

Sentry Smart CDU

CS-12HD2/E Dual infeed 200-240V with PIPS

Key Features

- > **High Density:** Dual-Input Power Feeds, 2U horizontal mounting, with (12) IEC 60320 C19 Outlets
- > **High Power Distribution:** Two 208V 20A and 30A; 230V 16A and 32A input feed options
- > **Input Current Monitor:** PIPS technology precisely measures the power of each input feed. On-site verification of the input current with the LED display. Remote verification via browser or serial of all power parameters: voltage, current, power, VA, kW hr, power factor and crest factor.
- > **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-12HD2/E products provide C19 outlets to support a variety of rack mounted equipment. 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 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-12HD2G454A3 CL-12HD2G454A3*	208-240V 50/60Hz	20A	(2) NEMA L6-20P Plug, 10'(3m) Cords	(12) IEC 60320/C19	3.50 x 17.20 x 10.00 in. (89 x 437 x 254 mm)
CS-12HD2C454A3 CL-12HD2C454A3*	208-240V 50/60Hz	30A	(2) NEMA L6-30P Plug, 10'(3m) Cords	(12) IEC 60320/C19	3.50 x 17.20 x 10.00 in. (89 x 437 x 254 mm)
CS-12HDEJ454A3 CL-12HDEJ454A3*	230V 50/60Hz	16A	(2) IEC Blue 2P+G Plug, 10'(3m) Cords	(12) IEC 60320/C19	3.50 x 17.20 x 10.00 in. (89 x 437 x 254 mm)
CS-12HDEK454A3 CL-12HDEK454A3*	230V 50/60Hz	32A	(2) IEC Blue 2P+G Plug, 10'(3m) Cords	(12) IEC 60320/C19	3.50 x 17.20 x 10.00 in. (89 x 437 x 254 mm)

*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
- > European Union (TUVGS Mark) to EN 60950-1:2001
- > 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):
 - 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



Rear View: Network card and 20A circuit breakers



1U SPM Appliance

Expansion Module Model Numbers

- > CL-12HD2G454A3
- > CL-12HD2C454A3
- > CL-12HDEJ454A3
- > CL-12HDEK454A3



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