

Sentry Smart CDU

CS-48VD/VY with C13 and C19 outlets

High Density Power Distribution

The Smart Cabinet Distribution Units (CDU) provide reliable 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 gives the ability to use one IP address across different power circuits.

Additional Benefits:



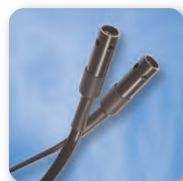
Branch Circuit Protection

The Sentry CDU Family meets the new UL 60950-1 requirement for branch circuit protection.
- UL 489 rated circuit breakers



PIPS - Per Input Power Sensing

Accurately measures Active Power, Apparent Power, Energy k-Wh, Power Capacity, and Power Capacity Used using the network interface. See the aggregate current draw, in Amps, locally using the onboard LEDs.



Temperature and Humidity

The Smart CDU supports two external 10' (3m) probes. Each of these probes measure both temperature and humidity. Receive SNMP-based alerts or email notifications when conditions exceed defined thresholds.



Linking for Smart CDU (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.



Key Features

- > High Density: Single-power input feed; 48 outlets per enclosure (Quantity 36 IEC 60320 C13 and 12 C19 outlets)
- > High Power Distribution: Three phase 208-240V power options; 50 and 60 Amp power input feed
- > PIPS Input Power Monitoring: Precisely measure the aggregate current draw (in amps) on each input power phase. On-site verification of the input current with the LED digital display. Remote verification via web browser or serial screen.
- > IP Access & Security: Web interface, SSL, SSH, Telnet, SNMP, FTP, SNTp, Syslog, LDAP, LDAPS, RADIUS, TACACS and RS-232 access
- > SNMP Traps & Alerts: Provide automated SNMP-based alarms or Email alerts for power and environmental conditions
- > Environmental Monitoring: Each Smart 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 Smart Expansion CDU (CL) to a Master unit (CS) 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)
CS-48VDX458A1 CL-48VDX458A1*	208V, 3-phase Delta, 50/60Hz	60A	IEC 60309 60A Cord Set, 10ft (3m)	(36) IEC 60320/C13 (12) IEC 60320/C19	69.0 x 3.50 x 3.50 in. (1752 x 89 x 89 mm)
CS-48VDV458A1 CL-48VDV458A1*	208V, 3-phase Delta, 50/60Hz	50A	CS8365C, 50A Cord Set, 10ft (3m)	(36) IEC 60320/C13 (12) IEC 60320/C19	69.0 x 3.50 x 3.50 in. (1752 x 89 x 89 mm)
CS-48VYY458A1 CL-48VYY458A1*	208V, 3-phase Wye, 50/60Hz	60A	IEC 60309 60A Cord Set, 10ft (3m)	(36) IEC 60320/C13 (12) IEC 60320/C19	69.0 x 3.50 x 3.50 in. (1752 x 89 x 89 mm)

* CL 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
- > 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

- > CL-48VDX458A1
- > CL-48VDV458A1
- > CL-48VYY458A1



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