Sentry Switched CDU™

Key Features

> **Mid-Density:** Single-power input feed; 16 outlets per enclosure (Qty 12 IEC C13 & qty 4 IEC C19 outlets)

> **Power Distribution:**
208-240V or 230V; 20A, 30A, 16A, and 32A power input feed options.

> **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

CWG-16V2/VE Switched POPS™ CDU with Mixed Outlets & PIPS

Mid-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 top 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™ (Per Outlet Power Sensing)
Monitor power at the outlet-level with 99% accuracy (+/- 1% error).

Fuse Retractors for Branch Circuit Protection
These tool-less retractors pull out for easy access and replacement of fuses. The Sentry CDU Family meets the UL 60950-1 requirement for branch circuit protection.

Attention! The Sentry CDU products meet the above criteria by providing overcurrent protection with UL-listed Bussman SC fuses for each branch circuit.

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)
CWG-16V2A317A1 CXG-16V2A317A11*	208-240V 50/60Hz	20A	IEC C20 Inlet, Bottom Entry	(12) IEC 60320/C13 (4) IEC 60320/C19	49.4 x 1.75 x 3.50 in. (1256 x 44 x 89 mm)
CWG-16V2C317A1 CXG-16V2C317A1*	208-240V 50/60Hz	30A	NEMA L6-30P Plug, 10'(3m), Bottom Cord	(12) IEC 60320/C13 (4) IEC 60320/C19	49.4 x 1.75 x 3.50 in. (1256 x 44 x 89 mm)
CWG-16VEA317A1 CXG-16VEA317A1*	230V 50/60Hz	16A	IEC C20 Inlet, Bottom Entry	(12) IEC 60320/C13 (4) IEC 60320/C19	49.4 x 1.75 x 3.50 in. (1256 x 44 x 89 mm)
CWG-16VEK317A1 CXG-16VEK317A1*	230V 50/60Hz	32A	IEC Blue 2P+G Plug, 10'(3m), Bottom Cord	(12) IEC 60320/C13 (4) IEC 60320/C19	49.4 x 1.75 x 3.50 in. (1256 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 60950-1:2003 and CAN/CSA 22.2 No. 60950-1-03
> European Union (TUVGS mark) to EN 60950-1:2001
> FCC Class A, Part 15
> CE
> 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
> LDAPS/LDAPv3
> TACACS+
> RADIUS
> RS-232 (Serial)

Branch Circuit Protection
> Compliant to UL 60950-1

Accessories
> Optional Temperature & Humidity Probe
  - EMTH-1-1 Temperature & Humidity Probe, 10 ft (3m)

> 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

> 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.

Power Cord Options (for units with C20 power inlets)
> PTCORD-1   IEC 60320/C19 - NEMA L6-20P , 10 ft (3m)
> PTCORD-2   IEC 60320/C19 - Schuko 10 ft (3m)
> PTCORD-3   IEC 60320/C19 - IEC 60309 (BS4343, CEE17) 16/20A Blue (UK Commando) 10 ft (3m)
> PTCORD-4   IEC 60320/C19 - BS1363 13A (UK) 10 ft (3m)
> PTCORD-5   IEC 60320/C19 - 5-15P (15A Straight-Blade) 10 ft (3m)
> PTCORD-6   IEC 60320/C19 - 5-20P (20A Straight-Blade) 10 ft (3m)
> PTCORD-7   IEC 60320/C19 - L5-20P (20A Twist-Lock) 10 ft (3m)

1U SPM Appliance

Expansion Module Model Numbers
> CXG-16V2A317A1
> CXG-16V2C317A1
> CXG-16VEA317A1
> CXG-16VEK317A1

Server Technology