

# Sentry Switched CDU

## CWG-24V1 120V Switched POPS<sup>™</sup> CDU with PIPS

### High-Density Power Distribution

The Switched CDU combines network configuration and management with power distribution, environmental monitoring and the ability to provide power monitoring per an individual outlet/device. Power information per outlet includes current, voltage, power (kW), apparent power (VA), crest factor and power factor. 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.

This Switched CDU has middle entry for network, serial & environmental connections combined with a bottom power cord entry. Current monitors are easily inverted via the web GUI or serial interface. This provides flexibility when connecting Switched CDU's to overhead power or busways.

### Additional Benefits:



#### POPS<sup>™</sup> (Per Outlet Power Sensing)

Monitor Current Load (A), Voltage (V), Power (W), Apparent Power (VA), Crest Factor and Power Factor per outlet at an accuracy of  $\pm 2\%$ .



#### 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.



#### Linking for Smart CDU (Expansion Modules)

The Smart CDU family now has the capability to daisy chain units together. The Expansion Module provides the ability to link two power circuits under one IP address.

## Key Features

- > **High Density:** Single-power input feed; 24 outlets per enclosure (24 NEMA 5-20R)
- > **Power Distribution:**  
100-120V, 20A or 30A
- > **Input Current Monitor:**  
Precisely measure the aggregate current draw (in amps) of the circuit. On-site verification of the input current with LED digital display. Remote verification via web browser or serial screen.
- > **Network 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, SNTp, Syslog, LDAP, LDAPS, TACACS, RADIUS, 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 thru the user interface without the need for additional IP addresses
- > **Add an Expansion Module:** Daisy chain the Switched CDU Expansion Module (CXG) for power monitoring of separate power circuits from a single IP address



Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CWG-24V1A425 CXG-24V1A425*	100-120V 50/60Hz	20A	IEC C20 Inlet, Bottom/Frt Entry	(24) NEMA 5-20R	64.0 x 1.75 x 3.50 in. (1625 x 44 x 89 mm)
CWG-24V1B425 CXG-24V1B425*	100-120V 50/60Hz	30A	NEMA L5-30P Plug, 10'(3m), Bottom/Frt Cord	(24) NEMA 5-20R	64.0 x 1.75 x 3.50 in. (1625 x 44 x 89 mm)

\* CXG part numbers refer to the Expansion CDU

## Additional Features and Specifications

### Agency Approvals

- > US & Canada (cTUVus mark) to UL 60950-1:2007 and CAN/CSA 22.2 No. 60950-1-07
- > 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 and v3
- > SSHv2
- > Telnet
- > LDAPS/LDAPv3
- > TACACS+
- > RADIUS
- > RS-232 (Serial)
- > IPv4 & IPv6

### Power Cord Options

- > PTCORD-5 IEC 60320/C19 - 5-15P (15A Straight-Blade) 10'(3m)
- > PTCORD-6 IEC 60320/C19 - 5-20P (20A Straight-Blade) 10'(3m)
- > PTCORD-7 IEC 60320/C19 - L5-20P (20A Twist-Lock) 10'(3m)

### Branch Circuit Protection

- > Compliant to UL 60950-1

### Accessories

- > Optional Temperature & Humidity Probe
  - EMTH-1-1 Temperature & Humidity Probe, 10 ft (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):
  - 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
  - Optional Appliance or virtual version
  - SPM v5.1+ is VMware READY



VMware and VMware Ready is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions

1U SPM Appliance



Expansion Module

- Model Numbers
- > CXG-24V1A425
  - > CXG-24V1B425



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