

# Sentry Switched CDU™

## CWG-8H1 Switched PIPS/POPS™ 120V with Circuit Breakers

### Key Features

- > **Medium Density:** Single power input feed; (8) NEMA 5-20R outlets per 1U enclosure
- > **High Power Distribution:** 120V, 20A and 30A power input feed options
- > **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
- > **Input Current Monitor:** Precisely measure the aggregate current draw (in amps) on each power circuit. On-site verification of the input current with the LED digital display. Remote verification via browser or serial screen.
- > **IP Access & Security:** Web interface, SSL, SSH, Telnet, SNMP, FTP, SNT, Syslog, LDAP, LDAPS, RADIUS, TACACS, RS-232 access
- > **Traps & Alerts:** Provide automated SNMP-based alarms and email alerts for power and environmental conditions
- > **Environmental Monitoring:** Each Switched CDU supports two temperature & humidity probes and reports conditions thru the Web interface
- > **Add an Expansion Module:** Connect the Switched Expansion CDU (CXG) to a Master unit (CWG) for power management of separate power circuits from a single IP address
- > **Power-up Sequencing:** Prevent an in-rush power overload



### High-Density Power Distribution

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

Sentry POPS (Per Outlet Power Sensing) combined with PIPS (Per Inlet Power Sensing) provide full monitoring capabilities for both the power into the cabinet as well as the individual devices controlled through the CDU.

### Additional Benefits:



#### POPS (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  $\pm 2\%$ .



#### 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 probes. Each of these probes measure both temperature and humidity. Receive SNMP-based alert notifications when conditions exceed defined thresholds.



#### Branch Circuit Protection

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

- > UL-489 rated circuit breakers

Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CWG-8H1A413 CXG-8H1A413*	100-120V 50/60Hz	20A	IEC 60320/C20 Power Inlet	(8) NEMA 5-20R	1.75 x 17.2 x 7.0 in. (44 x 437 x 178 mm)
CWG-8H1B413 CXG-8H1B413*	100-120V 50/60Hz	30A	NEMA L5-30P Plug 10 ft (3m) Cord	(8) NEMA 5-20R	1.75 x 17.2 x 7.0 in. (44 x 437 x 178 mm)

\*CXG refers to the Expansion

## 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

### Power Cord Options

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



Rear View: Linking port and circuit breakers

1U SPM Appliance



Expansion Module  
Model Numbers  
> CXG-8H1A413  
> CXG-8H1B413



## Server Technology

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