

Sentry Smart CDU

CS-4HD/HY with 3-Phase NEMA Locking Outlets

Key Features

- > **High Density:** Single power input feed, 4 each NEMA L15-30R Outlets
- > **High Power Distribution:** 208V 3-Phase 50 and 60 amp single 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 the LED digital display. Remote verification via browser or serial screen.
- > **IP Access & Security:** Web interface, SSL, SSH, Telnet, SNMP, FTP, SNT, Syslog, LDAP, LDAPS, RADIUS, TACACS, RS-232 access
- > **Traps & Alerts:** Provide automated SNMP-based alarms and email alerts for power and environmental conditions
- > **Environmental Monitoring:** Each Smart CDU supports two temperature & humidity probes and reports conditions thru the Web interface
- > **Add an Expansion Module:** Connect the Smart Expansion CDU (CL) to a Master unit (CS) for power monitoring of separate power circuits from a single IP address



High-Density Power Distribution

The Sentry CS-4HD/HY products provide a NEMA locking outlet solution for high density applications found in data center cabinets. Smart Cabinet Distribution Units (CDU) provide reliable 3-phase power distribution combined with local and remote power monitoring and environmental monitoring via IP. Use the network interface to view power, temperature, and humidity levels via Web browser, or receive SNMP-based alarms and email alerts when conditions exceed defined thresholds.

The Smart CDU family has the capability to daisy chain units together. The expansion CDU Module give the ability to use one IP address across different power circuits.

Additional Benefits:



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 display on the CDU enclosure report the input current of the branch circuit.



Temperature and Humidity

The Smart CDU supports two external probes. Each of these probes measure both temperature and humidity. Receive SNMP-based alert notifications when conditions exceed defined thresholds.



Linking (Expansion Modules)

The Smart CDU family has the capability to daisy chain units together. The Expansion Module provides the ability to link two power circuits under one IP address.

Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CS-4HDX452B6 CL-4HDX452B6*	240V 3-Phase Delta, 50/60 Hz	60A	IEC 60309 Cordset, 10 ft (3m)	(4) NEMA L15-30R	3.50 x 17.00 x 10.00 in. (89 x 432 x 254mm)
CS-4HDV452B6 CL-4HDV452B6*	240V 3-Phase Delta, 50/60 Hz	50A	CS8365C Cordset, 10 ft (3m)	(4) NEMA L15-30R	3.50 x 17.00 x 10.00 in. (89 x 432 x 254mm)
CS-4HYY452B6 CL-4HYY452B6*	208V 3-Phase Wye, 50/60 Hz	60A	IEC 60309 Cordset, 10 ft (3m)	(4) NEMA L15-30R	3.50 x 17.00 x 10.00 in. (89 x 432 x 254mm)

*CL refers to the Expansion Module

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
- > EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A

Communications and Security

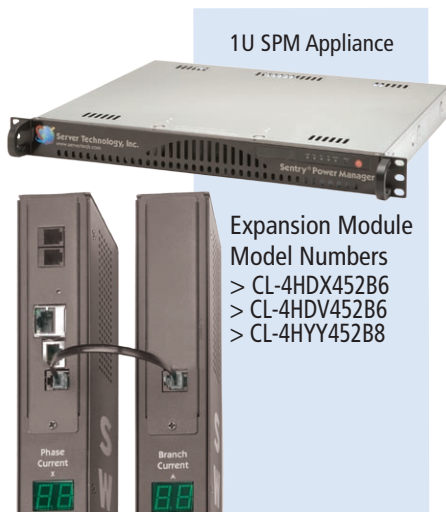
- > 10/100 BaseT Ethernet
- > HTTP/HTTPS
- > SSLv3/TLSv1
- > SNMPv2
- > SSHv2
- > Telnet
- > LDAPv3
- > LDAPS
- > TACACS+
- > RADIUS
- > RS-232 (Serial)

Branch Circuit Protection

- > Compliant to UL 60950-1

Accessories

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



1U SPM Appliance

Expansion Module
Model Numbers

- > CL-4HDX452B6
- > CL-4HDV452B6
- > CL-4HYY452B8



Rear View: breakers, network, serial, linking and temperature/humidity inputs



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