

# Sentry Switched CDU

## CWG-24V4 Switched POPS™ CDU with 12x C13 and 12 IEC C19 Outlets

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 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.



#### 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

- > **High Density:** Single-power input feed; 24 outlets per enclosure (Qty 12 IEC C13 & 12 IEC C19 outlets)
- > **Power Distribution:**  
230/400V 3-Phase, 16/32A power input feed option with 230V output.
- > **Input Current Monitor:**  
Precisely measure the aggregate current draw (in amps) of each phase of the circuit. On-site verification of the input current with LED digital display. Remote verification via web browser or serial screen.
- > **Networked 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

| Model                             | Available Input Voltages         | Amperage | Available Input Cord                                | Outlets                                  | Dimensions (L x W x D)                            |
|-----------------------------------|----------------------------------|----------|---|--|---|
| CWG-24V4J458A9<br>CXG-24V4J458A9* | 230/400V 3-Phase Wye,<br>50/60Hz | 16A      | IEC Red 6hr 3P+N+G Plug,<br>10'(3m), Top Cord Entry | (12) IEC 60320/C13<br>(12) IEC 60320/C19 | 1753 x 44.4 x 88.9 mm<br>[69.0 x 1.75 x 3.50 in.] |
| CWG-24V4K458A9<br>CXG-24V4K458A9* | 230/400V 3-Phase Wye,<br>50/60Hz | 32A      | IEC Red 6hr 3P+N+G Plug,<br>10'(3m), Top Cord Entry | (12) IEC 60320/C13<br>(12) IEC 60320/C19 | 1753 x 44.4 x 88.9 mm<br>[69.0 x 1.75 x 3.50 in.] |

\* CXG part numbers refer to the Expansion CDU

## Additional Features and Specifications

### Agency Approvals

- > 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.

1U SPM Appliance



Expansion Module  
Model Numbers

- > CXG-24V4J458A9
- > CXG-24V4K458A9



## Server Technology

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