

# Sentry Smart CDU

## CS-24V4 with Mixed Outlets

### Key Features

- > **High Density:** Single-power input feed; 24 outlets, (Qty (18) IEC C13 & (6) IEC C19) per enclosure
- > **High Power Distribution:** 400V Three-phase power; 16 or 32-Amp power input feed options.
- > **Input Current Monitor:** Precisely measure the aggregate current draw (in amps) on each input 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
- > **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 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 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 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 True RMS current monitoring is critical to preventing overloads in high-density computing environments. LED digital displays on the CDU enclosure report the input current of each phase for simple load balancing.



#### 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 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**<br>(L x W x D)                     |
|---------------------------------|--------------------------------|----------|----------------------------------|---|---|
| CS-24V4-P16MA<br>CL-24V4-P16MA* | 3-phase, Wye, 400V<br>50/60 Hz | 16A      | IEC 60309<br>Cordset, 10 ft (3m) | (18) IEC 60320/C13<br>(6) IEC 60320/C19 | 69.0 x 1.75 x 2.25 in.<br>(1753 x 44.4 x 57 mm) |
| CS-24V4-P32MA<br>CL-24V4-P32MA* | 3-phase, Wye, 400V<br>50/60 Hz | 32A      | IEC 60309<br>Cordset, 10 ft (3m) | (18) IEC 60320/C13<br>(6) IEC 60320/C19 | 69.0 x 1.75 x 2.25 in.<br>(1753 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

- > European Union (TUVGS mark) to EN 60950-1:2001
- > FCC Class A, Part 15
- > CE
- > EMC - EN 55022 Class A, EN 55024

### Communications and Security

- > 10/100 BaseT Ethernet
- > HTTP/HTTPS
- > SSLv3/TLSv1
- > SNMPv2
- > SSHv2
- > Telnet
- > RADIUS
- > LDAPv3
- > LDAPS
- > TACACS+
- > 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-1-1 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-24V4-P16MA
- > CL-24V4-P32MA



## Server Technology

### HEADQUARTERS - NORTH AMERICA

Server Technology, Inc.  
1040 Sandhill Drive  
Reno, NV 89521  
United States  
1.775.284.2000 Tel  
1.775.284.2065 Fax  
sales@servertech.com  
www.servertech.com  
www.servertechblog.com

### EMEA

Server Technology Intl  
Sienna Court  
The Broadway  
Maidenhead  
Berkshire  
SL6 1NJ  
United Kingdom  
+44 (0) 1628 509053 Tel  
+44 (0) 1628 509100 Fax  
salesintl@servertech.com

### APAC

Server Technology Intl  
37th Floor, Singapore Land Tower  
50 Raffles Place  
Singapore 048623  
+65 (0) 6829 7008 Tel  
+65 (0) 6234 4574 Fax  
salesintl@servertech.com