

# Sentry Smart CDU

## CS-12HD/HY 208V 20/30A 3 Phase Mixed Outlets

### Key Features

- > **High Density:** Single Power Infeed, 2U horizontal mounting, with 6 each IEC C13 and 6 each IEC C19 outlets
- > **High Power Distribution:** 208V 3-Phase 20 and 30 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, SNTp, 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-12HD/HY products provide both C13 and C19 outlets to support a variety of rack mounted equipment. 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



#### 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 LED.



#### 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-12HDD444C8 CL-12HDD444C8*	240V 3-Phase Delta, 50/60 Hz	20A	NEMA L15-20P Cordset, 10ft (3m)	(6) IEC 60320/C13 (6) IEC 60320/C19	3.50 x 17.00 x 10.00 in. (89 x 432 x 254mm)
CS-12HDE444C8 CL-12HDE444C8*	240V 3-Phase Delta, 50/60 Hz	30A	NEMA L15-30P Cordset, 10ft (3m)	(6) IEC 60320/C13 (6) IEC 60320/C19	3.50 x 17.00 x 10.00 in. (89 x 432 x 254mm)
CS-12HYL444C8 CL-12HYL444C8*	208V 3-Phase Wye, 50/60 Hz	20A	NEMA L21-20P Cordset, 10ft (3m)	(6) IEC 60320/C13 (6) IEC 60320/C19	3.50 x 17.00 x 10.00 in. (89 x 432 x 254mm)
CS-12HYM444C8 CL-12HYM444C8*	208V 3-Phase Wye, 50/60 Hz	30A	NEMA L21-30P Cordset, 10ft (3m)	(6) IEC 60320/C13 (6) IEC 60320/C19	3.50 x 17.00 x 10.00 in. (89 x 432 x 254mm)

\*CL refers to the Expansion Module

\*\* Lacing bar adds 4 in. (102 mm) to depth when installed in rack

## 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



Rear View: breakers and power cord inlet



1U SPM Appliance

### Expansion Module Model Numbers

- > CL-12HDD444C8
- > CL-12HDE444C8
- > CL-12HYL444C8
- > CL-12HYM444C8



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