Sentry Switched CDU

CWG-24V5 Switched PIPS®and POPS®CDU with 24 IEC C13 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.

Key Features

> High Density: Single-power input feed; 24 IEC C13 outlets per unit.

> Power Distribution:

  240/415V 3-Phase Wye, 20/30A power input feed options with 240V 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, 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:Connect the Switched Expansion CDU (CXG) to a Master unit (CWG) for power management of separate power circuits from a single IP address

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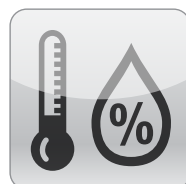
Branch Circuit Protection
The Sentry CDU Family meets the UL 60950-1 requirement for Branch Circuit Protections
> UL-489 rated circuit breakers

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.

Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CWG-24V53458 CXG-24V53458*	240/415V 3-phase Wye, 50/60Hz	20A	IEC Red 6hr 3P+N+G Plug, 10'(3m) Top Cord Entry	(24) IEC 60320/C13	1753 x 44 x 89 mm (69.0 x 1.75 x 3.50 in.)
CWG-24V54458 CXG-24V54458*	240/415V 3-phase Wye, 50/60Hz	30A	IEC Red 6hr 3P+N+G Plug, 10'(3m) Top Cord Entry	(24) IEC 60320/C13	1753 x 44 x 89 mm (69.0 x 1.75 x 3.50 in.)
CWG-24V52458 CXG-24V52458*	240/415V 3-phase Wye, 50/60Hz	20A	NEMA L22-20P 10'(3m) Top Cord Entry	(24) IEC 60320/C13	1753 x 44 x 89 mm (69.0 x 1.75 x 3.50 in.)
CWG-24V5Z458 CXG-24V5Z458*	240/415V 3-phase Wye, 50/60Hz	30A	NEMA L22-30P 10'(3m) Top Cord Entry	(24) IEC 60320/C13	1753 x 44 x 89 mm (69.0 x 1.75 x 3.50 in.)

*   CXG part numbers refer to the Expansion CDU

Additional Features and Specifications

Agency Approvals
> US & Canada (cTUVus Mark) to UL 60950-1: 2007 and CAN/CSA 22.2 No. 60950-1-07
> 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 and v3
> SSHv2
> Telnet
> LDAPS/LDAPv3
> TACACS+
> RADIUS
> RS-232 (Serial)
> IPv4 and v6

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-24V52458
> CXG-24V53458
> CXG-24V54458
> CXG-24V5Z2458

Server Technology