

# Intelligent and Standard Power Distribution Units

## General

### **What's the difference between Basic and Monitored-Switch Ready PDU?**

Basic PDUs only distribute power to the receptacles and does not include any power monitoring. Intelligent Monitored-Switch Ready PDUs include power monitoring and the capability to switch power to connected equipment on-off with the use of PDU Switching Cords (sold separately).

### **What provisions exist to lock the cords into the receptacle to prevent an inadvertent disconnection?**

All Hubbell inSIGHT PDUs except 120V PDUs include cord locking. No special cords are required.

### **How to you ground the PDU?**

The PDU chassis/enclosure is connected to earth ground through the PDU plug.

### **What is the specified temperature limits?**

0 to 60 degree C

### **Is TUV equivalent to UL?**

Both TUV and UL labs are nationally recognized testing labs (NRTL) and are recognized by OSHA to test product to appropriate test standards. Further, both are recognized under 29 CFR 1910.7. OSHA considers all recognized NRTLs to be equivalent in their ability to certify product to standards.

### **What is the product warranty period?**

Three year full product replacement warranty. See Hubbell iPDU terms and conditions for more details.

### **What safety or quality standards are used?**

PDUs conform to UL60950-1 for safety and are manufactured in an ISO certified facility using 100% robotically soldered connections.

### **What is the country of origin?**

PDUs are assembled in the USA.



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## Monitored-Switched Ready Intelligent PDU

**Is both static and dynamic IP addressing available?** Yes, this is defined during set up.

### **How do you access the web interface?**

Using a browser window enter the default PDU IP address. The default username and password can then be entered.

### **What information does the LCD touch-screen display?**

PDU group Power / Volts & Amps, sensor temp and relative humidity, internal PDU temperature, switching cord connection / on-off, Admin and Settings.

### **How do I rotate the LCD touch-screen so that it is oriented correctly?**

From the LCD display, advance to Settings and select rotate screen.

### **How many PDUs can be daisy chained together?**

Up to 12 PDU can be daisy chained. The PDU acts as a hub with (2) RJ-45 jacks.

### **How do I duplicate configuration settings from one PDU to another?**

In the admin section of the software, there is a provision to copy and paste PDU settings for the rapid configuration of multiple PDUs.

### **What is the Ethernet port speed?** 10/100 Mbps

**Does the PDU send unexpected event alerts?** Yes, when the PDU is polled from a Network Management Platform it will respond back that it is in an alarm condition.

### **What protocol is used to communicate?**

SNMP V3. A MIB list is available on the Hubbell website in the resources section to map information to an upstream Network Management platform.

### **How do I access firmware updates?**

Updates along with instructions are posted on the Hubbell website in the resources section

### **How do I access a MIB file?**

The MIB file is available on the Hubbell website in the resources section.

**Does the product support IPV6?** Yes.

### **Does the PDU monitor environmental data?**

Yes, when PDU sensors are added, the temperature and humidity is presented on the LCD screen. Further, the web interface presents a graphical view of current state and peak over a two-week period.

### **Does the PDU monitor individual receptacle power consumption?**

Yes, when PDU Switching Cords are included individual outlets can be monitored.



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## PDU Environmental Sensors

### **How are sensors connected?**

A standard RJ12 cable is provided with the sensors and the connection is on the front of the PDU.

### **What do sensors monitor?**

Temperature and relative humidity. Thresholds can be set through the web interface.

### **How many sensors can be added to one PDU?**

Up to 4 sensors are daisy chained, each sensor having a different identifier A-D.

### **How are sensors secured to a cabinet?**

Magnetic attachment or using an included Velcro strap.

### **How long are the sensor cords?**

Each sensor comes with a 6-foot cord. 3 foot and 9-foot cords are available.

### **How do the sensors communicate to the PDU?**

Sensors use a proprietary I2C bus that communicates over a standard RJ12 cord.



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## PDU Switching Cords:

### **How are cords connected?**

After being plugged into the PDU, the button is held for 3 seconds. The PDU software then recognizes the Switching Cord. A 'JOIN' button is selected in the software to complete the connection.

### **What do the cords monitor?**

Amperage and kVA hours.

### **How many cords can be added to one iPDU?**

Max of 50 per PDU.

### **How are cords secured within a cabinet?**

The cord has an included Velcro strap to manage its placement.

### **How long are the switching cords?**

5 feet.

### **What plug types are available?**

IEC C-13/C-14, IEC C-19/C-20

### **How do the switching cords communicate to the iPDU?**

Cords use a proprietary 802.11 wireless communication protocol.



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