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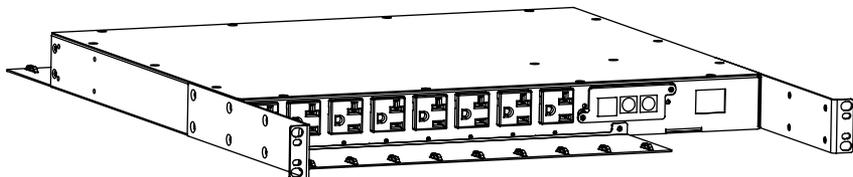


# Owner's Manual

## PDUMH15NET/PDUMH20NET

### Switched Rack PDU

- 120V, 50/60Hz AC Input and Output



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# TRIPP·LITE

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[www.tripplite.com/support](http://www.tripplite.com/support)

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## Important Safety Instructions



### **SAVE THESE INSTRUCTIONS**

**This manual contains instructions and warnings that should be followed during the installation, operation, and storage of this product. Failure to heed these instructions and warnings may affect the product warranty.**

- The PDU provides convenient multiple outlets, but it DOES NOT provide surge or line noise protection for connected equipment.
- The PDU is designed for indoor use only in a controlled environment away from excess moisture, temperature extremes, conductive contaminants, dust or direct sunlight.
- Do not connect the PDU to an ungrounded outlet or to extension cords or adapters that eliminate the connection to ground.
- The power requirement for each piece of equipment connected to the PDU must not exceed the individual outlet's load rating.
- The total power requirement for equipment connected to the PDU must not exceed the maximum load rating for the PDU.
- Do not drill into or attempt to open any part of the PDU housing. There are no user-serviceable parts inside.
- Do not attempt to modify the PDU, including the input plugs and power cables.
- Do not attempt to use the PDU if any part of it becomes damaged.
- Do not attempt to mount the PDU to an insecure or unstable surface.
- Never attempt to install electrical equipment during a thunderstorm.
- Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended. Do not use this equipment in the presence of a flammable anesthetic mixture with air, oxygen or nitrous oxide.

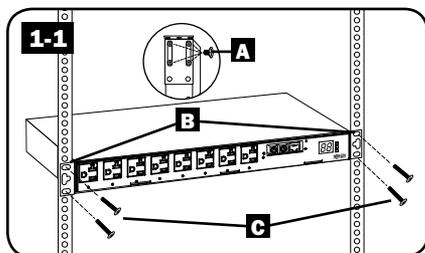
# Installation

## Mounting the PDU

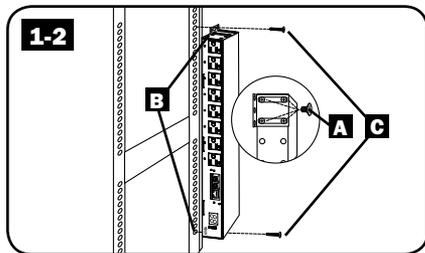
The PDU supports four primary mounting configurations: 1U Rack, OU Rack (Vertical), Wall and Under-Counter.

*Note: Regardless of configuration, the user must determine the fitness of hardware and procedures before mounting. The PDU and included hardware are designed for common rack and rack enclosure types and may not be appropriate for all applications. Exact mounting configurations may vary. Screws for attaching the mounting brackets and cord retention shelf to the PDU are included. Use only the screws supplied by the manufacturer or their exact equivalent (#6-32, 1/4" flat head).*

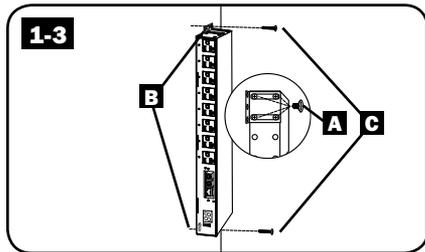
**1-1 1U Rack Mounting:** Use 4 screws **A** to attach each of the 2 longer mounting brackets **B** to the PDU as shown. You can mount the PDU in a recessed position by attaching the mounting brackets so they extend beyond the front panel of the PDU. (If you plan to use the cord retention shelf, attach the mounting brackets in a recessed position.) Mount the PDU in the rack by inserting 4 user-supplied screws **C** through the mounting brackets **B** and into the mounting holes of the rack rails.



**1-2 OU Rack Mounting:** Use 4 screws **A** to attach each of the 2 shorter mounting brackets **B** to the PDU as shown. Mount the PDU vertically by inserting 2 or more user-supplied screws **C** through the mounting brackets **B** and into mounting points in the rack or rack enclosure.

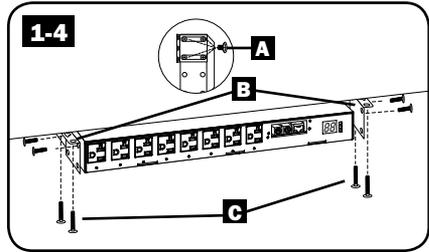


**1-3 Wall Mounting:** Use 4 screws **A** to attach each of the 2 shorter mounting brackets **B** to the PDU as shown. Mount the PDU to the wall by inserting 2 or more user-supplied screws **C** through the mounting brackets **B** and into secure mounting points.

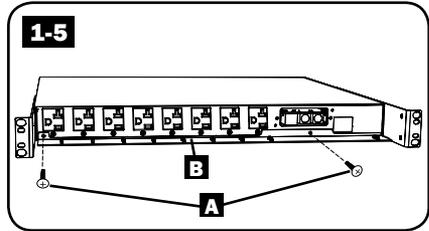


## Installation continued

**1-4 Under-Counter Mounting:** Use 4 screws **A** to attach each of the 2 shorter mounting brackets **B** to the PDU as shown. Mount the PDU under the counter by inserting 2 or more user-supplied screws **C** through the mounting brackets **B** and into secure mounting points.



**1-5 Cord Retention Shelf Attachment (Optional):** Use 2 screws **A** to attach the cord retention shelf **B** to the front panel of the PDU.

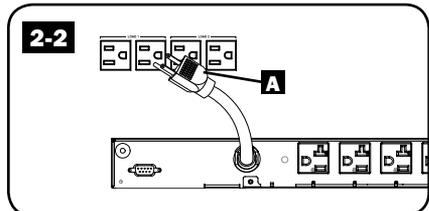
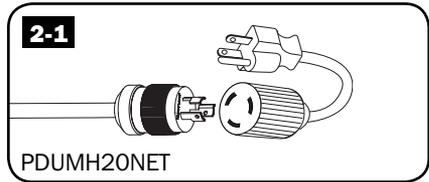


## Connecting the PDU

**2-1 Connect Input Plug Adapters (Optional – PDUMH20NET Only):** The PDU includes an adapter that converts its L5-20P locking input plug to a standard 5-20P input plug. Connecting this adapter is optional. The PDU will function normally without connecting this adapter.

*Note: The AC power source should not share a circuit with a heavy electrical load (such as an air conditioner or refrigerator).*

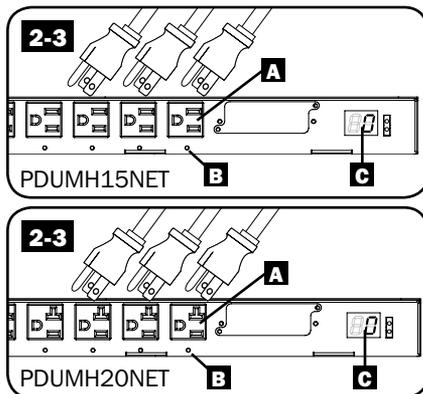
**2-2 Connect Input Power Cord (PDUMH15NET and PDUMH20NET):** Connect the input plug **A** to a compatible source of AC power, such as a UPS system, PDU or utility outlet. The PDU should be provided with over-current protection: PDUMH15NET with a maximum 15A branch-rated protection device; PDUMH20NET with a maximum 20A branch-rated protection device.



## Installation continued

### 2-3 Equipment Power Cord

**Connection:** Insert power cords into the NEMA 5-15R output receptacles **A** (PDUMH15NET) or NEMA 5-15/20R output receptacles **A** (PDUMH20NET). The LED **B** near each output receptacle illuminates when the receptacle is ready to distribute live AC power. The digital load meter **C** will display the total connected equipment load in amps.

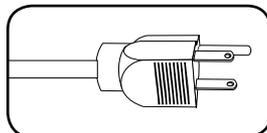


## Networking the PDU

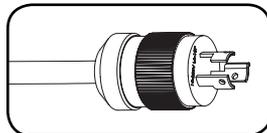
For Instructions on networking the PDU, refer to the SNMPWEBCARD Quick Start Guide on the included CD-ROM.

## Features

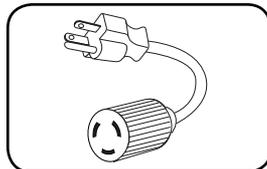
**AC Input Power Cord (Model PDUMH15NET):** The cord is permanently attached to the PDU and has a NEMA 5-15P plug.



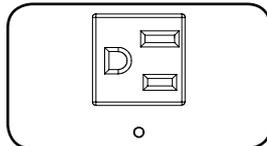
**AC Input Power Cord (Model PDUMH20NET):** The cord is permanently attached to the PDU and has a NEMA L5-20P locking plug.



**AC Input Adapter (Model PDUMH20NET):** The adapter converts a NEMA L5-20P input plug to a NEMA 5-20P input plug.

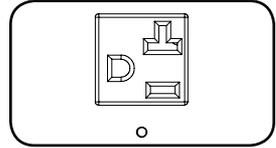


**NEMA 5-15R Output Receptacles (PDUMH15NET):** During normal operation, the output receptacles distribute AC power to connected equipment. When an outlet is live, its associated LED illuminates.

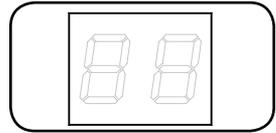


## Features continued

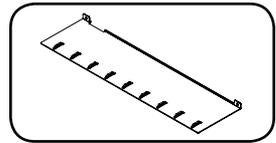
**NEMA 5-15/20R Output Receptacles (PDUMH20NET):** During normal operation, the output receptacles distribute AC power to connected equipment. When an outlet is live, its associated LED illuminates.



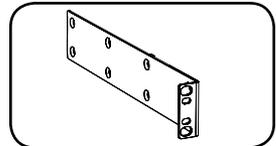
**Digital Load Meter (Ammeter):** The total electrical current drawn by connected equipment is displayed on the meter in amperes.



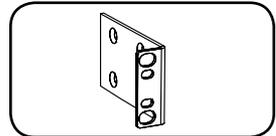
**Cord Retention Shelf:** When attached to the PDU, the cord retention shelf provides secure attachment points for the input cord and connected equipment cords. Use the included cable ties to secure the cords to the shelf.



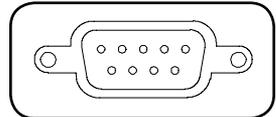
**Longer Mounting Brackets:** Use these brackets to mount the PDU horizontally in a standard rack or rack enclosure. The mounting depth can be adjusted by attaching the brackets to different positions on the PDU.



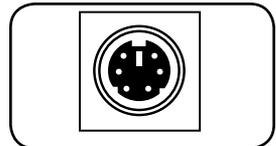
**Shorter Mounting Brackets:** Use these brackets to mount the PDU in a OU rack, wall or under-counter configuration.



**Factory Port:** The port is reserved for configuration by factory authorized personnel only. Do not connect anything to the port.

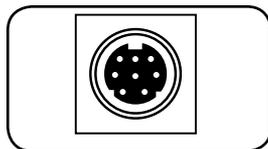


**PS/2 Port:** Use this port to connect a Tripp Lite ENVIROSENSE environmental sensor to provide remote temperature/humidity monitoring and a dry contact interface to control and monitor alarm, security and telecom devices. Contact Tripp Lite Customer Support at (773) 869-1234 for ordering information. *Note: Do not connect a keyboard or mouse to this port.*

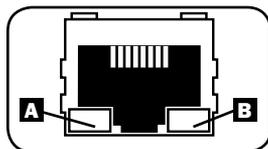


## Features continued

**Mini-DIN Serial Port:** Use this port to provide a direct terminal connection to a computer with a terminal emulation program. A serial cable (part number 73-1025) is included with the PDU. If you need to order a replacement cable, contact Tripp Lite Customer Support at (773) 869-1234.



**Ethernet Port:** Use this RJ-45 jack to connect the PDU to the network with a standard Ethernet patch cable. The Link LED **A** and Status LED **B** indicate several operating conditions, as shown in the table below. *This port is not compatible with PoE (Power Over Ethernet) applications.*



### Network Operating Conditions

#### **A** Link LED Color

Off	No Network Connection
Flashing Amber	100 Mbps Network Connection
Flashing Green	10 Mbps Network Connection

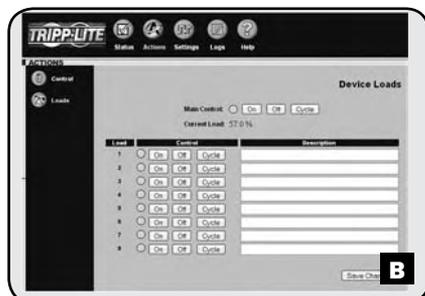
#### **B** Status LED Color

Off	Card Not Initialized
Steady Green	Card Initialized and Operational
Flashing Amber	Error - Card Not Initialized

## Configuration and Operation

### Remote Monitoring and Control

The PDU provides remote monitoring **A**, outlet control **B** and more via Web browser, telnet and SNMP-based Network Management Systems. For more information about configuration and operation of the PDU via the PowerAlert Web browser interface, refer to the SNMPWEBCARD User's Guide, included on the CD-ROM bundled with the PDU.



## Technical Support

Website: [www.tripplite.com/support](http://www.tripplite.com/support) • E-mail: [techsupport@tripplite.com](mailto:techsupport@tripplite.com)

## Warranty and Warranty Registration

### LIMITED WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in material and workmanship for a period of 2 years from the date of initial purchase. If the product should prove defective in material or workmanship within that period, Seller will repair or replace the product, in its sole discretion. Service under this Warranty can only be obtained by your delivering or shipping the product (with all shipping or delivery charges prepaid) to: Tripp Lite, 1111 W. 35th Street, Chicago, IL 60609 USA. Seller will pay return shipping charges. Visit [www.tripplite.com/support](http://www.tripplite.com/support) before sending any equipment back for repair.

THIS WARRANTY DOES NOT APPLY TO NORMAL WEAR OR TO DAMAGE RESULTING FROM ACCIDENT, MISUSE, ABUSE OR NEGLIGENCE. SELLER MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY EXPRESSLY SET FORTH HEREIN. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ALL IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE; AND THIS WARRANTY EXPRESSLY EXCLUDES ALL INCIDENTAL AND CONSEQUENTIAL DAMAGES. (Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from jurisdiction to jurisdiction).

WARNING: The individual user should take care to determine prior to use whether this device is suitable, adequate or safe for the use intended. Since individual applications are subject to great variation, the manufacturer makes no representation or warranty as to the suitability or fitness of these devices for any specific application.

### WARRANTY REGISTRATION

Visit [www.tripplite.com/warranty](http://www.tripplite.com/warranty) today to register the warranty for your new Tripp Lite product. You'll be automatically entered into a drawing for a chance to win a FREE Tripp Lite product!\*

\* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.

#### FCC Notice, Class A

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. The user must use shielded cables and connectors with this equipment. Any changes or modifications to this equipment not expressly approved by Tripp Lite could void the user's authority to operate this equipment.

#### Regulatory Compliance Identification Numbers

For the purpose of regulatory compliance certifications and identification, your Tripp Lite product has been assigned a unique series number. The series number can be found on the product nameplate label, along with all required approval markings and information. When requesting compliance information for this product, always refer to the series number. The series number should not be confused with the marking name or model number of the product.

#### WEEE Compliance Information for Tripp Lite Customers and Recyclers (European Union)

Under the Waste Electrical and Electronic Equipment (WEEE) Directive and implementing regulations, when customers buy new electrical and electronic equipment from Tripp Lite they are entitled to:

- Send old equipment for recycling on a one-for-one, like-for-like basis (this varies depending on the country)
- Send the new equipment back for recycling when this ultimately becomes waste

Tripp Lite follows a policy of continuous improvement. Specifications are subject to change without notice.



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