Expanded Function Power Tower

Secure Remote Power Management over IP

Real-time Power Measurement and Outlet Grouping Control

Application and Benefit... Designed for Data centers, co-lo sites and other lights-out facilities, the Expanded Function Power Tower (PTEF) allows network managers to reboot remote servers, removing the time and distance between locked-up servers and the resources to rectify them.

Power Tower & Controller

The Power Input Current Monitor measures the current being drawn for on-site and remote verification. Now, the engineer can safely load the circuit to its maximum allowable load capacity. Overloading the power circuit with too much equipment can trip a circuit breaker or blow a fuse in the data center leading to all the network equipment units losing power, while under utilization of the available power results in the data center overspending on (leased or capitalized) power circuits.

Managing the Power Tower from a remote location is made easy through its companion Sentry Controller for TCP/IP management, out-of-band or RS-232 serial control. Each Controller is capable of managing up to four Power Towers – allowing Remote Power Management for up to 64 servers from one IP address.

Key Features

» **Remote Power Management**
Individually control each power outlet to remotely reboot network servers and internetworking devices. Or, power-off unused power outlets to prevent unauthorized power consumption on remote power circuit(s).

» **Group Name Port Control**
Group outlets within one Power Tower or across multiple Power Towers together to reboot dual-power supply servers with one command.

» **Input Current Monitor**
Precisely measure the current (in amps) that network devices are drawing on each power circuit. A digital display indicator on the Power Tower provides on-site verification of the current, and the remote user's interface screen reports the same current measurement.

» **Power-up Sequencing**
Prevent an in-rush power overload. When power is suspended and restored to the Power Tower, the 16 power output receptacles power-on in four-second intervals to prevent a power in-rush from blowing a fuse or tripping a circuit breaker in your data center. An LED indicator at each receptacle signals the status of the power outlet.

» **Power Distribution**
15, 20 or 30-Amp power input feed with straight-blade or twist-lock connectors. 120V or 230V.

» **Communications Access Modes**
Unparalleled communications access and management via HTML, SNMP, Telnet, Out-of-Band (internal or external modem); or RS-232 serial control.

» **Expanded Security**
In addition to password-per-port for multiple users, the PTEF also supports SecurID, TACACS, MD5 authentication, encrypted Telnet and IP-source restriction tables.

» **Zero U or Rack-mount Models**

Sentry Expanded Function Power Towers

Item #	Description	Maximum Input/Output	Maximum Output Per Receptacle	Receptacle Type	Dimensions L" x W" x H"
100-120V Models					
PTCS-V008-1-0x	8-port Vertical	30A	10A	NEMA 5-15R	43.25 x 1.75 x 2.25
PTCS-H008-1-0x	8-port Horizontal	30A	10A	NEMA 5-15R	8 x 17 x 1.75
PTCS-V016-1-0x	16-port Vertical	30A	10A	NEMA 5-15R	66 x 1.75 x 2.25
PTCS-H016-1-0x	16-port Horizontal	30A	10A	NEMA 5-15R	8 x 17 x 3.5
208-240V Models					
PTCS-V008-2-02	8-port Vertical	20A USA/ 16A int'l	10A	IEC C13	43.25 x 1.75 x 2.25
PTCS-H008-2-02	8-port Horizontal	20A USA/ 16A int'l	10A	IEC C13	8 x 17 x 1.75
PTCS-V016-2-02	16-port Vertical	20A USA/ 16A int'l	10A	IEC C13	66 x 1.75 x 2.25
PTCS-H016-2-02	16-port Horizontal	20A USA/ 16A int'l	10A	IEC C13	8 x 17 x 3.5

Sentry Power Tower Controller

Item #	Description	Communications Interface	Voltage	Dimensions L " x W" x H"
R400-PT00-0	Controls 1, 2, 3 or 4 Power Towers	RS-232 External Modem	100 -240V	7 x 17 x 1.5
R400-PT01-0	Controls 1, 2, 3 or 4 Power Towers	RS-232, External Modem 10-BaseT Ethernet	100 -240V	7 x 17 x 1.5
R400-PT02-0	Controls 1, 2, 3 or 4 Power Towers	RS-232, 10-BaseT Ethernet Integrated v.34 Modem	100 -240V	7 x 17 x 1.5
R400-PT03-0	Controls 1, 2, 3 or 4 Power Towers	RS-232 Integrated v.34 Modem	100 -240V	7 x 17 x 1.5

Agency Approvals & Certifications

FCC Class A
CE

cTUVus	CSA 22.2 No. 60950-00 3rd edition
	UL Std. 60950 3rd edition
TUVGS	EN 69050 3rd edition

Sentry Power Tower Power Distribution Units available in horizontal or vertical 8 or 16-port models for 120V or 230V.

The Input Current Monitor provides on-site verification of the aggregate load in amps on the power circuit.

For more info:

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