

# Sentry Switched CDU

## Key Features

- > **High Density:** Single-power input feed; 24 outlets per enclosure (Qty 18 IEC C13 & qty 6 IEC C19 outlets)
- > **High Power Distribution:** 3-Phase, Wye, 240V/415V power option; 20A and 30A input feed options deliver power up to 21.6kW.
- > **Remote Power Management:** Power cycle individual power outlets, or groups of power outlets, to remotely reboot servers and network devices, anywhere in the world. Or, power-off unused power receptacles
- > **IP Access & Security:** Web interface, SSL, SSH, Telnet, SNMP, FTP, SNMP, Syslog, LDAP, LDAPS, TACACS and RS-232 access
- > **SNMP Traps and Email alerts:** Provide automated alerts for power and environmental conditions
- > **Environmental Monitoring:** Each Switched CDU supports two external temperature & humidity probes and reports conditions through the user interface without the need for additional IP addresses
- > **Add an Expansion Module:** Daisy chain the Switched CDU Expansion Module (CW/CX) for power monitoring of separate power circuits from a single IP address

## CW-24V5 Mixed Outlet 240V/415V

### High-Density Power Distribution

The Switched CDU combines remote configuration and management with power distribution and power and environmental monitoring. Reboot a single or dual-power server with one command. Receive SNMP or email-based alerts when power or environmental conditions exceed thresholds. Assign user specific access rights to designated outlets or groups.

415 V 3-Phase power distribution to the rack level is fairly new technology in North American Data Centers. Increased power demand, higher power costs and reduced power availability are driving technologies like this that increase the efficiency within the Data Center. By bringing single phase 240 V power directly to the devices in the cabinet there is a sizable efficiency gain both in the power distribution system and in device itself. If you require further information you can reference our White Paper "**Deploying 415 VAC Power Distribution in North American Data Centers**" paper number STI-100-008 posted on our web site.

### Additional Benefits:



#### Branch Circuit Protection

The Sentry CDU Family meets the UL 60950-1 requirement for Branch Circuit Protections

- > UL-489 rated circuit breakers



#### PIPS - Per Input Power Sensing

Accurately measures Active Power, Apparent Power, Energy k-Wh, Power Capacity, Reactance, and Power Capacity Used using the network interface. See the aggregate current draw, in Amps, locally using the onboard LED.



#### Temperature and Humidity

The Switched CDU supports two external 10ft (3m) probes. Each of these probes measure both temperature and humidity. Receive SNMP-based alerts or email notifications when conditions exceed defined thresholds.



#### Mixed Outlets

This Switched CDU combines both IEC 60320/C13 and IEC 60320/C19 switched outlets within a single CDU. For rebooting non-responsive servers & network devices.



| Model                           | Available Input Voltages            | Amperage | Available Input Cord                                 | Outlets                                 | Dimensions (L x W x D)                         |
|---------------------------------|-------------------------------------|----------|--|---|--|
| CW-24V53415A1<br>CX-24V53415A1* | 3-Phase, Wye, 240V/415 V<br>50/60Hz | 20A      | IEC Red 6hr 3P+N+G Plug,<br>10'(3m), Bottom/Frt Cord | (18) IEC 60320/C13<br>(6) IEC 60320/C19 | 69.0 x 1.75 x 3.5 in.<br>(1753 x 44.4 x 89 mm) |
| CW-24V54415A1<br>CX-24V54415A1* | 3-Phase, Wye, 240V/415 V<br>50/60Hz | 30A      | IEC Red 6hr 3P+N+G Plug,<br>10'(3m), Bottom/Frt Cord | (18) IEC 60320/C13<br>(6) IEC 60320/C19 | 69.0 x 1.75 x 3.5 in.<br>(1753 x 44.4 x 89 mm) |
| CW-24V5Z415A1<br>CX-24V5Z415A1* | 3-Phase, Wye, 240V/415 V<br>50/60Hz | 30A      | NEMA L22-30P Plug,<br>10'(3m), Bottom/Frt Cord       | (18) IEC 60320/C13<br>(6) IEC 60320/C19 | 69.0 x 1.75 x 3.5 in.<br>(1753 x 44.4 x 89 mm) |

\* CX part numbers refer to the Expansion CDU

## Additional Features and Specifications

### Agency Approvals

- > US & Canada (cTUVus mark) to UL 60950-1:2003 and CAN/CSA 22.2 No. 60950-1-03
- > FCC Class A, Part 15
- > EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A

### Communications and Security

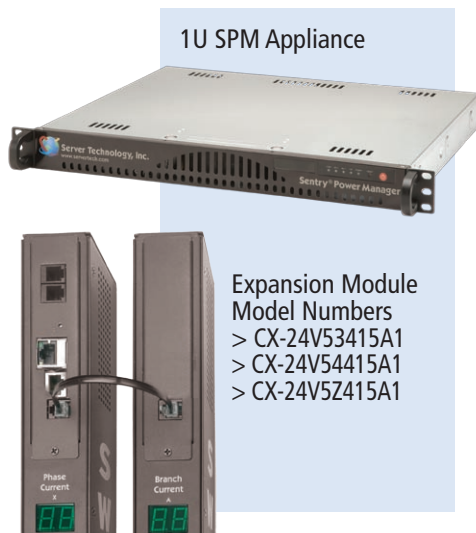
- > 10/100 BaseT Ethernet
- > HTTP/HTTPS
- > SSLv3/TLSv1
- > SNMPv2
- > SSHv2
- > Telnet
- > LDAPv3
- > LDAPS
- > TACACS+
- > RADIUS
- > RS-232 (Serial)

### Branch Circuit Protection

- > Compliant to UL 60950-1

### Accessories

- > Optional Temperature & Humidity Probe
  - EMTH-1-1 Temperature & Humidity Probe, 10ft (3m)
- > Environmental Monitor
  - EMCU-1-1B allows up to (2) additional temperature & humidity probes, (1) water sensor, (4) dry contact closures, (1) analog-to-digital contact sensor. Includes (1) temperature/humidity probe with unit.
- > SPM (Sentry Power Manager) Appliance:
  - Monitor and Manage multiple Sentry CDU's
  - Monitor and Manage all alarm conditions
  - Reporting and Trending
  - Group or Cluster outlets for reboot and power information



1U SPM Appliance

Expansion Module  
Model Numbers  
> CX-24V53415A1  
> CX-24V54415A1  
> CX-24V5Z415A1



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