

Switched Power Distribution Units

Vertical

APPLICATION

Leviton 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, overloaded circuits, and the need for remote access to power outlets.



FEATURES

- True RMS (root-mean-square) Input Current Monitoring provides accurate current reading
- Over-current protection is provided for each branch circuit via circuit breakers or 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, and an external probe designed to monitor temperature and relative humidity is available separately
- Model SV242-1C2 offers the ability to pivot the input power cord to provide front or bottom entry into the PDU chassis

PHYSICAL SPECIFICATIONS

Dimensions: See page two and three
 Environmental: See page four

Page 1 of 4

SPECIFICATION

PDUs shall be vertical (Zero-U) in style. PDUs shall include branch circuit protection per UL 60950-1 in the form of circuit breakers or UL-listed Bussman SC fuses. 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 and 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. PDUs shall provide remote management and configuration to switch on/off or reboot locked-up devices. All Switched PDUs 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. PDUs shall provide power-up sequencing driven by internal hardware to avoid cumulative in-rush current. PDUs shall also include integrated capability for monitoring temperature and relative humidity and shall provide two ports for external sensor cords.

DESIGN CONSIDERATIONS

- LED display(s) indicates aggregate (cumulative) load applied to the input AC circuit
- Hardware for button mounting included, and brackets for mounting to EIA cabinet rails or racks sold separately (PDURK-RMK)
- For special mounting requirements, contact Leviton Tech Support
- All 30A and higher PDUs include a hardwired power input cord
- Modular power cords are required for 20A PDUs and are sold separately
- Product is designed and tested for use in North America (USA and Canada)

STANDARDS COMPLIANCE

- cTUVus
- UL 60950:2003
- CAN/CSA 22.2 No. 60950-1-03
- EN60950-1:2001

COUNTRY OF ORIGIN

See page four

WARRANTY INFORMATION

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

SV161-1D1, SV241-1D1, SV242-1C2, SV243-1XX

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PRODUCT SPECIFICATIONS
SV161-1D1, SV241-1D1, SV242-1C2, SV243-1xx

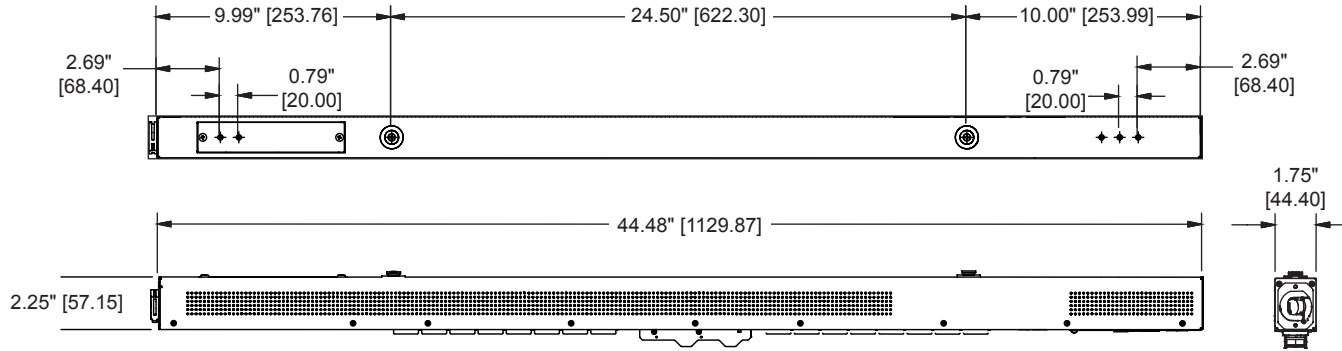


ELECTRONIC FILES

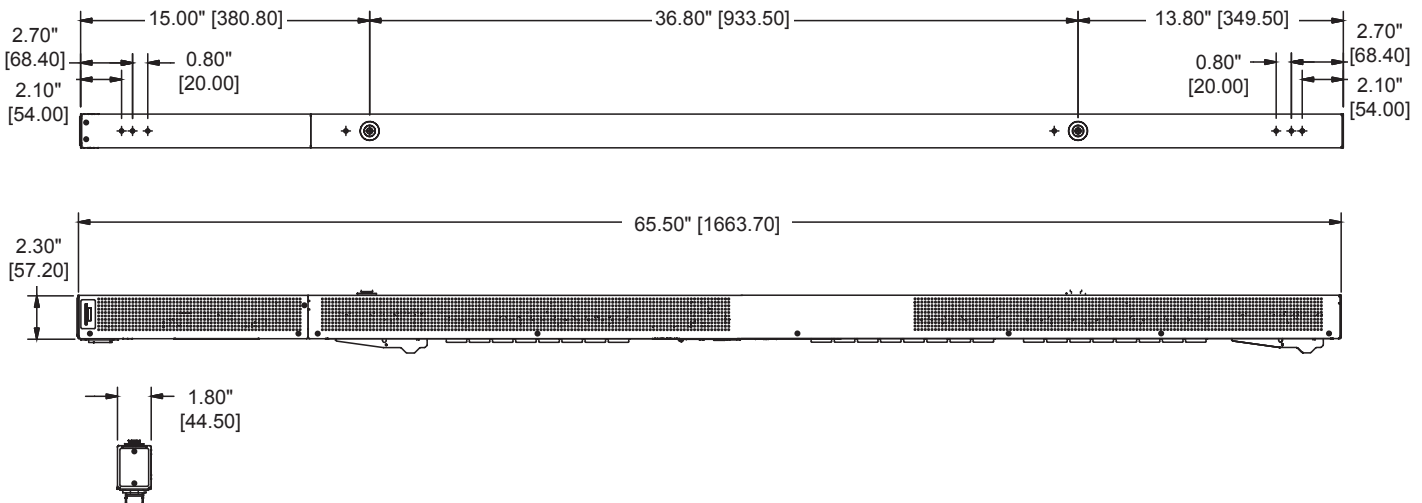
For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

inches [mm]

SV161-1D1



SV241-1D1



SV161-1D1, SV241-1D1, SV242-1C2, SV243-1xx

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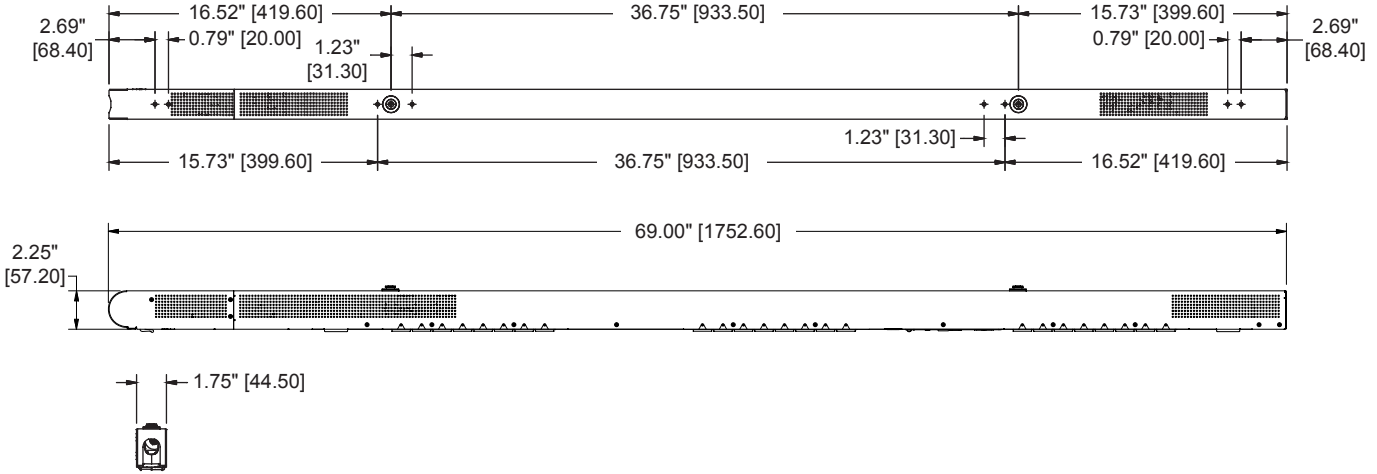
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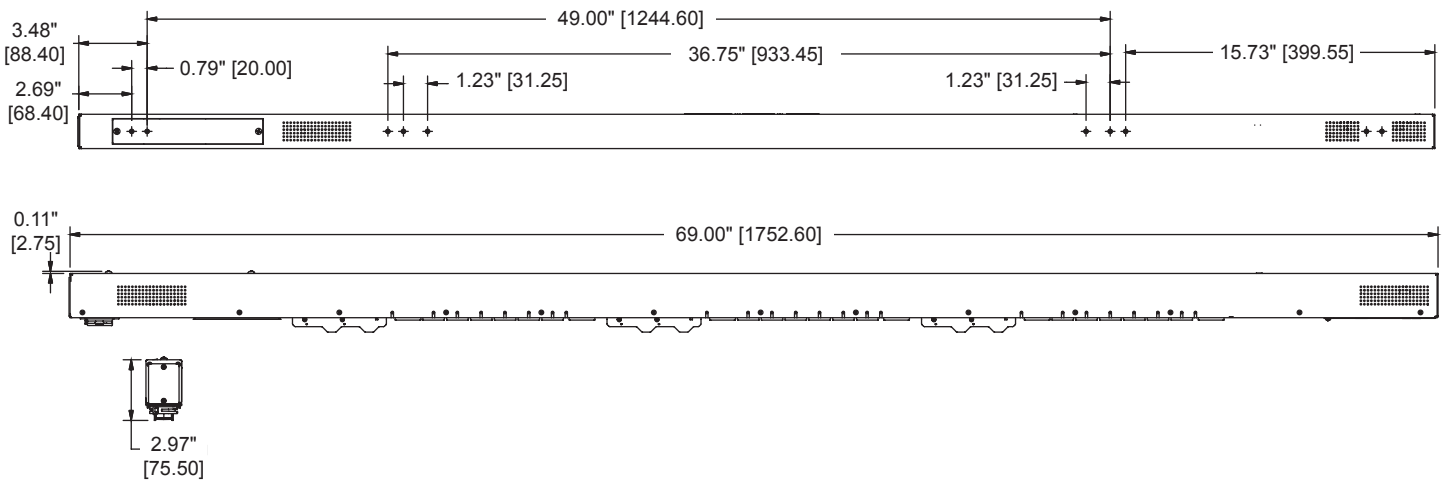
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inches [mm]

SV242-1C2



SV243-1xx



SV161-1D1, SV241-1D1, SV242-1C2, SV243-1XX

ENVIRONMENTAL SPECIFICATIONS AND COUNTRY OF ORIGIN

| Part No. | Operating Temperature | Non-Operating Temperature | Relative Humidity | Country of Origin |
|-----------|--------------------------------|-----------------------------------|-----------------------------|-------------------|
| SV161-1D1 | 0° to 50° C (32° to 122° F) | -40° to 85° C (-40° to 185° F) | 8 to 90% non-condensing | China |
| SV241-1D1 | 0° to 50° C (32° to 122° F) | -40° to 85° C (-40° to 185° F) | 8 to 90% non-condensing | China |
| SV242-1C2 | 0° to 40° C (32° to 104° F) | -40° to 85° C (-40° to 185° F) | 10 to 90% non-condensing | Multiple |
| SV243-1F3 | 0° to 50° C (32° to 122° F) | -40° to 85° C (-40° to 185° F) | 8 to 90% non-condensing | China |
| SV243-1H4 | 0° to 50° C (32° to 122° F) | -40° to 85° C (-40° to 185° F) | 8 to 90% non-condensing | China |
| SV243-1J4 | 0° to 60° C (32° to 140° F) | -40° to 85° C (-40° to 185° F) | 8 to 90% non-condensing | Korea |
| SV243-1K4 | 0° to 60° C (32° to 140° F) | -40° to 85° C (-40° to 185° F) | 8 to 90% non-condensing | Korea |
| SV243-1L4 | 0° to 60° C (32° to 140° F) | -40° to 85° C (-40° to 185° F) | 8 to 90% non-condensing | Korea |

PROPERTIES

| Part Number | INPUT | | | OUTPUT | | | | Dimensions L x W x D |
|-------------|--------------|-------------------|---------|---------|----------------|------------------------------|------------------|-------------------------|
| | Plug Type | Voltage | Current | Power | Voltage | Receptacle Qty & Type | Protection | |
| SV161-1D1 | Modular Cord | 120V Single | 20A | 2.4 kW | 120V | (16) 5-20R | Fuses | 44.5" x 1.75" x 2.25" |
| SV241-1D1 | Modular Cord | 120V Single | 20A | 2.4 kW | 120V | (24) 5-20R | Fuses | 65.5" x 1.75" x 2.25" |
| SV242-1C2 | L6-30P | 208V Single | 30A | 6.3 kW | 208V | (24) C13 | Circuit Breakers | 69.0" x 1.75" x 2.25" |
| SV243-1F3 | L21-30P | 208V 3PH WYE | 30A | 10.8 kW | 208V & 120V | (18) C13; (6) C19; (1) 5-20R | Circuit Breakers | 69.0" x 1.75" x 2.25" |
| SV243-1H4 | L15-30P | 208V 3PH Delta | 30A | 10.8 kW | 208V | (18) C13; (6) C19 | Circuit Breakers | 69.0" x 1.75" x 2.25" |
| SV243-1J4 | CS8365C | 208V 3PH Delta | 50A | 18.0 kW | 208V | (18) C13; (6) C19 | Circuit Breakers | 70.0" x 1.75" x 3.50" |
| SV243-1K4 | 460P9 | 208V 3PH Delta | 60A | 21.6 kW | 208V | (18) C13; (6) C19 | Circuit Breakers | 70.0" x 1.75" x 3.50" |
| SV243-1L4 | 560P9 | 208V 3PH WYE | 60A | 21.6 kW | 208V | (18) C13; (6) C19 | Circuit Breakers | 70.0" x 1.75" x 3.50" |

PART NUMBERS

| Description | Part No. |
|--|-----------|
| Modular Power Cord, C19 to 5-15P, 10ft | PCORD-S51 |
| Modular Power Cord, C19 to 5-20P, 10ft | PCORD-S52 |
| Modular Power Cord, C19 to L5-20P, 10ft | PCORD-L52 |
| Rack Mounting Kit for Vertical Switched & Metered PDUs | PDURK-RMK |
| Temperature & Relative Humidity Probe, 10ft | TCORD-010 |

