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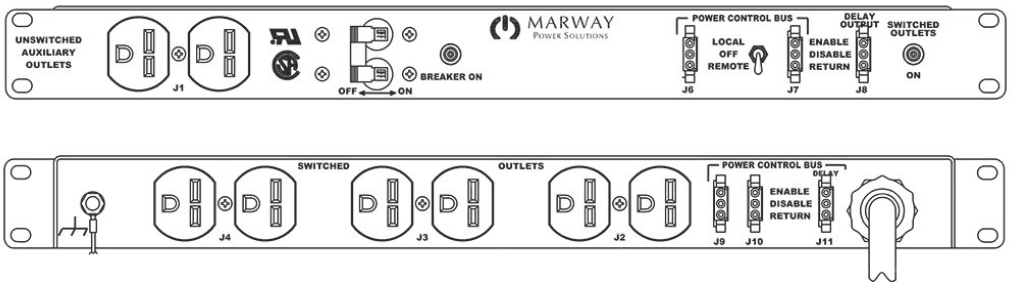
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MARWAY
POWER SOLUTIONS

Optima™ PDUs

MPD 200R 1U PDU Features



Specifications | Feature Descriptions

Product Overview

Quality products from Marway Power Solutions provide a solid foundation of reliable power distribution for any equipment set. For 30 years Marway has specialized in build-to-order and customized systems designed to save space and weight while meeting the unique needs of each application.

PDU family MPD 200 includes a 1U chassis and is designed for single phase 230VAC power.

EMI Protection

EMI protection is provided by a power line filter. Noise and harmonics in the facility power lines can cause problems for sensitive electronic equipment. A filter in the PDU helps prevent noise and harmonics from reaching downstream equipment.

Surge Protection

Spike and surge protection is provided by metal oxide varistors (MOVs). Facility power lines can sometimes transmit a sudden increase in voltage. Even though the voltage spike or surge may be very short in duration, it can damage equipment. The MOV in the PDU clamps the line voltage so it cannot exceed a specified value, thus protecting any connected equipment.

Current Protection

Overcurrent protection is provided by one or more circuit breakers. Equipment faults can cause excessive power to be pulled from facility power lines. This can damage the equipment and power cabling. The circuit breaker in the PDU protects downstream equipment by opening the power line if too much current is being consumed.

EPO and Remote Control

The N.O./N.O. remote type label designates a Normally Open Enable/Normally Open Disable interface for the remote operation of the PDU.

The N.O./N.O. remote interface requires an external normally open signal to ENABLE the switched outputs in the PDU. The external ENABLE contacts must be closed to turn on the PDU outputs. The interface also supports an external normally open signal to DISABLE the switched outputs, which is equivalent to an EPO response. When the external DISABLE contacts are closed, the EPO is initiated. Note that if both signals are applied, DISABLE (EPO) always has priority.

Our Universal Control Panels, are popular systems for providing remote on/off/EPO control of one or more PDUs.

Switching

Local switching allows the power receptacles to be enabled or disabled via one or more switches on the front panel of the PDU.

Remote switching allows the power receptacles to be enabled or disabled via an external control signal. This feature is useful for implementing external interlock circuits, or simply providing the convenience of remote control. The remote interface is controlled through one or more 3-pin remote connectors on the PDU.

The delay connector provides a delayed enable signal. This signal can be used to control other PDUs in a daisy-chain configuration. A cable is used to connect the delay output of one PDU to the remote connector of a second PDU. In this configuration, the first PDU is

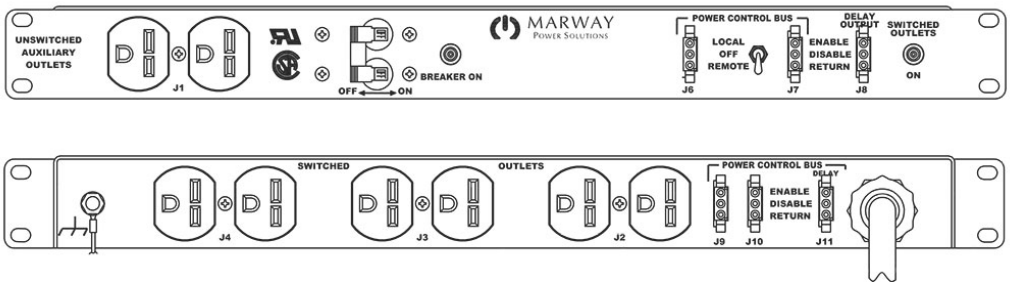
switched on, and then the second PDU is switched on after the time delay. This allows two or more PDUs to switch on in a timed sequence.

Our Universal Control Panels, are popular systems for providing remote on/off/EPO control of one or more PDUs.

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MPD 200R 1U PDU Specs



Specifications | Feature Descriptions

Power Outlets

Front Panel	(2) 6-15R, 230V
Rear Panel	(6) 6-15R, 230V (S)
Other Panels	None



6-15R

Power Input

Voltage	230 Vac
Phase	Single Phase
Frequency	50/60 Hz
Max Current	15 Amps
Max Load	2.76 KVA
Connection	



6-15P

	6-15P, 9 ft cord, 3-wire 14 ga, SJT jacket (Rear panel)
Voltage Monitor	None
Current Monitor	None

Power Protection

Spike/Surge	Yes
EMI Filter	Yes
Over Current	(1) 15A Main Breaker

Remote, Interlocks, and Environment Sensors

Local EPO	None
Remote EPO Type	N.O./N.O. (UCP 3000-12345)
Interlocks	0
Temperature	0
Humidity	0

Communications and Interfaces

Display	None
Serial	None
Ethernet	None
Protocols	None

Physical

Layout	1U
Dimensions	1U x 19" W x 8" D
Materials	Chassis: Steel
Finishes	Chassis: Zinc plated Gold FrontPanel: Zinc plated Gold

Operating Conditions

Temperature	32° to 122° Fahrenheit
Humidity	5% to 85% Relative Humidity
Elevation	6,562 feet

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