

# Sentry Smart CDU

## CS-24V4 230/400V, 63A (24) C19 outlets with PIPS

### High Density Power Distribution

The Smart Cabinet Power 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

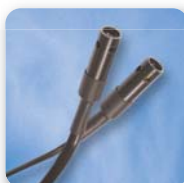
The Sentry CDU Family meets the UL 60950-1 requirement for Branch Circuit Protection

- > UL-489 rated circuit breakers
- > 10 KAIC Interrupt Capacity



#### 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 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.



#### Locking Receptacles

All C19 receptacles are fully compatible with Server Technology's locking power cords (supplied separately).

## Key Features

- > High Density: Single-Power input feed; (24) IEC C19 Outlets per enclosure.
- > High Power Distribution: 230V/400V Three-phase power; 63-Amp power input feed option. Delivers up to 43.5kW.
- > 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 web browser or serial screen.
- > IP Access & Security: Web interface, SSL, SSH, Telnet, SNMP, FTP, SNT, Syslog, LDAP, LDAPS, TACACS, RADIUS and RS-232 access
- > 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 through the user interface without the need for additional IP addresses
- > Add an Expansion Module: Connect the Switched 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-24V47458A3 CL-24V47458A3*	3-Phase Wye, 230/400V 50/60Hz	63A	IEC Red 6hr 3P+N+G Plug, 10'(3m), Top Cord Entry	(24) IEC 60320/C19	1905 x 44 x 89 mm (75.0 x 1.75 x 3.50 in.)

\* CL part numbers refer to the Expansion CDU

## Additional Features and Specifications

### Agency Approvals

- > European Union (TUVGS Mark) to EN 60950-1: 2006 + A11
- > FCC Class A, Part 15
- > CE Mark
- > EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A

### Communications and Security

- > 10/100 BaseT Ethernet
- > HTTP/HTTPS
- > SSLv3/TLSv1
- > SNMPv2 and v3
- > SSHv2
- > Telnet
- > LDAPv3
- > LDAPS
- > TACACS+
- > RADIUS
- > RS-232 (Serial)
- > IPv4 and v6

### 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



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1U SPM Appliance



Expansion Module  
Model Numbers  
> CL-24V47458A3



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