

Intelligent Power Distribution Units - Switched

APPLICATION

Leviton's Switched Power Distribution Units provide the solution to many power management problems common in IT environments, including unauthorized use of power outlets, equipment locked up, in-rush current, over-loaded circuits and the need for remote access to power outlets. These problems are addressed through an extensive feature set.



SPECIFICATION

PDU's shall be 1RU (1.75") in height and fit a standard 19" rack. PDU's shall include branch circuit protection with UL-listed Bussman SC fuses per UL 60950-1 and provide input current monitoring via LED display. Current monitoring shall use "True RMS" (root-mean-square) technology to ensure an accurate reading. LED Display shall show 0.0A to 9.5A displayed in half-ampere increments, 10.0 to 30.0A displayed in whole-ampere increments. PDU shall be manufactured using a painted steel enclosure with corrosion-resistant finish. PDU shall also use industrial grade receptacles utilizing industrial-rated plastic material and metal conductors. All internal connection points shall use "quick-connects and IDC" with no exposed wires or connections. PDU's shall provide remote management and configuration to switch on/off or reboot locked-up devices. All Switched PDU's shall allow multiple users to simultaneously manage power distribution from multiple locations. SNMP provides alerts when power, temperature, or relative humidity have exceeded the thresholds defined by the user. Unit shall also include a serial and network port. PDU's shall provide Power Up Sequencing driven by internal hardware to avoid cumulative in-rush current. PDU's shall also include integrated capability for monitoring temperature and relative humidity and shall provide 2 ports for external sensor cords.

FEATURES

- "True RMS" (root-mean-square) Input Current Monitoring provides accurate current reading
- Over-current protection is provided for each branch circuit via UL-listed Bussman SC fuses
- Remote Management provides complete configuration and control to remotely switch on/off or reboot locked-up devices plugged into the unit
- SNMP alerts administrators when power, temperature, and environmental draws have exceeded defined parameters
- Power Up Sequencing controls the interval in which equipment is powered up or down to avoid cumulative in-rush current
- Each switched PDU offers environmental monitoring. An external probe designed to monitor temperature and relative humidity is available separately.

DESIGN CONSIDERATIONS

- LED display(s) indicates aggregate (cumulative) load applied to the input AC circuit
- Mounting hardware for standard 19" rack or cabinet. For special mounting requirements, contact Leviton's Tech Support
- A hardwired power input cord is provided with all 30-Amp PDU's. Power cords for 20-Amp PDU's are available and sold separately. See page 2.
- Product is designed and tested for usage in North America (USA & Canada)
- PDU's are offered in single-phase horizontal rack mount style

STANDARDS COMPLIANCE

cTUVus Tested- Meets UL 60950 specifications

PHYSICAL SPECIFICATIONS

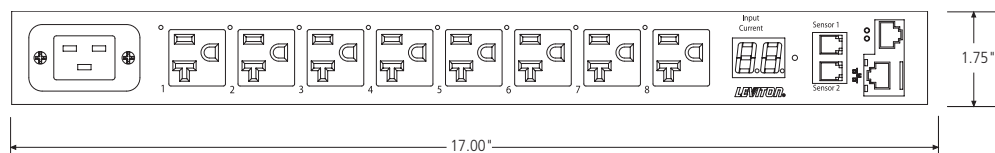
Dimensions: See page two
Temperature Range
Operating: 0 to 50 °C (32 to 122 °F)
Storage: -40 to 85 °C (-40 to 185 °F)

WARRANTY INFORMATION

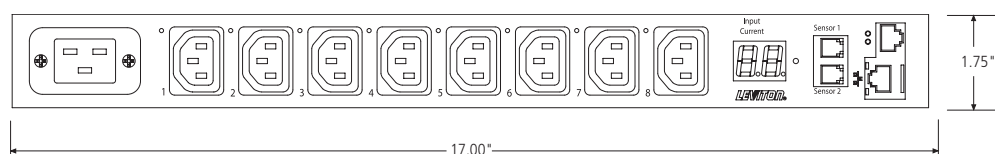
For a copy of Leviton product warranties, visit www.leviton.com/warranty.

ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



SH081-1*1



SH082-1C2

SH081-1*1, SH082-1C2

INTELLIGENT POWER DISTRIBUTION UNITS - SWITCHED

Dimensions	Power Inputs	Power Outputs	Input Voltage	1 or 3 Phase	Amperage	Input Plug Type	Output Receptacle	Part No.
1.75" x 17" x 7"	1	8	110	1	20	C20	5-20R	SH081-1D1
1.75" x 17" x 7"	1	8	208	1	30*	L6-30	C13	SH082-1C2
1.75" x 17" x 7"	1	8	110	1	30*	L5-30	5-20R	SH081-1B1

*All 30 amp PDU include a hardwired power input cord.

ACCESSORIES

Description	Part No.
Power Cord, 15/20A, C19 to L-620, 10 ft.	PCORD-F10
Power Cord, 15/20A, C19 to 5-15P, 10 ft.	PCORD-G10
Power Cord, 15/20A, C19 to 5-20P, 10 ft.	PCORD-A10
Power Cord, 15/20A, C19 to L5-20P, 10 ft.	PCORD-H10
Temperature & Relative Humidity Probe, 10 ft	TCORD-010

