



Server Technology

Solutions for the Data Center Equipment Cabinet

Sentry 4870-XLS-4

Intelligent-48 VDC Power Distribution, Remote Management, Power & Environmental Monitoring



Key Features:

- » **NEW! – SSHv2:** Secure Shell for secure remote terminal.
- » **NEW! – SSLv3:** Secure Sockets Layer-enabled HTTPS server.
- » **NEW! – Active Directory w/LDAPv3:** User authentication with LDAPv3.
- » **Remote Power Management:** Combine intelligent power distribution and remote power control into a single 2U 19" rack mount enclosure.
- » **Qty (2) 100-Amp Power Input Feeds:** support dual-power supply routers & networking gear.
- » **Qty (4) 70-Amp Outlets Circuits:** protected by TPC fuses – Always-on Architecture
- » **Variable Amperage:** Swap the fuse value of each outlet to change the amperage rating.
- » **Interchangeable Fuses:** Replace the fuse value to change the amp rating of each outlet circuit.
- » **TCP/IP Control:** to remotely Power On, Power Off or Reboot supported equipment via SSH, SSL, HTTP/HTTPS (HTML Web GUI), SNMP and Telnet.
- » **RS-232:** Local or remote configuration & control.
- » **PSTN:** Optional integrated secure global modem.
- » **Integrated Sensor Jacks:** for (2) Temperature and Humidity Probes.
- » **NEBS Compliant**

Sentry 4870-XLS-4

The Sentry™ 4870 XLS Intelligent PDU & Remote Power Manager minimizes the impact of locked-up routers, servers and other network devices on business-critical networks. CLECs, ILECs, ISPs and enterprises use the Sentry 4870 to manage equipment in remote sites, co-location facilities and network operations centers. Sentry 4870-XLS eliminates the need to dispatch a field service technician for manual intervention when devices lock-up. Using a Sentry 4870-XLS, the network operations center can quickly restart locked-up remote network servers to ensure that the network is fully operational around the clock.

Sentry 48 VDC provides immediate operational cost savings, including:

- » **Reduced field service visits**
- » **Improved problem/solution response time**
- » **Improved network availability**
- » **Improved facility security**

Eliminate the Need for a Separate Power Distribution Panel

The Sentry 4870-XLS is an intelligent unit that combines the functions of a power distribution panel and remote power management unit into a compact 2U 19" rack-mounted enclosure.

Each power output terminal connection is protected by a TPC fuse. (The TPC fuse capacity ranges from 25 to 70-Amps.) A key application for the 4870-XLS is power distribution & remote management for a cabinet of both -48 VDC high-amp routers.

Measurement Features

Use either RS-232 or TCP/IP to monitor the status of key Measurement Values, or use SNMP to receive an alarm when a measurement value is out of a predefined threshold:

- » **Input Feed/Outlet "On Sense"** – Verifies voltage at each power input/outlet connection.
- » **Load Sense** – Provides an accurate, real time recording of the current draw, in amps, for each power outlet circuit.
- » **Environmental Sensors** – Measures the ambient temperature and humidity in an equipment cabinet to prevent damage from hot spots and high humidity.

Sentry 4870-XLS-4 : Specifications

Power Input

Qty (2) 100A power input terminal blocks (+/- & N), -48 VDC

Power Output

- » Qty (4) 70A max outlet circuits protected with TPC fuses
- » TPC Fuse Values: 25, 30, 40, 50, 60 or 75-Amps

Communications Interfaces

- » 10/100 Base T Ethernet TCP/IP: SSH, SSL, HTTP/HTTps (HTML web interface), SNMP MIB, Telnet; half/full duplex, auto-negotiating
- » Integrated Global Secure Modem 56Kbps (Option C)
- » Console RS-232, RJ45
- » External Modem RS-232, DB9F Speeds

RS-232 Data Format

1200, 2400, 4800, 9600, 19200, 38400 or 57600;
8 data bits; no parity; 1 stop bit

Access Security

- » SSHv2, SSLv3/TLSv1, MD5, Active Directory w/ LDAPv3
- » 16-character username/password authentication
- » Individual accounts with restricted access rights

Accessories

- » Option C Integrated Global Secure Modem 56 Kbps
- » EMTH-1-1 Temperature and Humidity Probe, 10'
- » HDMB-2 23" Mounting Brackets

Conformance & Agency Approvals

- » TUV-GS marked to EN60950
- » cTUV-us marked to UL 1950 and CSA C22.2 No.950-95

NEBS GR-1089-CORE

- » GR-63-CORE » Section 3.2
- » Section 4.2 » Section 7
- » Section 5.2 » Section 9



4870-XLS-4 Data Side



HTML GUI Interface

Size

17" W (w/19" mounting brackets) x 3.5" H (2 RU) x 16" D

Weight

16 lbs.

Warranty

One Year



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