA Locking Connector
 - Fully insert the male plug into the female receptacle
 - Turn the plug clockwise until it is fully locked, ensuring it is properly seated in its receptacle
- LSC 19 Multi-pin Connector
 - Align male plug with female receptacle and insert, ensuring connection is fully seated
 - Spin the locking collar of male plug until snug, ensuring it is properly seated
- NEMA Straight Blade Connections
 - Fully insert the male plug into the female receptacle, ensuring it is properly seated

Step 4: Making Line Connections to Rolling Distribution Racks (Cam Inlets)

NOTE: If using the feed thru feature, connect the feed thru **BEFORE** the input connections are made

- Single-pole Cam Connectors
 - When **MAKING** the connection, begin with the **GREEN** ground connection, then the **WHITE** neutral connection and finish with the remaining **HOT** connections
 - Firmly insert cam device into connector and rotate clockwise until fully engaged and locked

Step 5: Energizing Rolling Distribution Racks

- Best practices dictate that loads are applied gradually the first time the system is set up
 - Sequentially energizing power distribution systems simplifies locating and identifying electrical issues while isolating them from surrounding components
 1. Turn **ON** the power source supplying power to the rack
 2. Move the Mains Circuit Breaker to the 'I/ON' position
 3. Beginning with the first connected receptacle, move the associated individual circuit breaker to the 'I/ON' position
 4. Ensure the devices fed by that circuit are **ON**, tracing the electrical path to the final device fed by that circuit
 5. Repeat steps 3 and 4 for the remaining circuit breakers

NOTE: If the circuit breaker cannot be energized or trips, check the system for continuity, short circuits and overload, and make the necessary corrections before proceeding.

Step 6: De-energizing Rolling Distribution Racks

1. Turn off all the individual circuit breakers powering the receptacles
2. Move the Mains Circuit Breaker to the 'O/OFF' position
3. Turn OFF the power source supplying power to the rack
4. When BREAKING the line connections (cam inlets) connection, begin with the HOT connections, then the WHITE neutral connection and finish with the GREEN ground connection
5. Break the load connections (receptacles) per the individual wiring device type

Troubleshooting

If there is no power at the Power Inlet (LED Indicators are not illuminated):

- Ensure that all cam connections are in place and tight
- Ensure that power source is live and activate if not on

If there is no power at the Receptacles (Individual LED Indicators are not illuminated)

- Ensure that the mains circuit breaker is 'I/ON'
- Ensure that the relevant individual circuit breaker(s) is 'I/ON'

If a circuit breaker trips, identify source of short circuit or overload and correct before resetting

- Check to see if the circuit is overloaded and reduce loads as needed
- Check for short circuits in the cabling or load device and correct as needed

If a GFCI trips, identify source of current leakage and correct before resetting the GFCI

- Check to see if the circuit is overloaded and reduce loads as needed
- Check for short circuits in the cabling or load device and correct as needed
- Ensure the GFCIs are set by pressing the 'RESET' button

If there is still no power at Receptacles:

- Remove rack from us and contact Lex Products for next course of action

Technical Support

Lex Products is available to help answer any product related inquiries. For any questions or technical advice, please call toll free 800-643-4460 or email info@lexproducts.com.



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