

# 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, SNT, 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



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