Sentry Switched CDU

CWG-24VD/Y Switched POPS™ CDU with Mixed Outlets

Key Features

> **High Density:** Single-power input feed; 24 outlets per enclosure (Qt 18 IEC C13 & qty 6 IEC C19 outlets)
> **High Power Distribution:** 208V 3-phase 50 and 60 amp input feed options
> **Input Current Monitor:** Precisely measure the aggregate current draw (in amps) on each phase. On-site verification of the input current with LED digital display. Remote verification via web browser or serial screen.
> **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, SFTP, 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:** Connect the Switched Expansion CDU (CXG) to a Master unit (CWG) for power management of separate power circuits from a single IP address

**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 top power cord entry. This provides the ultimate flexibility when connecting Switched CDU’s to overhead power or busways. Current monitors are easily inverted via the web GUI or serial interface.

**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 ±2%.

**Branch Circuit Protection**
The Sentry CDU Family meets the UL 60950-1 requirement for Branch Circuit Protections
> UL-489 rated circuit breakers

**Input Current Monitoring**
Exclusive Digital True RMS current monitoring is critical to preventing overloads in high-density computing environments. LED digital displays on the CDU enclosure report the input current of each phase or branch circuit for simple load balancing

**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.
Key Features

- Add an Expansion Module:
  - SNMP Traps and Email alerts:
- Remote Power Management:
- Input Current Monitor:
- High Power Distribution:
- High Density:
- IP Access & Security:
  - (CWG) for power management of CDU (CXG) to a Master unit
  - Connect the Switched Expansion addresses thru the user interface without probes and reports conditions external temperature & humidity
  - Each Switched CDU supports two conditions (power and environmental)
  - Provide automated alerts for access
    - TACACS, RADIUS, and RS-232
    - FTP, SNTP, Syslog, LDAP, LDAPS, interface, SSL, SSH, Telnet, SNMP, receptacles anywhere in the world. Or,
  - outlets, to remotely reboot Power cycle individual power web browser or serial screen.
    - display. Remote verification via input current with LED digital phase. On-site verification of the current draw (in amps) on each

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### 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
- CE
- EMC to EN 55022 Class A, EN 55024

#### Communications and Security
- 10/100 BaseT Ethernet
- HTTP/HTTPS
- SSLv3/TL Sv1
- 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.

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<table>
<thead>
<tr>
<th>Model</th>
<th>Available Input Voltages</th>
<th>Amperage</th>
<th>Available Input Cord</th>
<th>Outlets</th>
<th>Dimensions (L x W x D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWG-24VDV454A1 CXG-24VDV454A1*</td>
<td>240V, 3-phase Delta 50/60 Hz</td>
<td>50A</td>
<td>CS8365C Cord Set, 10ft (3 m)</td>
<td>(18)</td>
<td>70.0 x 1.75 x 3.50 in. (1778 x 44 x 89 mm)</td>
</tr>
<tr>
<td>CWG-24VDX454A1 CXG-24VDX454A1*</td>
<td>240V, 3-phase Delta 50/60Hz</td>
<td>60A</td>
<td>IEC 60309 Cord set, 10ft (3 m)</td>
<td>(18)</td>
<td>70.0 x 1.75 x 3.50 in. (1778 x 44 x 89 mm)</td>
</tr>
<tr>
<td>CWG-24VYY454A1 CXG-24VYY454A1*</td>
<td>208V, 3-phase Wye 50/60 Hz</td>
<td>60A</td>
<td>IEC 60309 Cord set, 10ft (3 m)</td>
<td>(18)</td>
<td>70.0 x 1.75 x 3.50 in. (1778 x 44 x 89 mm)</td>
</tr>
</tbody>
</table>

* CXG part numbers refer to the Expansion CDU

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