

# Sentry Smart CDU

## Key Features

- > **Mid and High Density:**  
Single-power input feed; 16 outlets per enclosure
- > **High Power Distribution:**  
200-240V, 20A and 30A; 230V, 16A and 32A power input feed options.
- > **Input Current Monitor:**  
Precisely measure the aggregate current draw (in amps) on each power circuit. 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, SNT, Syslog, LDAP, LDAPS, TACACS and RS-232 access
- > **SNMP Traps:** Provide automated 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 circuits from a single IP address

## CS-16V

### Mid and 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 now 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:



#### Fuse Retractors for Branch Circuit Protection

These tool-less retractors pull out for easy access and replacement of fuses. The Sentry CDU Family meets the UL 60950-1 requirement for branch circuit protection.

Attention! The Sentry CDU products meet the above criteria by providing overcurrent protection with UL-listed Bussman SC fuses for each branch circuit.



#### 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 10ft (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 now 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-16V2-C20M CL-16V2-C20M*	208-240V 50/60Hz	20A	IEC 60320/C20 Power Inlet	(16) IEC 60320/C13	49.5 x 1.75 x 2.25 in. (1257 x 44.4 x 57 mm)
CS-16V2-L30M CL-16V2-L30M*	208-240V 50/60Hz	30A	NEMA L6-30P Cordset, 10 ft (3m)	(16) IEC 60320/C13	49.5 x 1.75 x 2.25 in. (1257 x 44.4 x 57 mm)
CS-16VE-C20M CL-16VE-C20M*	230V 50/60Hz	16A	IEC 60320/C20 Power Inlet	(16) IEC 60320/C13	49.5 x 1.75 x 2.25 in. (1257 x 44.4 x 57 mm)
CS-16VE-P32M CL-16VE-P32M*	230V 50/60Hz	32A	IEC 60309 Cordset 10 ft (3m)	(16) IEC 60320/C13	49.5 x 1.75 x 2.25 in. (1257 x 44.4 x 57 mm)

\* CL part numbers refer to the Expansion CDU

\*\*Please note that the depths of these enclosures are 3.0" deep at the placement of the fuse retractors

## Additional Features and Specifications

### Agency Approvals

- > US & Canada (cTUVus Mark) to UL 60950-1: 2007 and CAN/CSA 22.2 No. 60950-1-07
- > European Union (TUVGS Mark) to EN 60950-1: 2006 + A11
- > 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 & v3
- > SSHv2
- > Telnet
- > LDAPS/LDAPv3
- > TACACS+
- > RADIUS
- > RS-232 (Serial)
- > IPv4 and IPv6

### Branch Circuit Protection

- > Compliant to UL 60950-1

### Power Cord Options (for units with C20 power inlets)

- > PTCORD-1 IEC 60320/C19 - NEMA L6-20P, 10 ft (3m)
- > PTCORD-2 IEC 60320/C19 - Schuko 10 ft (3m)
- > PTCORD-3 IEC 60320/C19 - IEC 60309 (BS4343, CEE17) 16/20A Blue (UK Commando) 10 ft (3m)
- > PTCORD-4 IEC 60320/C19 - BS1363 13A (UK) 10 ft (3m)

### 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):
  - 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
  - Optional Appliance or virtual version
  - SPM v5.1+ is VMware READY



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