Cyclades® PM
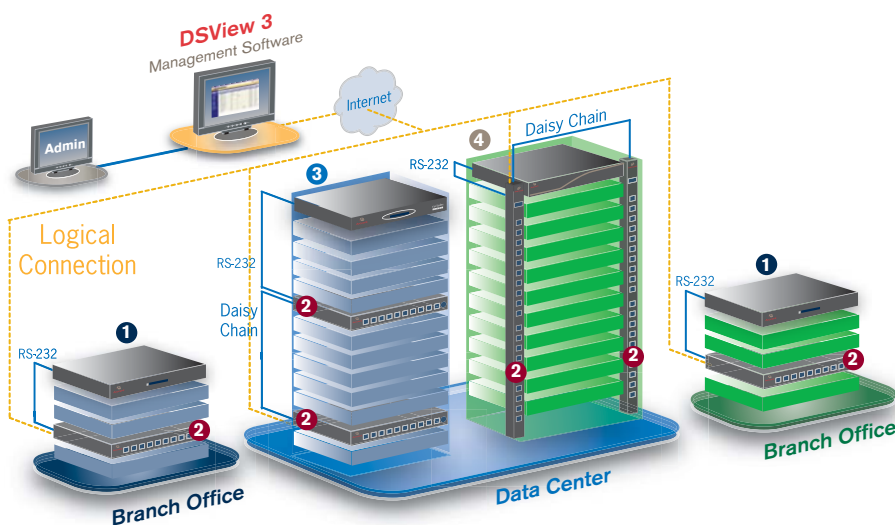## Intelligent Power Distribution Unit
NEMA Models

Integrated Remote Power Management and Distribution

Cyclades® PM intelligent power distribution units (IPDUs) enable remote power control and system management of IT assets. When used in conjunction with Cyclades ACS advanced console servers and DSR® switch appliances, Cyclades PM IPDUs offer quick problem resolution through an integrated management interface. With one or more outlets positively associated with a particular device, users may control power "in line" through a user-defined "hot key" or by using an intuitive Web browser-based GUI. In addition, a special command set facilitates scripting.

Cyclades PM IPDUs — NEMA Models

Cyclades PM NEMA models are equipped with 5-15R power outlets and fixed power cables. These units are available in 15A, 20A and 30A capacities with optional twist-lock input plugs. Each model includes two RS-232 ports: one for management and the second for daisy-chain expansion. Daisy-chaining allows an operator to control up to 128 power outlets as a single device. Cyclades NEMA IPDUs are designed to operate in 100-125 VAC environments.

An LED display shows the real time, true RMS current draw. Each PM unit may be configured to sound an alarm during an overcurrent condition, and if it is connected to a Cyclades ACS console server, the IPDU may also send notifications via e-mail messages, Short Message Service (SMS) pager messages and SNMP traps.

| 1 | **Cyclades OnSite** Branch Office Appliance | 2 | **Cyclades PM** IPDU | 3 | **Cyclades ACS** Advanced Console Server | 4 | **DSR** Switch |

Applications

- Power control over remote IT assets from anywhere on earth

- Seamless integration with Cyclades ACS console servers, DSR switches and DSView® 3 management software

- Proactive fault management and isolation

- Fault notifications via e-mail, SMS page and SNMP traps

Benefits

- Restore practically any IT asset without dispatching service personnel

- Virtually eliminate power control errors during crisis situations

- Improve administrative efficiency with integrated control functions

- Proactively identify and manage problems to improve mean time between failure (MTBF)

- Reduce risk, reduce mean time to recovery (MTTR)

- Conserve valuable IP addresses and switch ports

Hardware Specifications – NEMA

Interfaces: 2 RJ-45 RS-232 serial ports (9,600 8-N-1)
10 or 20 NEMA 5-15R outlets

Power*: PM10-15A
100–125 VAC, 15 A, NEMA 5-15P plug
15 A max. branch circuit rating
15 A max. per NEMA 5-15R outlet

PM10-20A, PM20-20A
100–125 VAC, 20 A, NEMA 5-20P plug
20 A max. branch circuit rating
15 A max. per NEMA 5-15R outlet

PM10-L20A, PM20-L20A
100–125 VAC, 20 A, NEMA L5-20P twist-lock plug
20 A max. branch circuit rating
15 A max. per NEMA 5-15R outlet

PM10-L30A, PM20-L30A
100–125 VAC, 30 A, NEMA L5-30P twist-lock plug
30 A max. branch circuit rating
15 A max. per NEMA 5-15R outlet

Operating Temperature: 50ºF to 122ºF (10ºC to 50ºC)

Storage Temperature: −40ºF to 185ºF (−40ºC to 85ºC)

Humidity: 5% to 95% noncondensing

Dimensions: (W x D x H) PM10-15A, -20A, -L20A
17 x 8.25 x 1.75 in. (43.18 x 20.96 x 4.45 cm)

PM10-L30A
17 x 8.5 x 1.75 in. (43.18 x 21.59 x 4.45 cm)

PM20-20A, -L20A, -L30A
1.8 x 2.2 x 66 in. (4.57 x 5.56 x 167.64 cm)

Weight: PM10   8.8 lb   4.0 kg
PM20   12.4 lb   5.6 kg

Certifications: FCC Part 15, A   CSA (fully compliant to UL standard)

*Units are certified to 80% of max. current rating.

Part Number	Model	Description
ATP3015	PM10-15A	10 outlets, 15 A max. branch, NEMA 5-15P
ATP3020	PM10-20A	10 outlets, 20 A max. branch, NEMA 5-20P
ATP3025	PM10-L20A	10 outlets, 20 A max. branch, NEMA L5-20P
ATP3035	PM10-L30A	10 outlets, 30 A max. branch, NEMA L5-30P
ATP2020	PM20-20A	20 outlets, 20 A max. branch, NEMA 5-20P
ATP2025	PM20-L20A	20 outlets, 20 A max. branch, NEMA L5-20P
ATP2035	PM20-L30A	20 outlets, 30 A max. branch, NEMA L5-30P

Features

Connectivity
- RS-232 serial port for configuration and management
- Second RS-232 serial port for control-level daisy chaining (up to 128 outlets)
- Full RS-232 signal support allows dial-in access via modem

Administration
- Name assignment per IPDU (up to 8 characters)
- Name assignment per outlet (up to 16 characters)
- Local authentication support (up to 8 users)
- Per-outlet access control lists

Management
- Independent control of power outlets (power on/off, cycle)
- Virtual lock per outlet (on or off states)
- Sequential power up with user-defined inter-outlet delays
- Global, true RMS current monitoring per IPDU
- Two-digit 7-segment LED current display
- On/off status LED per outlet
- User-defined overcurrent threshold with alarm
- Built-in visual and audible alarms
- Built-in ambient temperature sensor

Form Factors
- Industry's highest outlet density (up to 10 outlets per 1U)
- Horizontal (1U) and vertical (0U) models address a wide variety of applications

Integration Features*
- Integrated power management through console and KVM sessions
- CLI, menu and GUI interfaces
- Multioutlet grouping for devices with redundant power supplies
- RADIUS, TACACS+, Kerberos, LDAP, and Active Directory server-based authentication with local fallback
- Token-based strong authentication (RSA SecurID)
- Event logging via syslog
- Fault notification via e-mail, SMS page, SNMP trap
- SNMP integration with enterprise systems

*Features available when product is used in conjunction with Cyclades ACS console servers, DSR switches, Cyclades OnSite branch office appliance or DSView 3 management software (not included).

NEMA

Inputs

NEMA 5-15P
on fixed 12 ft power cord

NEMA 5-20P
on fixed 12 ft power cord

NEMA L5-20P
on fixed 12 ft power cord

NEMA L5-30P
on fixed 8 ft power cord

Outlets

NEMA 5-15R