

How do I use a cabinet PDU to help manage equipment deployment?



APPLICATION NOTE PR02-002

March 2015

Learn how the HDOT® Alt-Phase PR02™ Switched PDU provides for easy equipment deployment into your data center cabinet.

Typical Application

As the manager of a large critical-operations data center, I am concerned with any logistical procedure that might result in downtime. In particular, addition of new equipment into the data center racks introduces many opportunities for faults. How can I use the cabinet PDU to add a level of control to these procedures and reduce the risks?

Our Solution

The Server Technology HDOT Alt-phase PR02 Switched PDU provides several features designed to reduce the risks associated with cabinet equipment deployments. Start by setting the new PDU outlets to OFF with a Wake Up State of LAST in order to keep outlets in the powered down state until deployment is scheduled. For even more peace of mind, set the outlets to Locked to prevent any switching commands that might accidentally be sent through any interface, including SNMP. To aid with the deployment of new equipment, the administrator can then determine which phases to load based on the billing-grade accurate measurements, name outlets per the equipment, and activate the switched outlet. To aid the installer in finding the correct cabinet and PDU, the administrator can set the PDU to Identify through flashing displays. Feel confident that the installer will be able to use a standard minimal length cable with the alternating-phase outlets. Add the Sunbird's DCIM software Power IQ to help manage assets by RU space through-out the data center.



Outlets							
Configure global outlet options							
Sequence Delay (seconds):	<input type="text" value="2"/>						
Reboot Delay (seconds):	<input type="text" value="15"/>						
State Change Logging:	<input checked="" type="checkbox"/> Enable						
List outlets in selected unit							
Selected Unit:	<input type="text" value="Master"/>						
Configure unit outlet options							
ID	Outlet Name	Socket Type	Extra On Delay	Wake Up State	Locked / No Control	SNMP Trap Notifications	Email Notifications
AA1	Master_Outlet_1	C19	10 sec	On	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AA2	Master_Outlet_2	C13	0 sec	Off	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Server Technology

A brand of Legrand

stay powered. be supported. get ahead.



1-800-835-1515 | sales@servertech.com | www.servertech.com

Designed with high-availability data access in mind.

The PR02 series hot-swappable network card is designed to provide measurement and alert data from the Master PDU and up to three Link PDUs even if power to the master fails. Additionally, as seen in the image below, the link units are wired in a star formation so that failure of any link does not affect communication to the others.

Key PR02 Benefits

- Hot-swappable, redundantly-powered network card (from link PDU)
- Star architecture multi-linking compared to competition's daisy chain design with single point of failure
- Branch current measurements and multi-level alerts
- Shallower enclosure compared to previous generation PDU
- More alarms and configuration options compared to previous generation PDU

Key HDOT Alt-phase PDU Benefits

- Industry standard C13 and C19 with minimized footprint
- Maximum possible outlet density in an intelligent PDU
- High native cord retention, reducing the need for additional locking devices
- Color-coded alternating-phase outputs for easy cabling and load balancing
- Operation to 60°C (140°F) ambient
- Thousands of variations available using our online Build-Your-Own PDU Tool



About Server Technology®

Server Technology, a brand of Legrand, is leading the engineering and manufacturing of customer-driven, innovative and exceptionally reliable power, access and control solutions for monitoring and managing critical IT assets for continual availability.

Server Technology's power strategy experts are trusted to provide Rack PDU solutions for data centers worldwide ranging from small technology startups to Fortune 100 powerhouses. Because power is all we do, Server Technology can be found in the best cloud and colocation providers, forward thinking labs, and telecommunications operations.

Server Technology customers consistently rank us as providing the highest quality PDUs, the best customer support, and most valuable innovation. We have over 12,000 PDU configurations to fit every data center need and most of our PDUs are shipped within 10 days.



Rack PDU Buying Guide

Find the best PDU for your data center

servertech.com/rack-pdu-buying-guide



Rack PDU Selector

Over 2000 standard configurations

servertech.com/product-selector



Build Your Own PDU

Build an HDOT or HDOT Cx PDU in 4 easy steps

byopdu.servertech.com



Speak to a Power Expert

Get free technical support

servertech.com/support



How to Buy

Tools to simplify the PDU buying process

servertech.com/how-to-buy



About Us

Stay Powered, Be Supported, Get Ahead

servertech.com/about-us

1-800-835-1515
sales@servertech.com
www.servertech.com

**Server
Technology®**
A brand of **legrand**