Network Power Manager

User Manual

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1. Introduction

CAUTION: This unit is intended for indoor use only. Do not install near water or expose this unit to moisture. To prevent heat buildup, do not coil the power cord when in use. Do not use extension cords. Do not attempt to make any internal changes to the power source. Do not attempt to modify any portion or component.

CAUTION: Do not user power generator as input power source of PDU.

CAUTION: High-voltage surges and spikes can damage this equipment. To protect from such power surges and spikes, this unit must have a good earth ground or good power surge protection.

CAUTION: Do not exceed the AC current rating for the selected model.

CAUTION: In order to be absolutely removed from the power supply, the power cord must be unplugged from the power source.

CAUYION: This PDU contains LETHAL VOLTAGES. All repairs and service should be performed by AUTHORIZED SERVICE PERSONNEL ONLY. There are NO USER SERVICEABLE PARTS inside the PDU. The installation of options, routine maintenance, and service of this product must be performed by individuals who are knowledgeable about the procedures, precautions, and hazards associated with AC power products.

The PDU is an Internet ready device.

The PDU offers an easy set up and user-friendly communication interface to control power.

Features:

- Built-in web server, manager can real time to control power.
- Send the email and traps when outlet is turned on and off.
- Support the SNMP and provide MIB for the PDU to be managed by NMS.
- Real time to control outlets of PDU.
- Indicate outlets status with LED.
- Schedule control
- Auto reboot the locked device by pinging its IP
- Support network time protocols

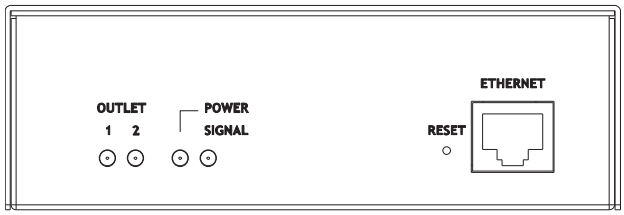
2. PDU Package

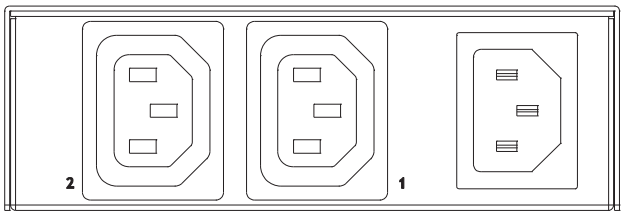
The standard PDU package contains a Power Distribution Unit with supporting hardware and software. The components of the package are:

- Network Power Manager
- CD-ROM, it contains:
- User Manual.
- MIB: Management Information Base for Network.

3. Function

Interface





Functions	Description
Ethernet	RJ45 port for network communication port.
Reset Button	● Press reset hole by clip and wait 6 flashes of "Signal" LED; then NPS can reset back to default setting.
LED Indicator	OUTLET (green): Light on means outlet is turned on. POWER (red): Light on means input power is working normally. SIGNAL (yellow): Flash after reset is pressed.

Model List

Model Number	Output Connection	Input Connection	Power Cord	Voltage	Max. Output
NPS-1023J-01N1	(1) C13	Inlet C14	Power cord, C13 to C14, 1.8m	200-240V	10 Amp
NPS-1023J-02N1	(2) C13	Inlet C14	Power cord, C13 to C14, 1.8m	200-240V	10 Amp
NPS-1023J-04N1	(4) C13	Inlet C14	Power cord, C13 to C14, 1.8m	200-240V	10 Amp
NPS-1511A-01N1	(1) 5-15R	Inlet C14	Power cord, C13 to 5-15P, 1.8m	100-127V	15 Amp
NPS-1511A-02N1	(2) 5-15R	Inlet C14	Power cord, C13 to 5-15P, 1.8m	100-127V	15 Amp
NPS-1511A-04N1	(4) 5-15R	Inlet C14	Power cord, C13 to 5-15P, 1.8m	100-127V	15 Amp

4. Installation

The default setting for the way to get IP address is fixed IP. It is 192.168.0.200

Note:

TO SETUP THE NETWORK SYSTEM FOR PDU, STRONGLY RECOMMAND TO BUILD UP THE POWER MONITORING NETWORK SYSTEM ISOLATED WITH THE OTHERS, IN ORDER TO KEEP THE STABILITY OF GETTING POWER INFORMATION AND SYSTEM OPERATION.

Note:

The output can only be connected to a single device. Do not use extension cords to power multiple sets of devices.

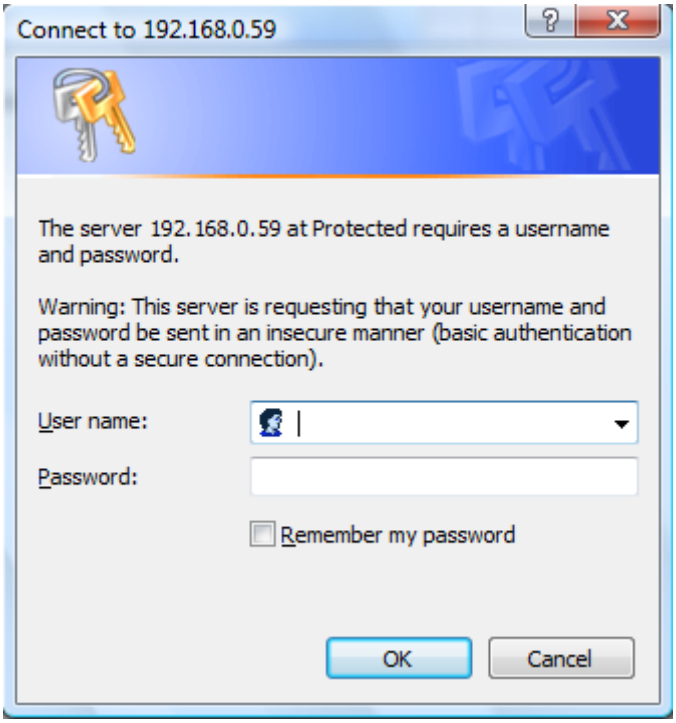
5. Web Interface

Login:

Input the PDU IP address in web browser.

Default ID is snmp.

Password is 1234.



Information: System

Indicate PDU system information, including:

Model No.

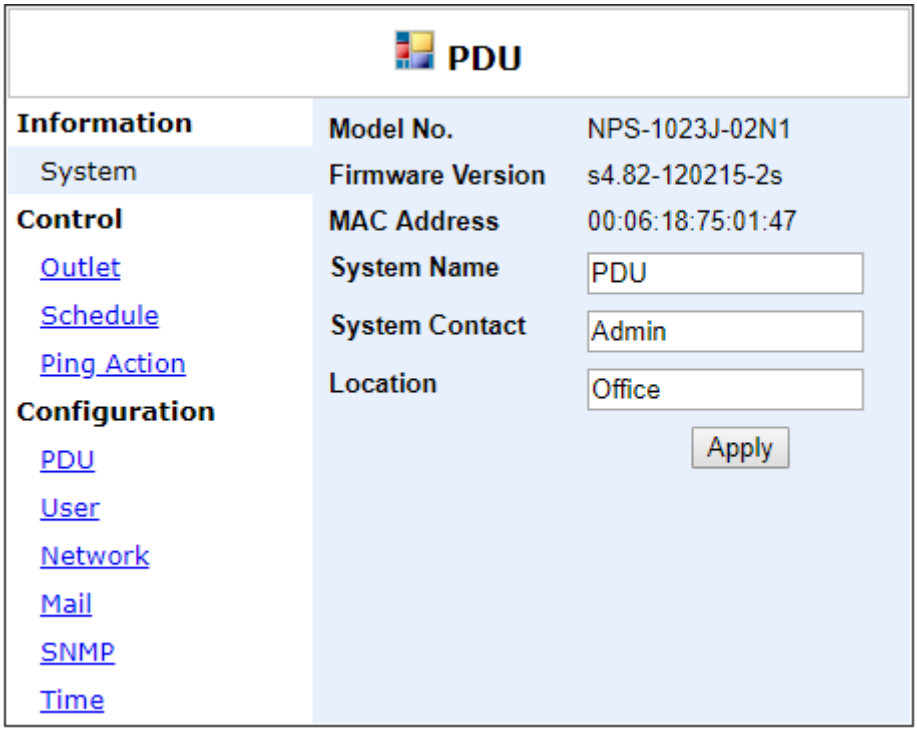
Firmware Version

MAC Address

System Name

System Contact

Location



Control: Outlet

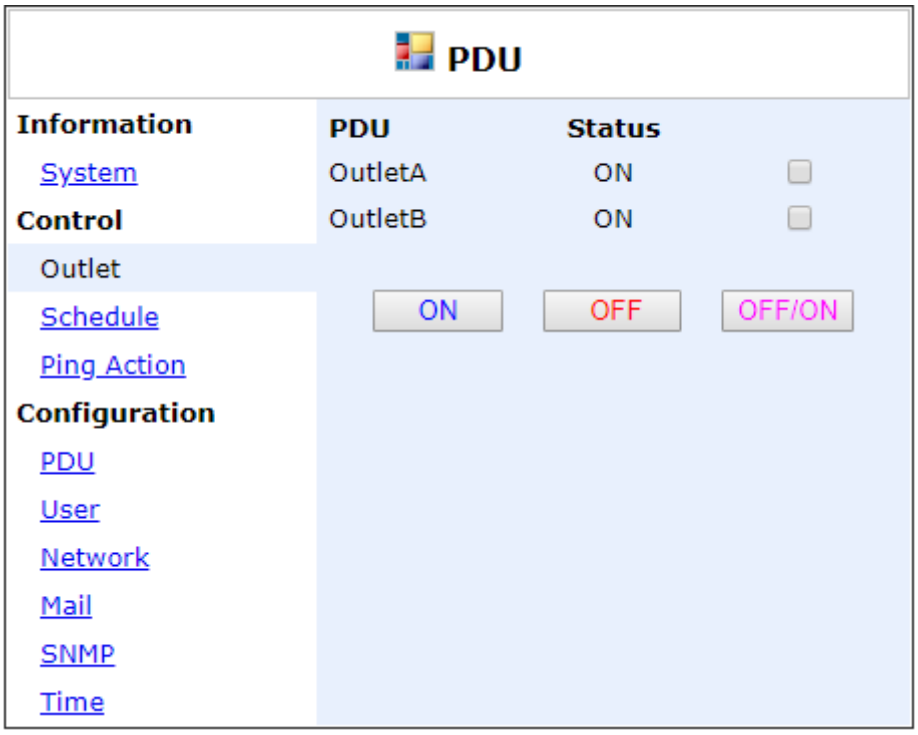
Indicate PDU outlet on/off status and control outlet.

Select the outlet by checking the box and then click ON or OFF button to control output power for PDU

ON: Press the icon to turn on the assigned outlets.

OFF: Press the icon to turn off the assigned outlets.

OFF/ON: Press the icon to reboot the assigned outlets.



Control: Schedule

Control the assigned outlet by pre-set schedule.

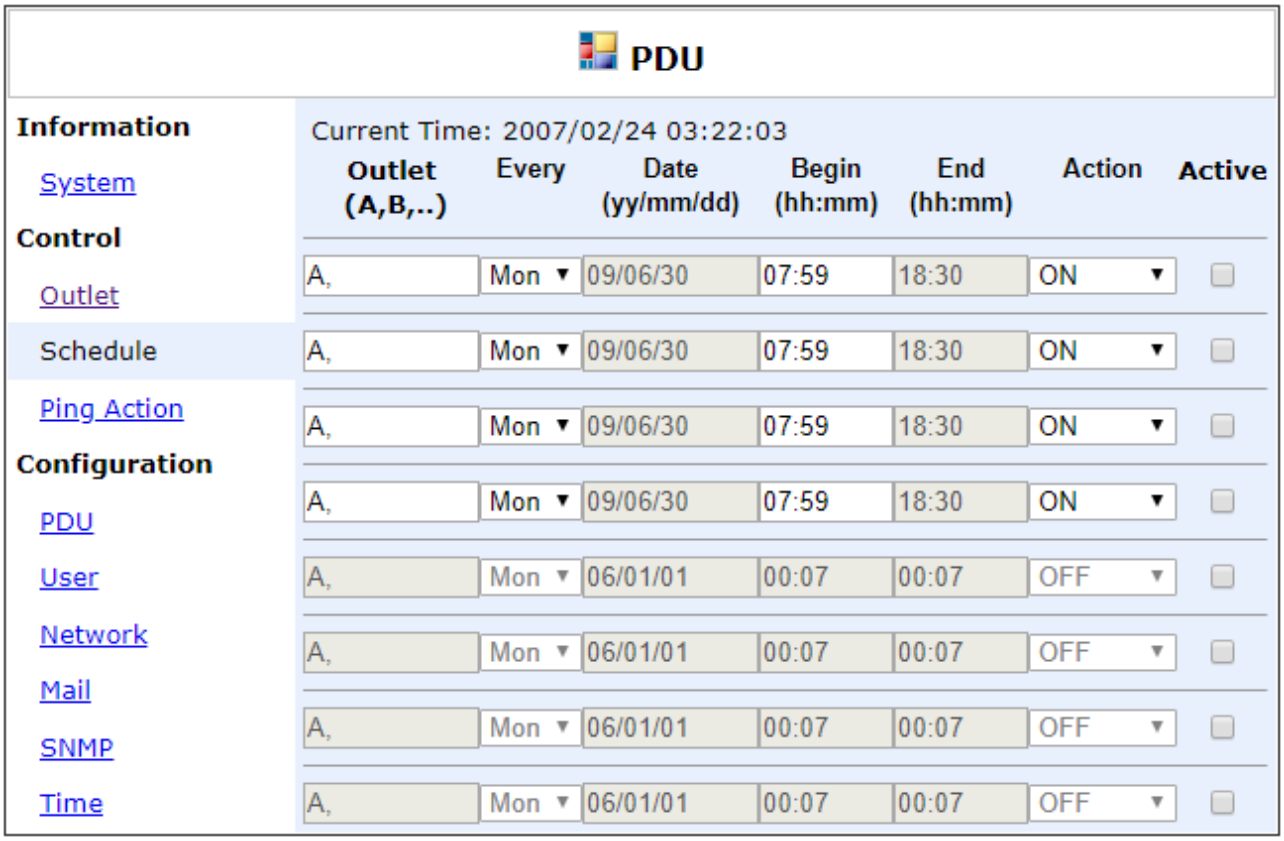
Outlet: Assign the outlet that want to be controlled in this schedule.

Every: Set week's day, assigned day or every day.

Date: When select "sgl" at column of "Every", need to input the truly date here.

Action:	**Begin:**	**End:**
ON	Turn on outlet at this time	None
OFF	Turn off outlet at this time	None
OFF/ON	Turn off outlet at this time	Turn on outlet at this time
ON/OFF	Turn on outlet at this time	Turn off outlet at this time

Active: Enable the assigned schedule control.



Control: Ping Action

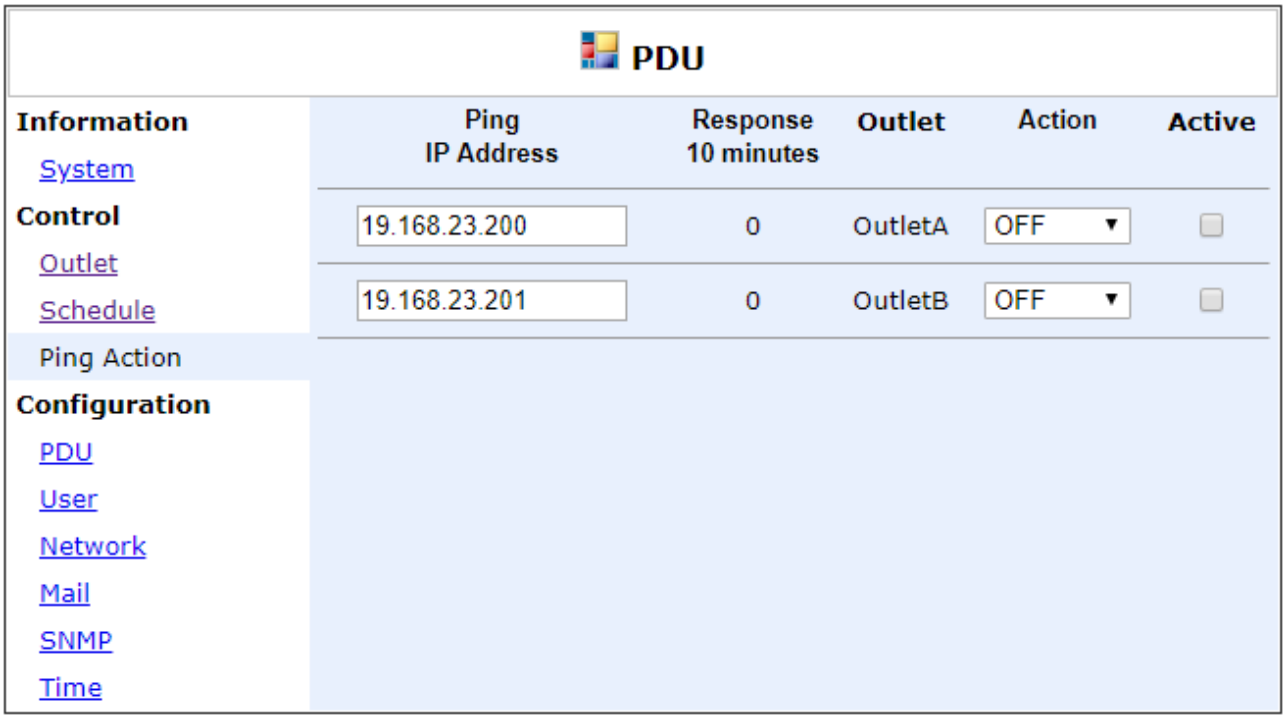
Automatically reboot the locked device by ping its IP

Ping IP Address: Set the device IP that want to be monitored by ping from PDU.

Response 10 minutes: PDU will ping the assigned IP address each minute one time, if the equipment has not responded, then number will be increased one time, when the continual 10 minutes have not obtained the response, the number will display 10 and PDU will carry out the assigned action automatically.

Action: Select outlet action to "OFF" or "OFF/ON"

Active: Enable this function.



Configuration: PDU

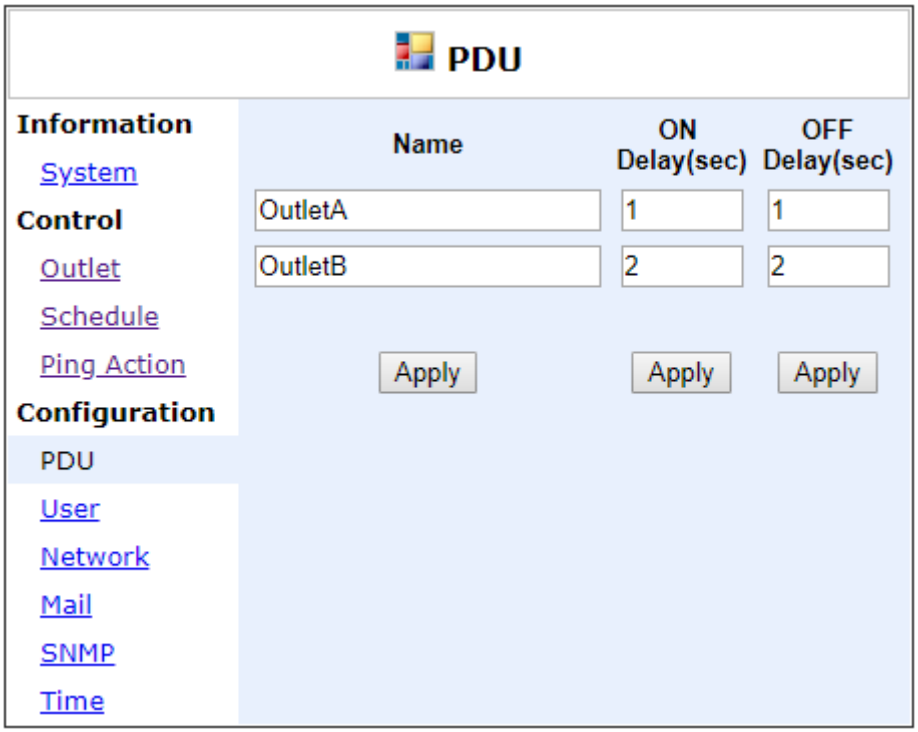
Set the outlet name and delay time.

Name: Rename the outlet.

ON: Set delay time for power on sequential.

OFF: Set delay time for power off sequential.

Note: The maximum delay time is 255 seconds.



Note： After PDU is plugged into main power, PDU system will start to sequentially turn on the output socket according to the pre-set delay time in PDU web interface. The factory default setting for delay time is one second for each outlet; therefore the 8 ports PDU will take 8 seconds, 24 ports PDU will take 24 seconds to complete start-up procedure.

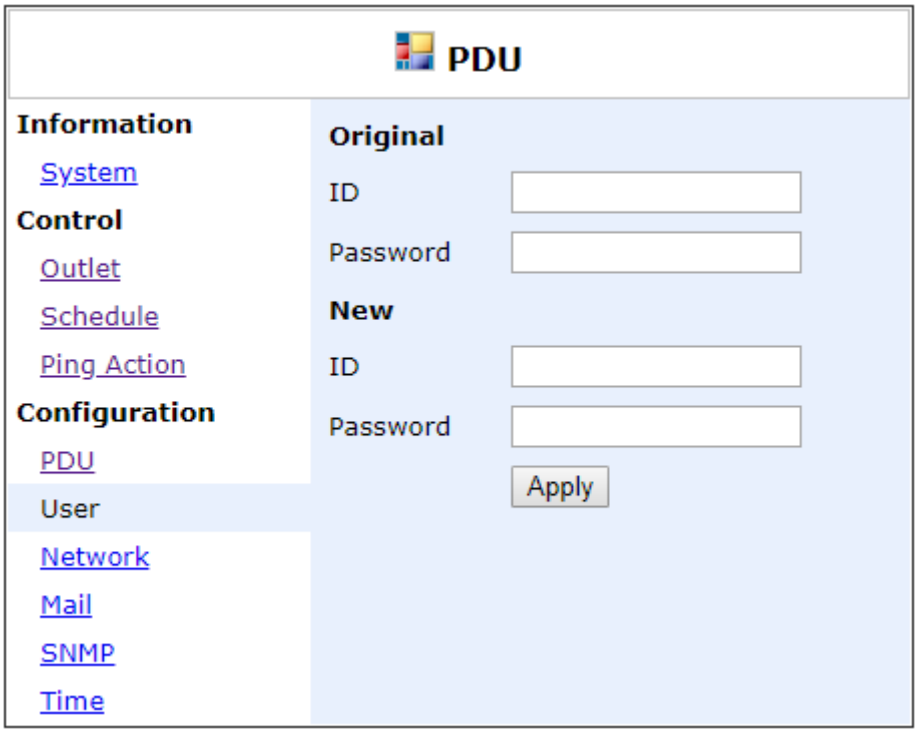
Before the sequence procedure is completed, if a PDU is unplugged from the power source, the outlets which are not turned on will be regarded as remaining at the power-off status. Next time the PDU is plugged into main power, these outlets will not be automatically turned on. These outlets can only be turned on by web interface.

Configuration: User

Change ID and password.

Default ID is snmp and password is 1234.

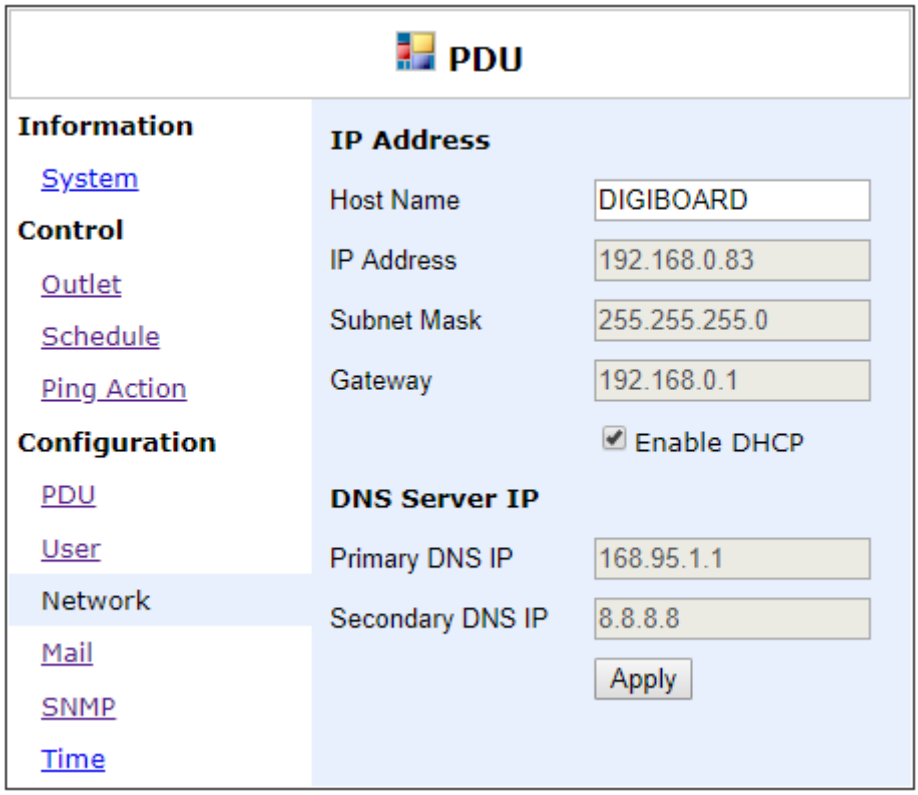
Note:
Maximum character number of ID and password is 12.
ID and password cannot use special characters.



Configuration: Network

PDU network information

Enable DHCP: Change the way to get IP address for PDU.



Configuration: Mail

When event occurs, PDU can send out email message to pre-defined account.

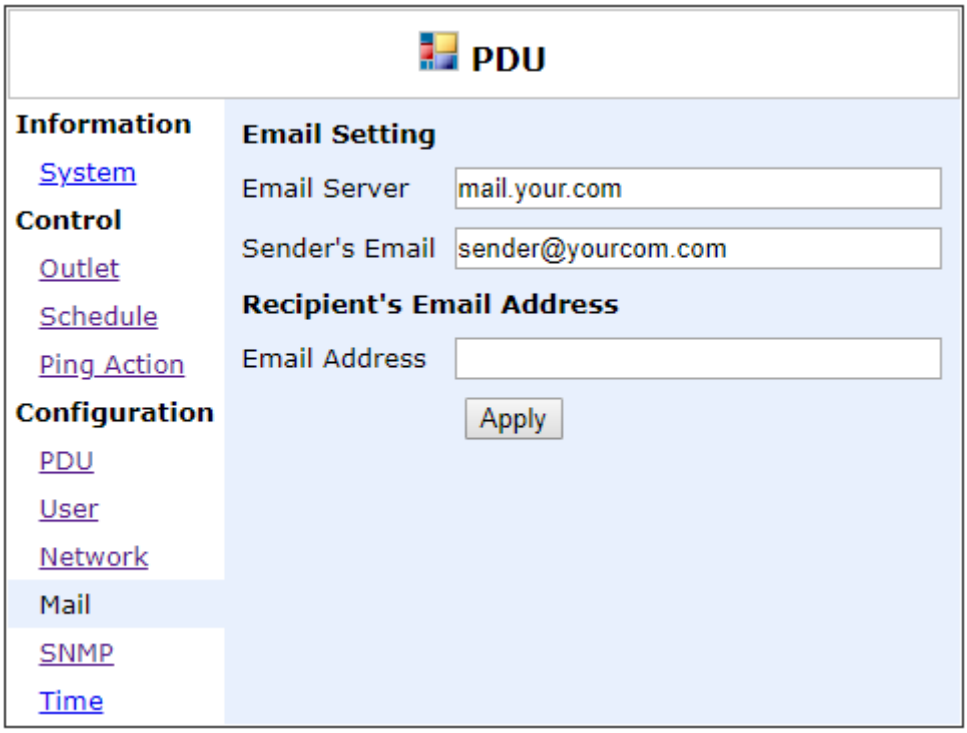
Email Server: The Email Server only support to be input domain name, not IP address.

Sender's Email: Input the sender email address.

Email Address: Input the recipient email address.

The message in the email:
Indicate OutletA~H-XXXXXXXX status in order
X=0 : means the power off.
X=1 : means the power on.

Note: Make sure DNS server can resolve the Email Server's domain name.

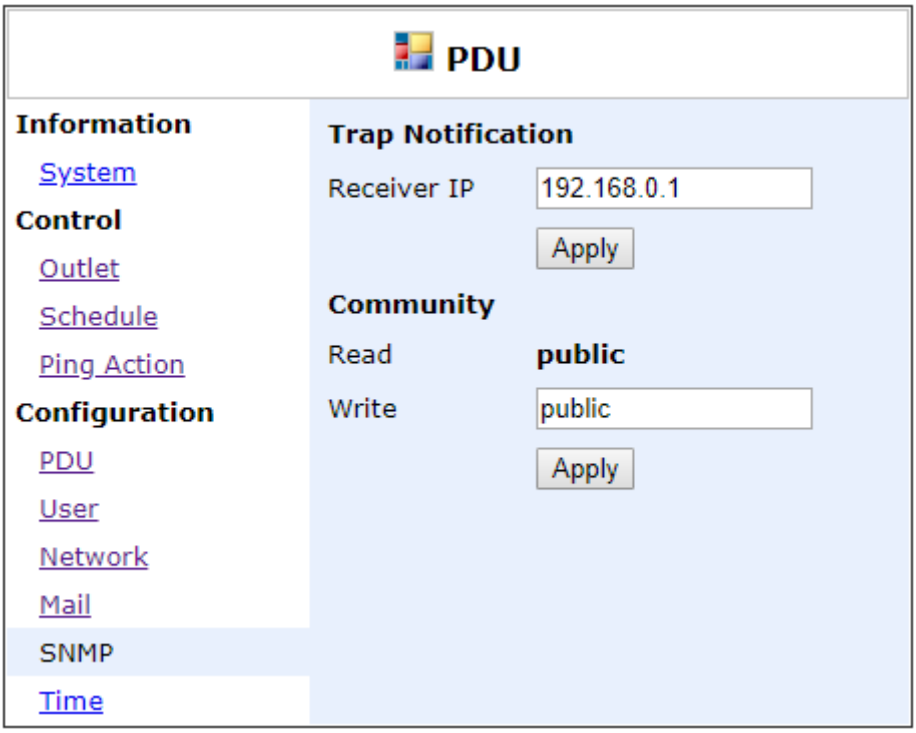


Configuration: SNMP

When event occurs, PDU can send out trap message to pre-defined IP address.

Trap Notification: Set receiver IP for trap.

Community: Set SNMP community.
Read Community is public and fixed.
Default Write Community is "public" and can be modified by user.



Configuration: Time

Set the time for schedule control.

Internet Time Setting: Get time from the assigned network time server.

System Time: Input time manually.