

USER'S GUIDE

Version 1.0

ZPAS
GROUP



PIML

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Preface

About this Manual

Congratulations on purchasing a ZPAS GROUP PDU. This user manual provides detailed descriptions of the hardware components and how to use the product. Read this manual carefully and follow the instructions before installing.

Copyright Information

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Preface

Safety Instructions

Follow these safety instructions to avoid injury to yourself and damage to the ZPAS GROUP PDU.

- To reduce the risk of fire or electric shock, install the unit in a temperature-controlled indoor area free of conductive contaminants. Do not place the unit near liquids or in an excessively humid environment.
- Do not allow liquids or foreign objects to enter the unit.
- The unit does not contain any user-serviceable parts.
- Do not open the unit.
- Servicing, maintenance, and repair for this equipment must be performed by qualified service personnel. Remove rings, watches and other jewelry before servicing the unit.
- Before maintenance, repair or shipment, the unit must be completely switched off and unplugged and all connections must be removed.
- Before plugging in the power cord of the device, make sure that the power source rating matches the power rated indicated on the product labels.
- Use a harmonized and certified power cord when connecting any device to the outlets.
- The digital output can only connect switches, indicators, or other output devices that are normally open or normally closed.

Preface

Safety Notices



Caution:

This unit has been provided with a real time clock circuit. There is a danger of explosion if the battery is incorrectly replaced. Replace only with a 3V Lithium cell (CR1220) or equivalent type. Discard used batteries according to the manufacturer's instructions.



Caution:

Rack-Mounted Equipment – The unit is intended to be rack-mounted, the Installation Instructions shall contain wording to address the following concerns when the unit is mounted in a rack system.

“The equipment is to be installed in an environment with maximum ambient temperature must not exceed 60°C.”

“The openings on the enclosure are for air convection hence protected the equipment from overheating. DO NOT COVER THE OPENINGS.”

“Lay this equipment on a reliable surface when installing. A drop or fall could cause injury.”

“The equipment shall be installed according to specification as nameplate. Make sure the voltage of the power source when connecting the equipment to the power outlet. The current of load and output power of loads should not be over the specification.”

“This equipment must be connected to the reliable earth before using.”

Introduction the ZPAS GROUP

The ZPAS GROUP PIML PDU, is an intelligent power strip designed to power monitor the input and circuit breaker consumption and auto email history report to supervisor for power bill charge. At the same time, provides the useful ability of managing power for any combination of network equipment connected to it. Users can control the power on/off for any device connected to the PDU remotely, using a console or Ethernet connections.

It's also equipped with a console port for connecting upto 8 EMD (Environmental Monitoring Device) in cascade for sensing temperature and humidity along with two alarms that can be activated when either of the sensors shows unusual values.

Introduction the ZPAS GROUP

Features

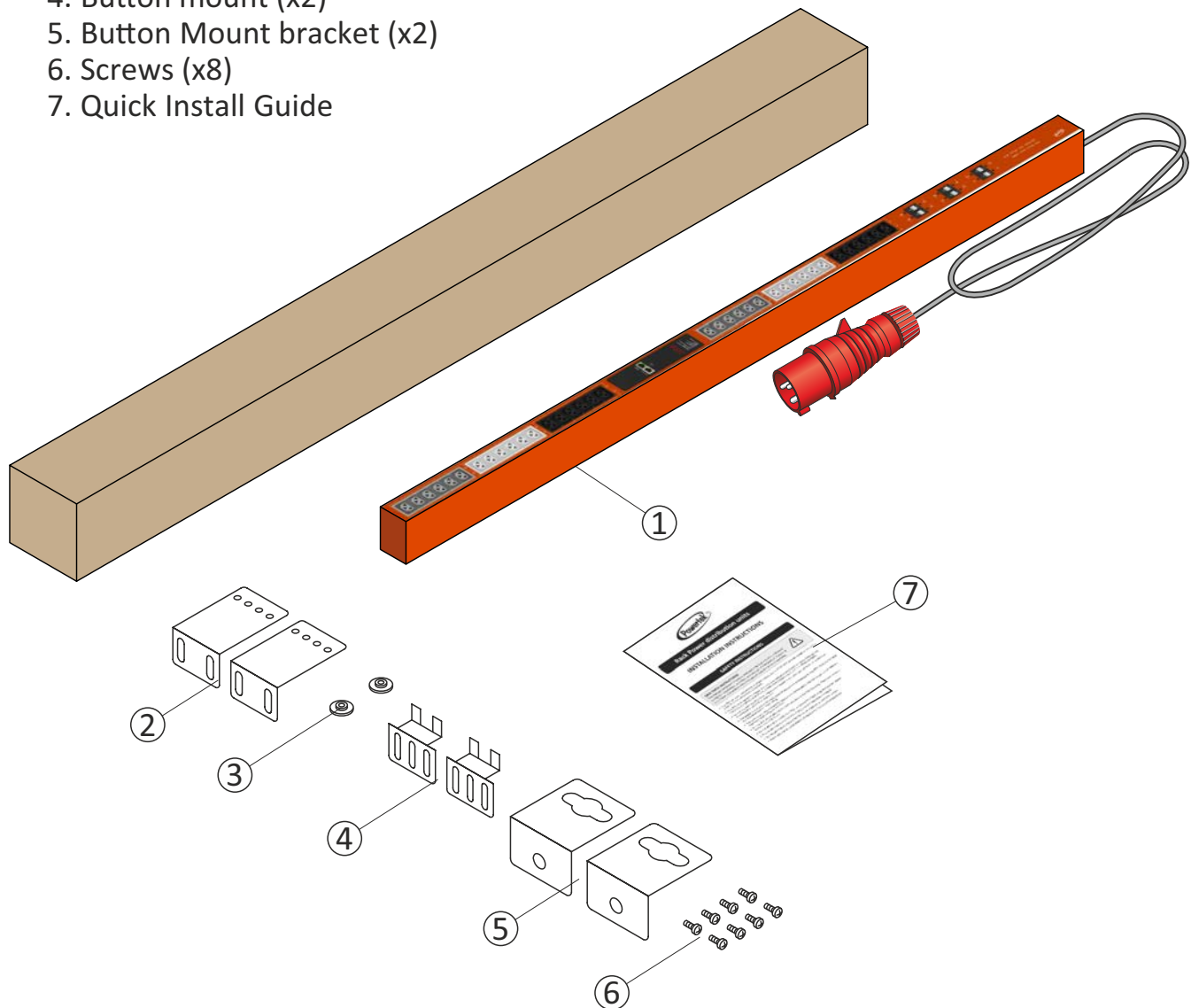
- To calculate the power consumption on an hourly basis, and to have an accumulation daily
- Provides detailed data-logging for statistical analysis and diagnostic then auto email daily history report
- Event notification by pop-up/Sending Trap or E-Mail for events notifications.
- Set overcurrent watchdog for each outlet (Threshold settings for over-current warnings and alerts)
- Versatile sensors supported through EMD (Environmental Monitoring Device) inputs
- Comprehensive power management and flexible configuration through web browser, NMS, Telnet, SNMP V1,2,3 ,
- Support Secure Socket Layer V3 and Secure Shell V2 protocols
- Administrator and multiple users with password protection for double-layer security
- Address-specific IP security masks to prevent unauthorized access
- User-friendly interface to display input and output status
- Upgrade utility for easy firmware upgrade

Introduction the ZPAS GROUP

Package Contents

Make sure the ZPAS GROUP PDU package has the following items. If any of the items are missing or damaged, contact your nearest service center or vendor.

1. ZPAS GROUP PDU
2. Toolless Mounting Brackets (x2)
3. Mounting brackets (x2)
4. Button mount (x2)
5. Button Mount bracket (x2)
6. Screws (x8)
7. Quick Install Guide



Introduction the ZPAS GROUP

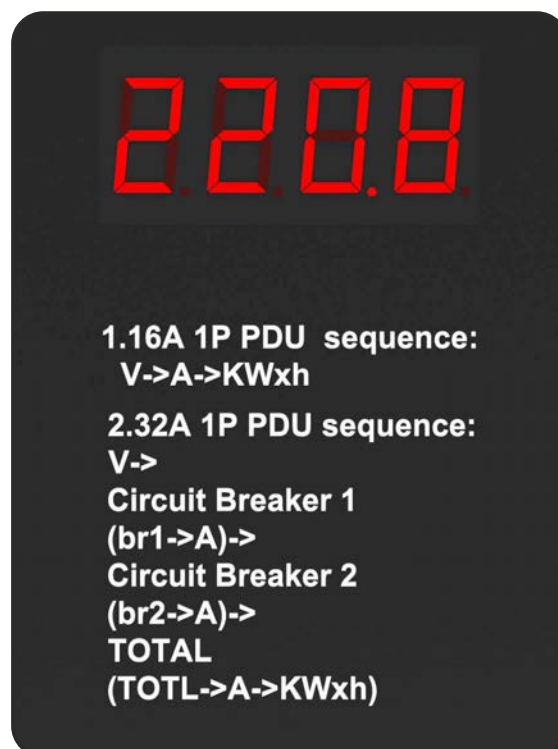
Hardware Components

The following sections provide descriptions about the front panel components and how to use them.

Component		Description
1.	Inlet	Power lead to be connected to the Data Centre power source
2.	Breaker	Prevent excessive current flow to protect the system
3.	Status 7 segments	Display input Power Data
4.	Mounting Options	Different choice of mounting options

Status 7 segments display

The front panel of the ZPAS GROUP PDU has an 7 segments display that provides information about the input power status.

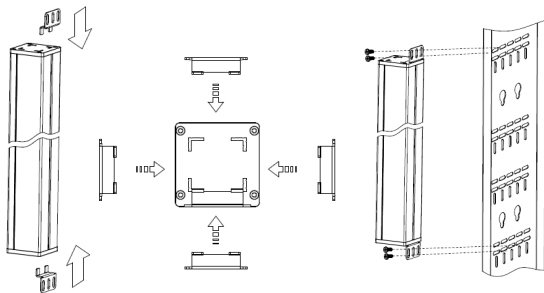


Getting Started

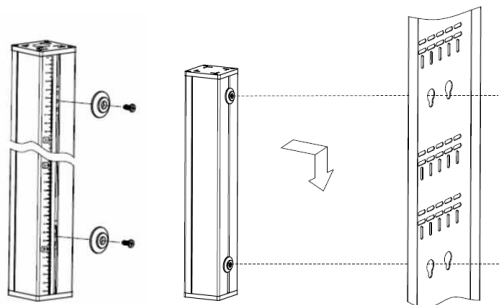
This section provides information about setting up the ZPAS GROUP PDU, connecting power, and connecting devices to it before users start using it for power management. Read this section carefully to learn how to connect various devices to the ZPAS GROUP PDU.

Rack Mounting

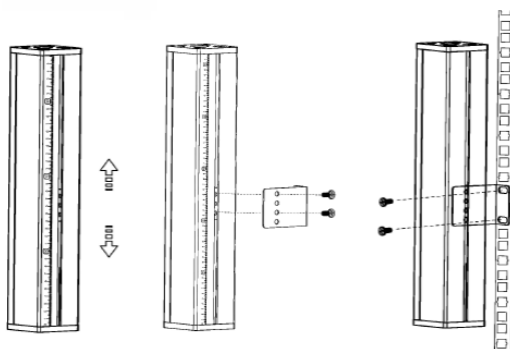
The ZPAS GROUP PDU can be installed in most standard racks. After attaching the desired mounting, position the device in the rack and line the holes of the (mounting brackets) with the hole on the rack.



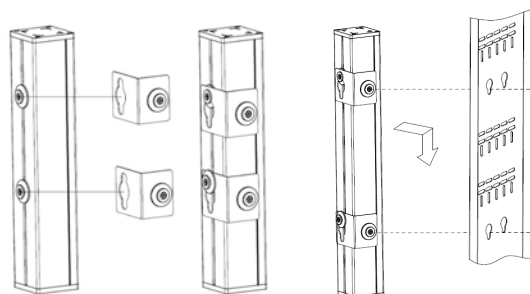
Option 1: Insert the toolless mounting brackets into the ends of the PDU (note the brackets can face all four sides of the PDU; be sure to insert them so that the outlets face the desired direction), then mount PDU to rack rails using user supplied mounting hardware.



Option 2: Fix the button mounts on your desired position (note the nuts to fix the button can move along the PDU), then mount the PDU into the button mount holes of your rack.

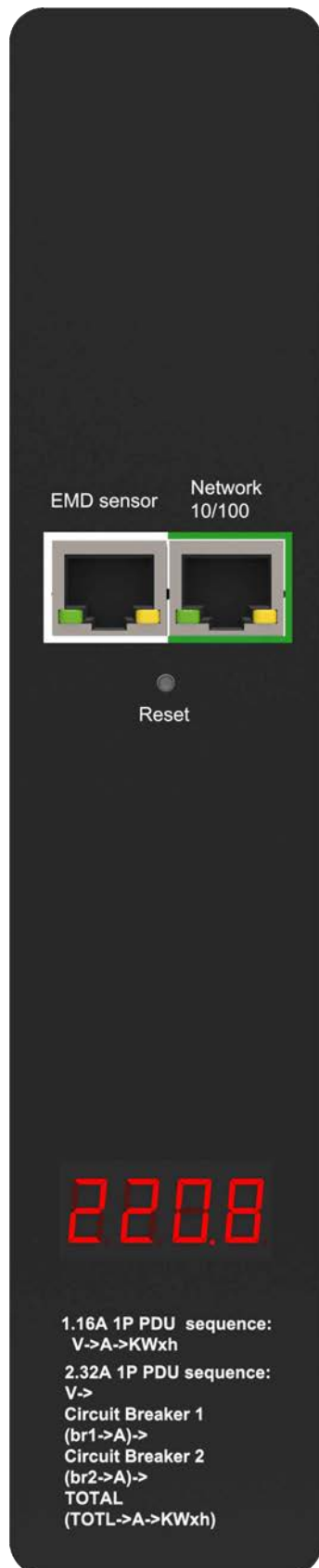


Option 3: Screw the brackets on your desired position (note the nuts to fix the button can move along the PDU), then mount PDU to the rack rails using the user supplied mounting hardware.



Option 4: Fix the button mounts on to your desired position (note the nuts to fix the button can move along the PDU), then mount the bracket into the button mount holes of your rack.

Getting Started



Making Connections

The ZPAS GROUP PDU is a versatile product that can be connected to several different types of input and output devices. This makes it a useful tool for connecting devices to it and to monitor the power through its user interface.

It also supports an EMD (Environmental Monitoring Device) connecting with sensors for detecting environmental conditions as well as digital outputs for enabling devices with normally open or closed conditions. Moreover, it supports Ethernet (LAN/WAN) connection that lets users control the PDU outputs remotely.

Getting Started

The following procedure describes the basic steps needed to set up the ZPAS GROUP PDU:

1. To set up the hardware, connect the power input and output devices to the power outlets.
2. To configure the Power Strip, users must use the LAN port. Connect the device to the LAN to enable its configuration through the browser menu.
3. After connecting it to a console, use a console application such as Telnet or HyperTerminal to access the console menu. Select the TCP/IP submenu under the Network Management to set up the IP address and select the General Setting submenu under the System Management to set up the system date/time. This IP address will be used while accessing the web interface to configure the ZPAS GROUP PDU parameters.
4. After connecting to LAN, open a browser from a PC in the network and use the ZPAS GROUP IP address specified through the console menu to open the web interface for system configuration.

The following sections provide instructions on how to make various connections.

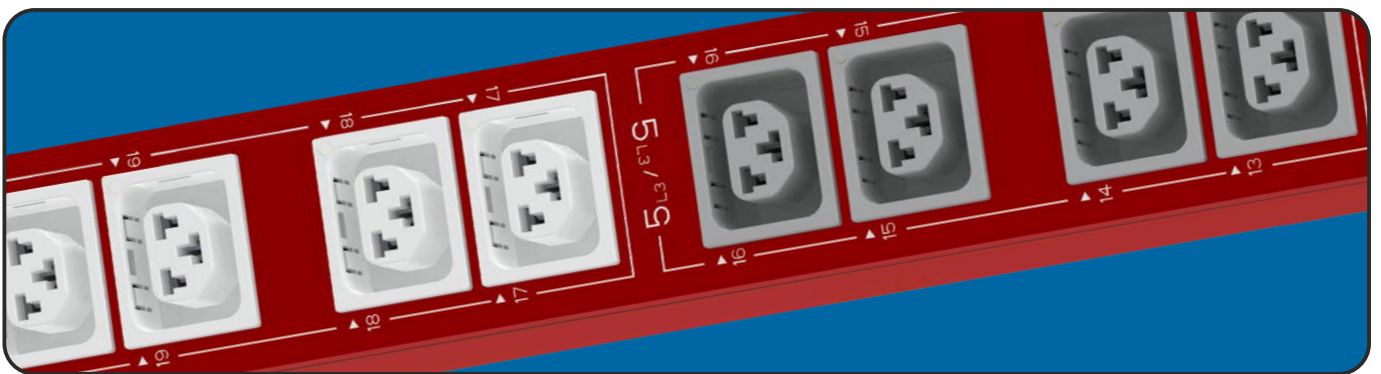
Connecting Input Power

The ZPAS GROUP PDU has different power inlets according to the voltage, current and phase required in each country.

Getting Started

Connecting Output Devices

The Power strips can have a different number of outlets for connecting devices such as workstations, servers, and printers. Connect the power connectors of the devices to each of the power outlets.



The ZPAS GROUP PDUs are available in the following sockets:

220V/16A: IEC C13/C19 combo

220V/10A IEC C13, IEC C13 (Lock), AS/NZS 3112

220V/16A SEV T13, SEV T23, CEE7, IEC C19, IEC C19 (lock), SEV T23

220V/13A: UK BS1363

220V/15A: AS/NZS 3112

120V/15A: NEMA 5-15P

120V/20A: NEMA5-20P

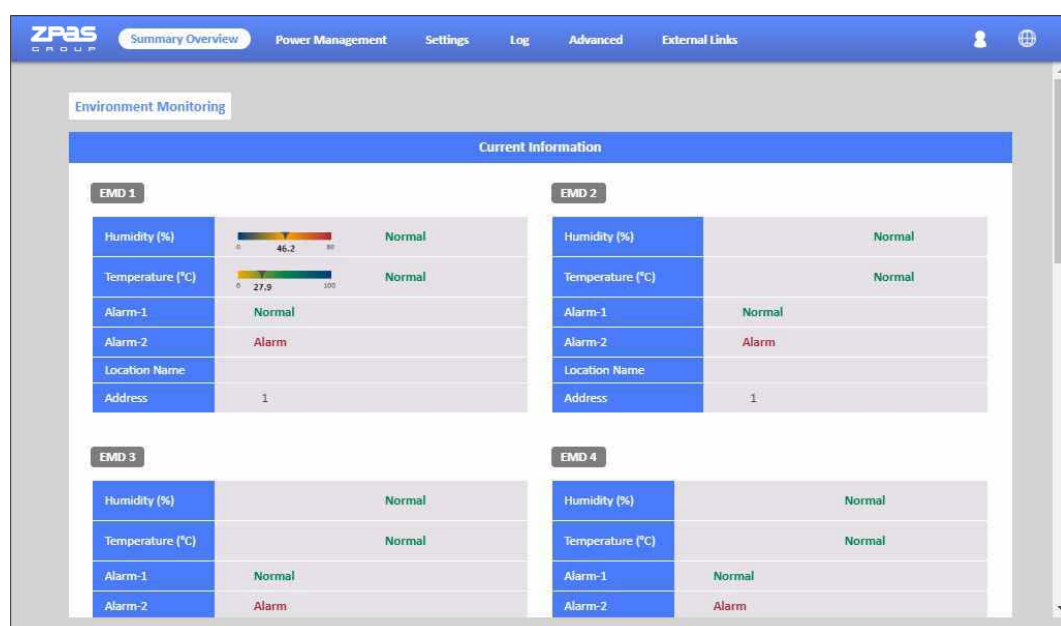
Getting Started

Connecting EMD

An Environmental Monitoring Device (EMD) that is connected to sensors for detecting temperature, humidity, and two digital inputs can be connected to the ZPAS GROUP PDU with the console port. The EMD can also be connected to alarms or indicators and controlled through the web browser. Up to 8 EMD can be connected in cascade to monitor the temperature and humidity in different parts of the racks.

1. Connect the EMD to the console port as shown:

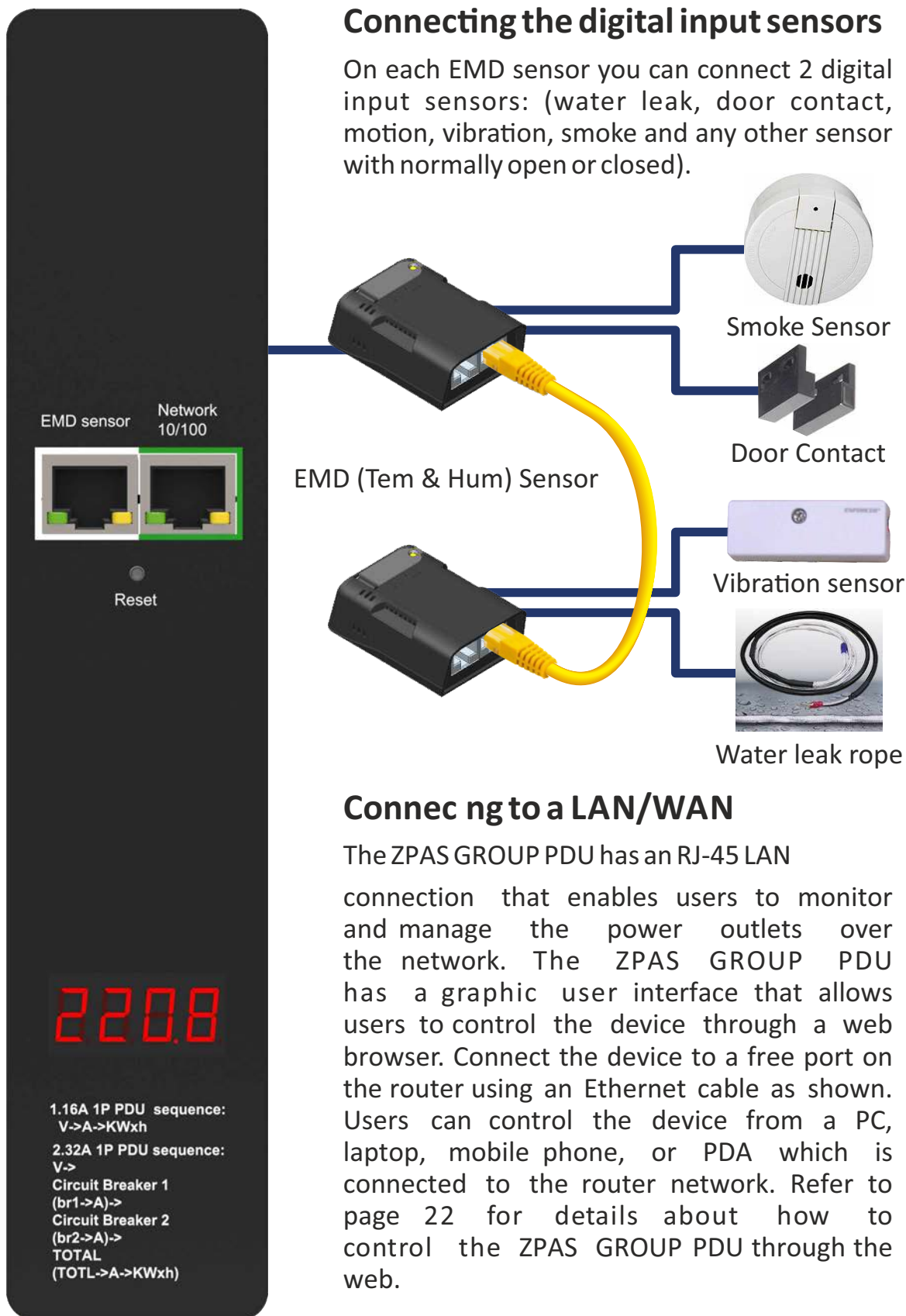
After connecting the EMD, open a web browser from a PC and enable environmental sensors on the web user interface, then the temperature and humidity status is automatically displayed on the System Overview page.



Getting Started

Connecting the digital input sensors

On each EMD sensor you can connect 2 digital input sensors: (water leak, door contact, motion, vibration, smoke and any other sensor with normally open or closed).



Connecting to a LAN/WAN

The ZPAS GROUP PDU has an RJ-45 LAN

connection that enables users to monitor and manage the power outlets over the network. The ZPAS GROUP PDU has a graphic user interface that allows users to control the device through a web browser. Connect the device to a free port on the router using an Ethernet cable as shown. Users can control the device from a PC, laptop, mobile phone, or PDA which is connected to the router network. Refer to page 22 for details about how to control the ZPAS GROUP PDU through the web.

Getting Started

Using the (RCM) Residual Current Monitoring:

When a residual current device is triggered, besides the LCM keep flashing will display the “WARNING” signal as shown.



Users can set the related setting of residual current from the Inlet Configuration webpage as shown.

1. Alarm there holds a setting range for 3mA to 50mA, There holds default setting is 20mA, when residual current greater than or equal to threshold value, an alarm is triggered.
2. When DC residual current is greater than or equal to 5mA, an alarm is triggered.
3. When AC residual current is greater than or equal to 20mA, an alarm is triggered.
4. When the alarm threshold value setting is less than or equal to 5mA, If DC residual current or AC residual are ac ve, an alarm is triggered.
5. When the alarm threshold value setting is less than or equal to 20mA, If AC residual current is ac ve, an alarm is triggered and DC residual current will be ignored.

The screenshot displays the ZPAS Group web interface. The top navigation bar includes links for Summary Overview, Power Management (selected), Setting, Log, Advanced, and External Links. The user is logged in as 'admin'. The main content area is divided into two sections: Phase Load Management and Configuration.

Phase Load Management

PDU A

Phase	Current(A)	Voltage(V)	Frequency (Hz)	Power Factor(%)	Power(W/VA) Active/Apparent	Reactive Power (var)	Status
1	0.00	0.0	0.00	0.0	0.0/0.0	0.0	Normal

Residual Current (mA) 29.1 Critical

Configuration

PDU A

	Over Load Alarm(W)	Load Balance Alarm(%)
Critical	3520	100
Warning	2200	50

Residual Current (mA)

Alarm Threshold 20

	Over Current Alarm (A)	Over Voltage Alarm (V)
Critical	1 16.00	250.0
Warning	1 13.00	245.0

Apply

Using the Console Menu

Navigating through the Console Menu

Follow these steps to navigate through the console menu to modify the settings:

- To select a submenu, type the number corresponding to the submenu and press Enter. For example, to select the PDU Configuration Settings menu, type 1 and press Enter. Submenus may have further nested menus which can also be accessed by typing the appropriate number.
- To modify a menu option, select the option with its corresponding number and then type the new values for the option. For instance, to change the system date, first select the System Date option by typing 1 from the Day and Time Group and press Enter. Then type the date in the specified format (dd/mm/yyyy) and press Enter to save the changes.
- Type 0 (zero) to return to a previous or higher-level menu.

```
+=====+
|               PDU Configuration Utility               |
|               [PDU Configuration Settings]             |
+=====+
Version   :      System v1.00 (2M)(SN)
Ethernet address : 00 E0 D8 00 7F 61
1. IP, Time and System Group
0. Back to Main Menu

Please Enter Your Choice =>
```

```
+=====+
|               PDU Configuration Utility               |
|               [IP, Time and System Group]             |
+=====+
Firmware Version :      _v0.80 _b01
Ethernet address  : 00:E0:D8:00:7F:61
1. IPv4 Group
2. IPv6 Group
3. Date and Time Group
4. System Contact : Technical Support Team
5. System Name : XXXXX
6. System Location : OOOOOOO
0. Back to Main Menu

Please Enter Your Choice =>
```

Using the Console Menu

The console menu consists of the following submenus:

- IPv4 Group:

Type 1 and press Enter, then input new IP address and press Enter. The IP Address has been updated.

Type 2 and press Enter, then input the new Gateway address and press Enter. The Gateway Address has been updated.

Type 3 and press Enter, then input new Network Subnet and press Enter. The Network Subnet has been updated.

```
+=====+
| IP, Time and System Group |
| [IPv4 Group]              |
+=====+
1. IP Address   : 10.1.2.170
2. Gateway Address : 10.1.1.254
3. Network Subnet : 255.255.0.0
0. Return to previous menu
```

- IPv6 Group:

Type 1 and press Enter, then input new IPv6 address and press Enter. The IPv 6 Address has been updated.

```
+=====+
| IP, Time and System Group |
| [IPv6 Group]              |
+=====+
1. IP v6 Address : 2001:b183:1:1:2e0:d8ff:feff:b585/64
0. Return to previous menu
```

- Date and Time Group:

Type 1 and press Enter, then input System Date and press Enter. The System Date has been updated.

Type 2 and press Enter, then input new System Time and press Enter. The System Time has been updated.

```
+=====+
| IP, Time and System Group |
| [Date and Time Group]     |
+=====+
1. System Date (dd/mm/yyyy) : 30/05/2014
2. System Time (hh:mm:ss)   : 15:05:17
3. NTP Control               : Disabled
4. NTP Server                :
5. Time Zone                 : 62
6. Daylight Saving Time Control : Disabled
0. Return to previous menu
```

Type 3 and press Enter, then input [1] for Enable / [0] for Disable “NTP” and press Enter. The NTP control setting has been updated.

Type 4 and press Enter, then input NTP Server and press Enter. The NTP Server has been updated.

Type 5 and press Enter, then input Time Zone and press Enter. The Time Zone has been updated.

Type 6 and press Enter, then input [1] for Enable / [0] for Disable “Daylight Saving Time” and press Enter. The “Daylight Saving Time” setting has been updated.

- System Contact: Input and click enter to update System Contact.
- System Name: Input and click enter to update System Name.
- System Location: Input and click enter to update System Location.

Using the Web Interface

The ZPAS GROUP PDU provides a graphic user interface that can be viewed from a web browser such as Internet Explorer. This enables users to access and control the device outlets and subsequently, its output devices remotely from users' desktop, laptop, PDA, or even users' mobile phones. This section provides instructions about how to use the web interface to configure and control the PDU remotely.

Summary Overview-System Overview

Start a web browser such as Internet Explorer from the host PC or laptop and enter the IP address of the Power Strip in the address bar. For details about setting the IP address of the system. You will be prompted to enter a Username and Password. Click Go and the main status page of the ZPAS GROUP PDU web interface is displayed.

The default settings are:

DHCP: Enabled

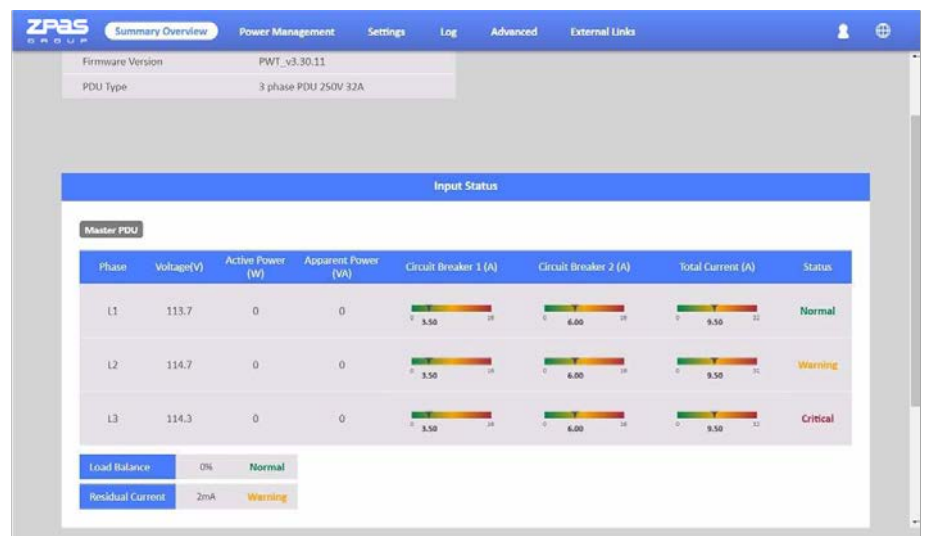
IP Address: 192.168.1.250

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.10

Username: admin

Password: admin



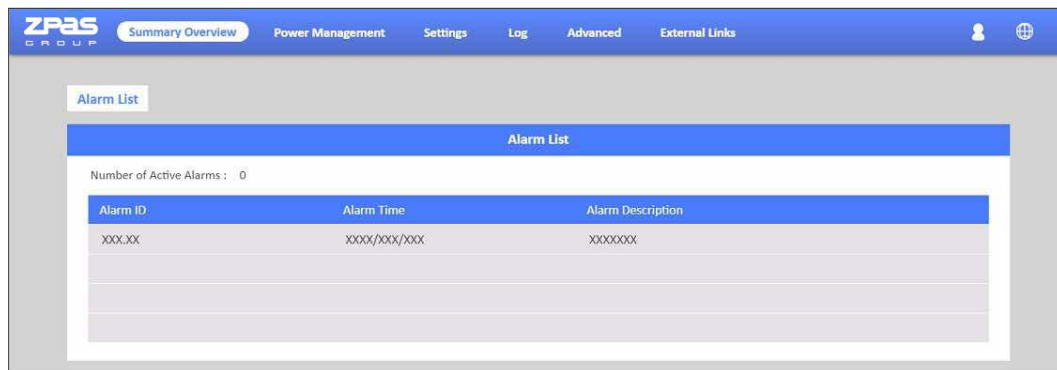
The main page shows a graphic representation of the Power Strip outlets and inputs status as described below:

- The panel shows the various menus and submenus. Click any menu to display the menu options, expand the menu items, and modify the menu options as required.
- The right panel shows the current status of the Power strip.

Using the Web Interface

Summary Overview-Alarm List

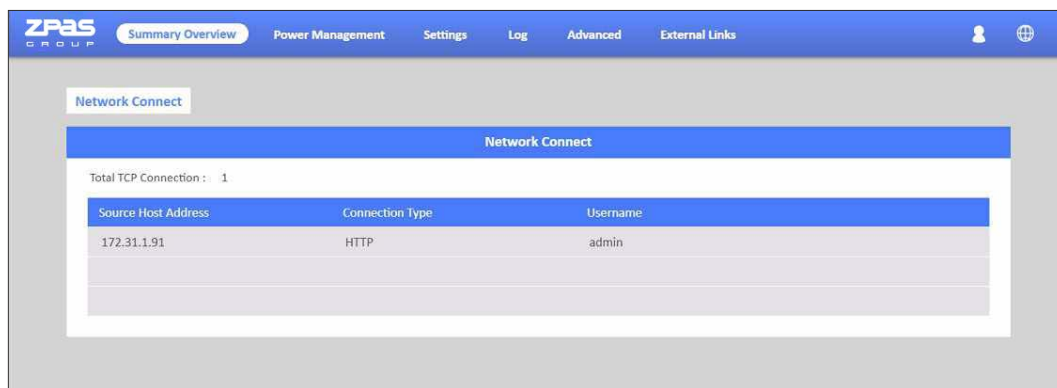
The “Alarm List” page shows the list of Alarms, which were set by the user. ZPAS GROUP PDU will follow the rules of an alarm to send out notification to the user.



Alarm List		
Number of Active Alarms : 0		
Alarm ID	Alarm Time	Alarm Description
XXX.XX	XXXX/XXX/XXX	XXXXXXXX

Summary Overview-Network Connection

The Network Connection page shows a list of user's connections.



Network Connect		
Total TCP Connection : 1		
Source Host Address	Connection Type	Username
172.31.1.91	HTTP	admin

Using the Web Interface

Power Management-Inlet Configuration

This page lets the user configure Inlet load. You can set the condition of "Critical" and "Warning". (The value of "Critical" must be larger than "Warning").

When Inlet Power is over the condition you set, the light of status will become the corresponding colour.(Red means "Critical", Yellow means "Warning" and Green means "Normal") And you will receive the notification mail if you have set it in Email Notification.

The screenshot shows the ZPAS Group web interface. The top navigation bar includes 'Summary Overview', 'Power Management' (selected), 'Setting', 'Log', 'Advanced', and 'External Links'. The user is logged in as 'admin'.

Phase Load Management

PDU A

Phase	Current(A)	Voltage(V)	Frequency (Hz)	Power Factor(%)	Power(W/VA) Active/Apparent	Reactive Power (var)	Status
1	0.00	0.0	0.00	0.0	0.0/0.0	0.0	Normal

Residual Current (mA) 29.1 **Critical**

Configuration

PDU A

	Over Load Alarm(W)	Load Balance Alarm(%)
Critical	3520	100
Warning	2200	50

Residual Current (mA)

Alarm Threshold: 20

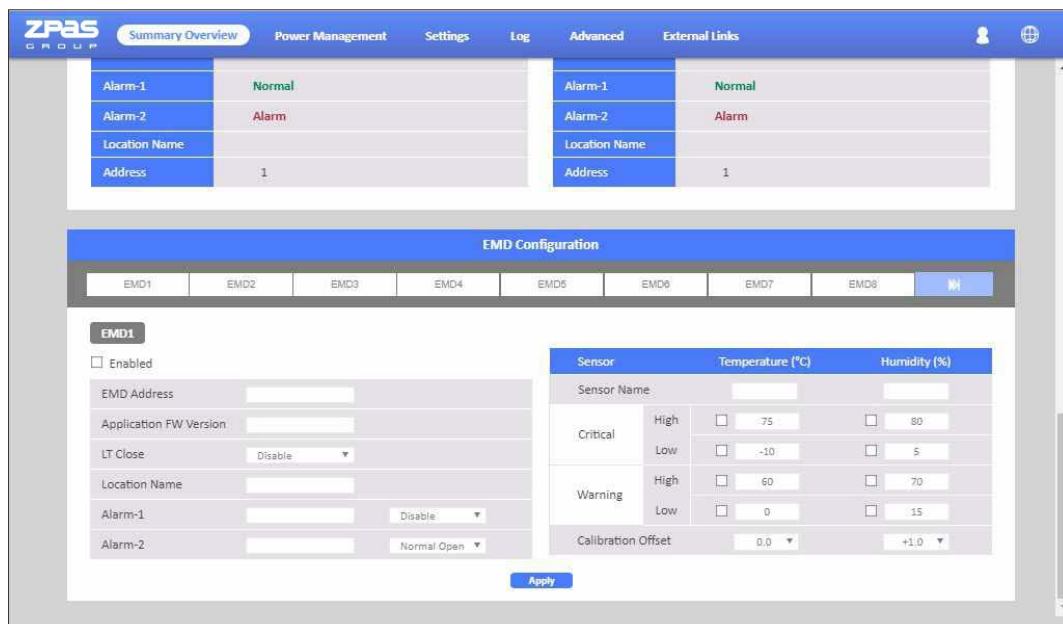
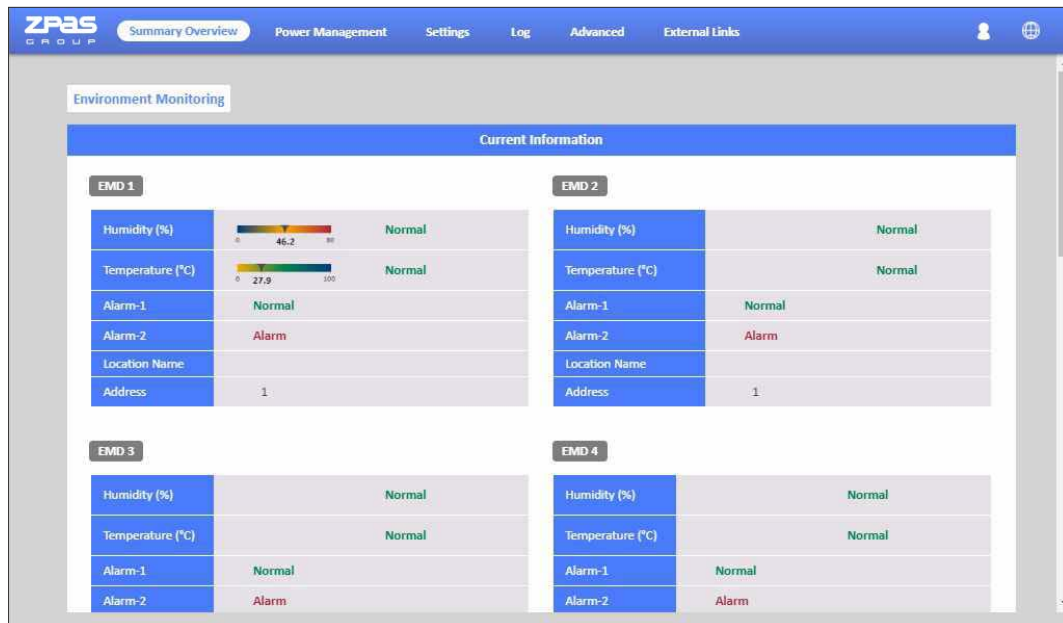
	Over Current Alarm (A)	Over Voltage Alarm (V)
Critical	16.00	250.0
Warning	13.00	245.0

Apply

Using the Web Interface

Power Management-Environment Monitoring

This page shows the status of EMD and lets users set the alarm configuration. You can set the "Alarm Condition" of "Critical" and "Warning". (The value of "Critical" must be larger than "Warning") It will follow the Email Notification rule you set to send out mails.

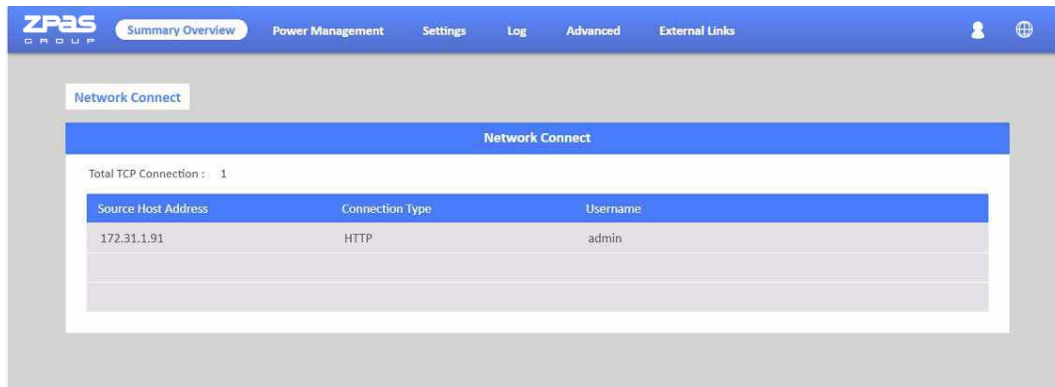


ZPAS GROUP PDU supports 8 EMD sensors in cascade each one with 2 digital inputs of . you can set 2 alarms for each EMD sensor. There are 3 op ons(Normal Open/Normal Close/Disable) of the EMD sensor. If you set "Normal Open", the EMD sensor will become "Warning"(Yellow light) when closed.

Using the Web Interface

Network-TCP/IP

This page lets users enable DHCP and set an IP address manually.

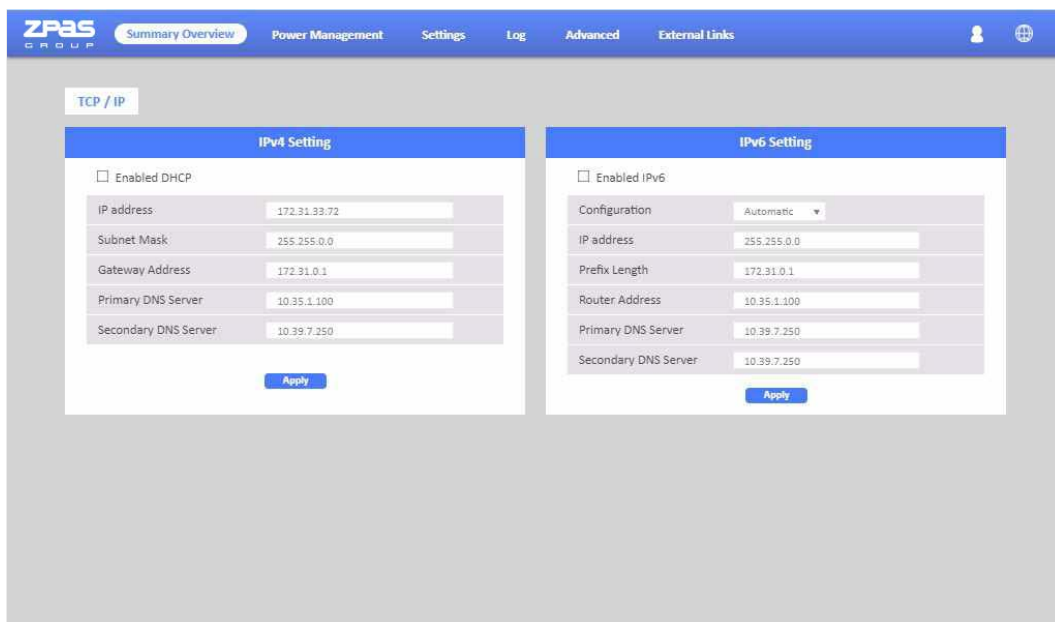


The screenshot shows the ZPAS Group web interface. The top navigation bar includes 'Summary Overview', 'Power Management', 'Settings', 'Log', 'Advanced', and 'External Links'. The 'Network Connect' tab is selected. Below the tab, there is a section titled 'Network Connect' with a sub-header 'Total TCP Connection : 1'. A table displays the connection details:

Source Host Address	Connection Type	Username
172.31.1.91	HTTP	admin

Network Management-Accessible IP Setting

This page lets users add/delete/modify accessible IP list.



The screenshot shows the ZPAS Group web interface with the 'TCP / IP' tab selected. The page is divided into two main sections: 'IPv4 Setting' and 'IPv6 Setting'.

IPv4 Setting:

- ☐ Enabled DHCP
- IP address: 172.31.33.72
- Subnet Mask: 255.255.0.0
- Gateway Address: 172.31.0.1
- Primary DNS Server: 10.35.1.100
- Secondary DNS Server: 10.39.7.250
- Apply**

IPv6 Setting:

- ☐ Enabled IPv6
- Configuration: Automatic
- IP address: 255.255.0.0
- Prefix Length: 172.31.0.1
- Router Address: 10.35.1.100
- Primary DNS Server: 10.39.7.250
- Secondary DNS Server: 10.39.7.250
- Apply**

Using the Web Interface

Network Management-Security

This page lets users enable DHCP and set an IP address manually.

The screenshot shows the 'Security' tab in the ZPAS Group web interface. The 'Network Access Protection' section is active, displaying options to enable Network Access Protection, SSH, SNMPv3, and HTTP(S). Each option has a dropdown menu for 'In' (set to 1 minute), 'after unsuccessful attempts for' (set to 5 times), and 'block the IP for' (set to 5 minutes). An 'Apply' button is at the bottom. The 'SSL Secure Certificate' section on the right explains that a secure certificate can be uploaded to access the administration interface via SSL. It includes a 'Certificate file' upload button and an 'Upgrade progress' indicator showing 'Writing image to flash'.

Network Management-Network Service

This page lets the user set SSH/SSL/Ping/RADIUS Setting. If a user wants to add Radius User(from Settings menu), they have to "Enable RADIUS" on this page first.

The screenshot shows the 'Network Service' tab in the ZPAS Group web interface. The 'SSH' section has a checkbox for 'Allow SSH Connection' and a 'Port Number' field set to 22. The 'SSL' section has a checkbox for 'Enabled Secure Connection(SSL)' and a 'Port Number' field set to 22, with an option for 'Force Secure Connection(SSL) Only'. The 'Ping' section has a checkbox for 'Allow Ping Echo'. The 'ModBus/TCP' section has a checkbox for 'Enabled ModBus/TCP' and a 'Port Number' field set to 502. The 'RADIUS Setting' section has a checkbox for 'Enabled RADIUS' and fields for 'Server IP Address' (22), 'Port Number' (22), 'Secret Key' (22), 'Timeout Interval' (22 Seconds), and 'Retry Times' (22). An 'Apply' button is at the bottom.

Using the Web Interface

Network Management-SNMP Segments

This page lets users set the SNMP Agent.

SNMP Setting

SNMP Agent

☐ Enable SNMP Service

Port Number:

SNMP Version:

Community Read:

Community Write:

Apply

SNMP Trap Setting

Receiver Address	Event Level	Trap Version	Description
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

Network Management-SNMP Trap Segmenting

This page lets users add/delete/modify SNMP trap settings.

SNMP Trap Setting

Receiver Address	Event Level	Trap Version	Description
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

Using the Web Interface

SiGns-General Segmenting

This page lets the user set General Settings.

The screenshot displays the ZPAS Group web interface. The top navigation bar includes links for Summary Overview, Power Management, Settings, Log, Advanced, and External Links. The main content area is titled 'General Setting' and is divided into two sections: 'System Administration' and 'Data and Time'. The 'System Administration' section contains fields for System Name, System Contact, System Location, Log Interval (60 Seconds), Web Refresh Interval (15 Seconds), Log Per Page (10), and Web Timeout Interval (15 Seconds). The 'Data and Time' section shows the Current Date and Time (2020/09/28 09:55:54), Time Zone (UTC+02:00 Copenhagen, Madrid, Paris), Date Format (yyyy/mm/dd), and Time Setting (24/5).

User management

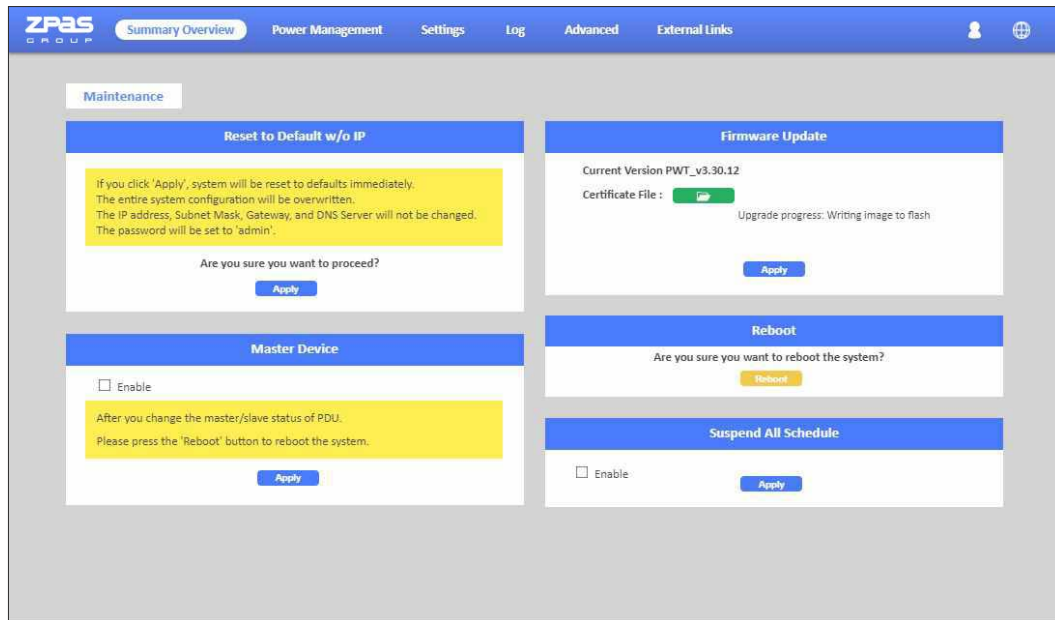
This page lets the user enable new users and passwords.

The screenshot displays the ZPAS Group web interface for user management. The top navigation bar is the same as the previous page. The main content area is titled 'User Setting' and is divided into three sections: 'Local User', 'Radius User', and 'Authentication Configuration'. The 'Local User' and 'Radius User' sections each contain a table with columns for Username and Privilege, and a checkbox for enabling the user. The 'Authentication Configuration' section is currently empty.

Using the Web Interface

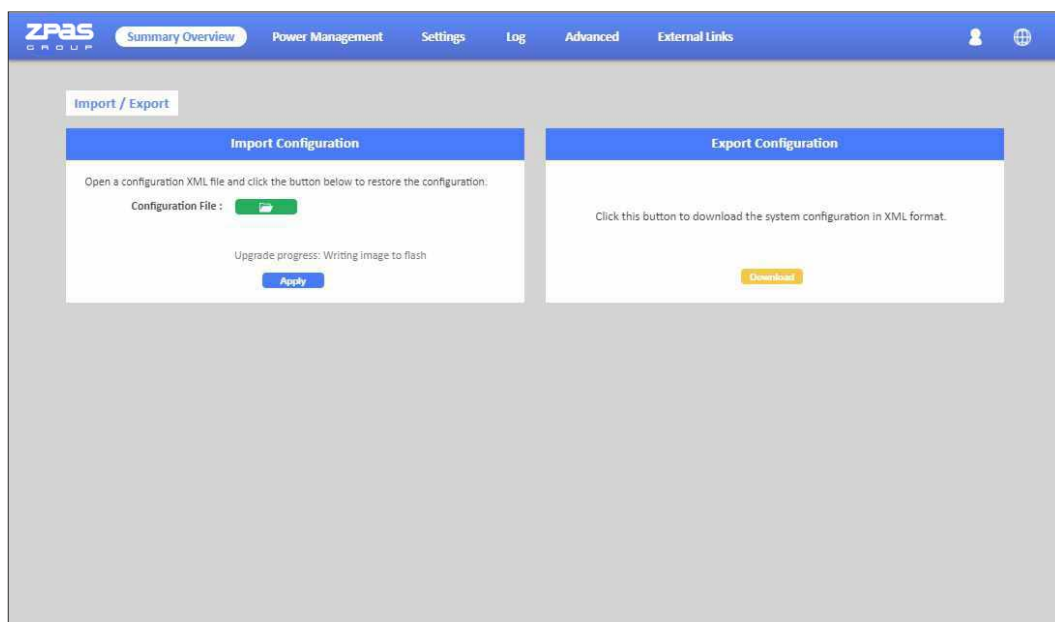
SiGns-Maintenance

This page lets the user set Reset/Upgrade/Reboot.



SeGments-Import/export

This page lets users import/export XML file to restore/download the configuration.



Using the Web Interface

SiGns-RADIUS User

This page lets power admin to Add/Delete/Modify Radius users.

You have to Enable RADIUS and set ready in the Network Service. Then you can add a Radius User and set outlet control for this user. The Grouping & Schedule function also supports radius users.

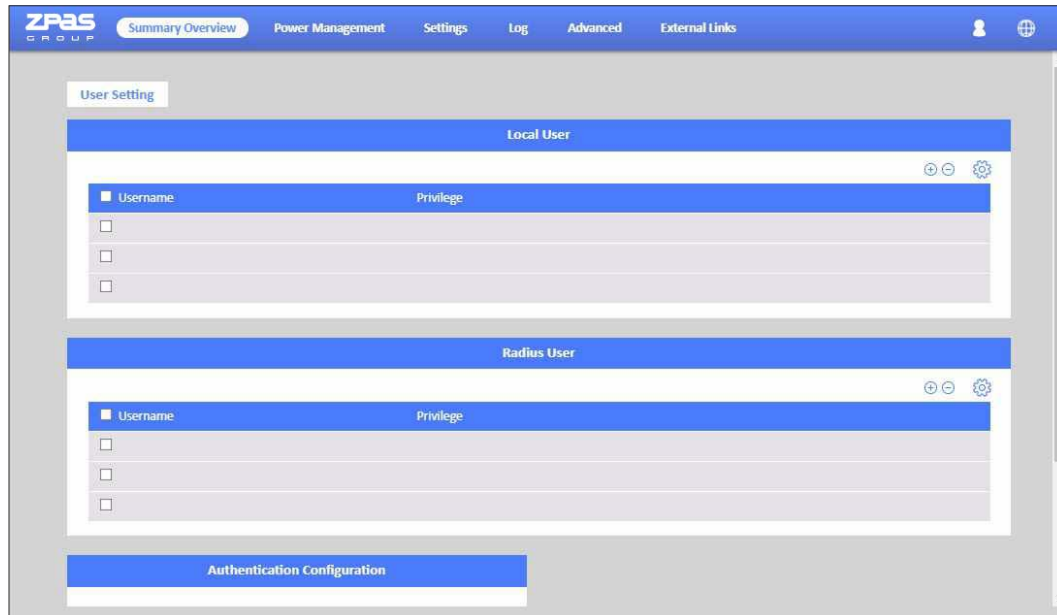
The screenshot displays the 'Network Service' configuration page in the ZPAS GROUP web interface. The page has a blue header with the ZPAS GROUP logo and navigation tabs: Summary Overview, Power Management, Settings, Log, Advanced, and External Links. A 'Network Service' tab is selected. The main content area is divided into four sections: SSH, ModBus/TCP, SSL, and RADIUS Setting. Each section contains checkboxes for enabling the service and input fields for port numbers and other parameters. An 'Apply' button is located at the bottom right of the configuration area.

Section	Option	Value
SSH	Allow SSH Connection	<input type="checkbox"/>
	Port Number	22
ModBus/TCP	Enabled ModBus/TCP	<input type="checkbox"/>
	Port Number	502
SSL	Enabled Secure Connection(SSL)	<input type="checkbox"/>
	Port Number	22
	Force Secure Connection(SSL) Only	<input type="checkbox"/>
RADIUS Setting	Enabled RADIUS	<input type="checkbox"/>
	Server IP Address	22
RADIUS Setting	Port Number	22
	Secret Key	22
	Timeout Interval	22 Seconds
	Retry Times	22

NOTE: If there are 2 users with the same name both existed in Local User & Radius User, Local user will become a priority in ZPAS GROUP PDU.

Using the Web Interface

SeNGS-LOCAL User



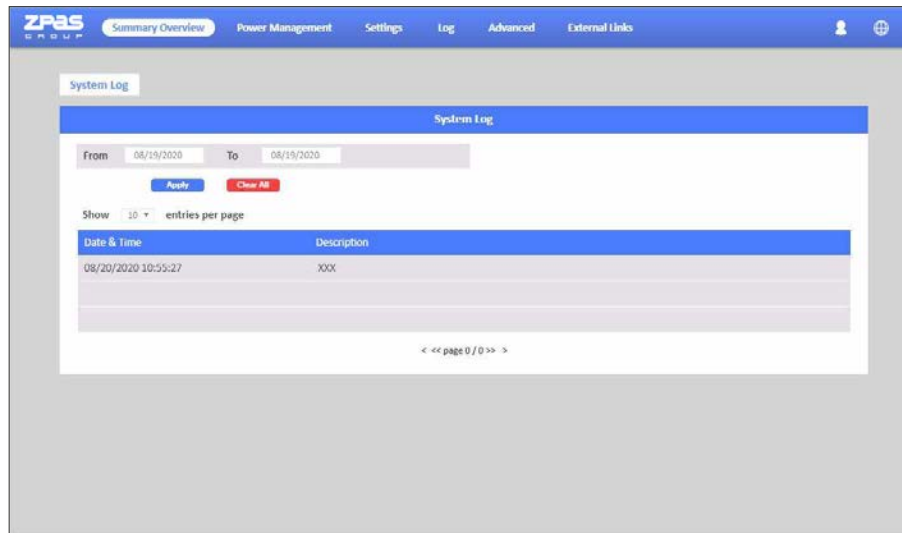
This page shows the user list and admin that can add/delete/modify it. The list can be up to 8 users. There are 4 kinds of privileges for the user account, the definition is as below:

Privilege	Definition
Power Admin	Users can manage all functions.
Admin	Admin users cannot manage [User Management], [Outlet Grouping], [FW Upgrade & Inlet/Outlet Upgrade], [Reset Default] function, and the others can still manage.
Supervision	Supervision users only manage [Power Monitoring] beside [Outlet Grouping], [Inlet/outlet upgrade] function.
User	Cannot manage any function. Read only.

Using the Web Interface

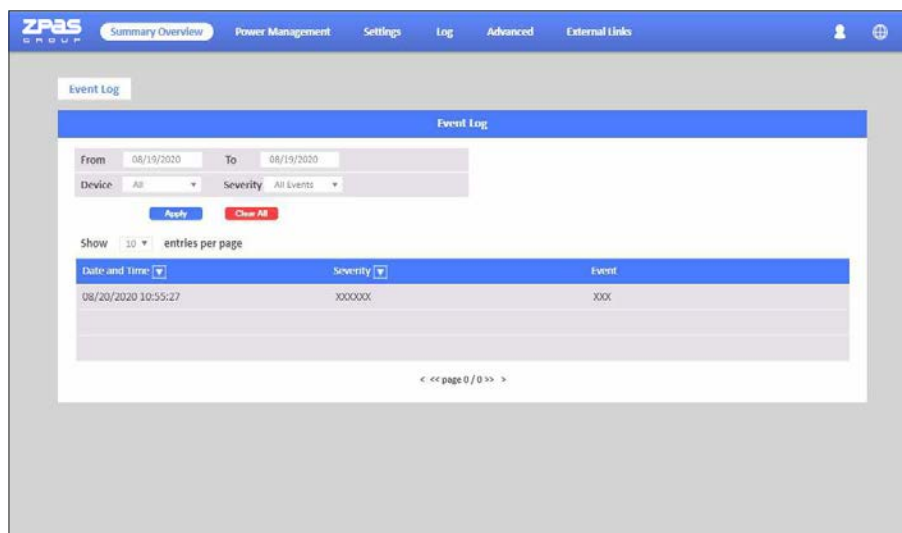
Log and Notification-System Log

This page shows the system log



Log and Notification-Event Log

This page shows the warnings and alarms history log.



Using the Web Interface

SiGns-Configure SMTP Server

This page let user configure SMTP server.

SNMP Setting

SNMP Agent

☐ Enable SNMP Service

Port Number: XXX

SNMP Version: v1

Community Read: XXX

Community Write: XXX

Apply

SNMP Trap Setting

Receiver Address	Event Level	Trap Version	Description
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

SeGments-Email Notification Settings

This page lets the user set Email notification settings. Click "+" to set a new setting. Input "Receiver Address", select "Email Type"/"Event Level" and "Description", then click "Apply" to save settings. You can send a test mail to confirm the setting is correct or not through clicking "Send Test". After setting well, you will get a notification email when the event has been triggered.

Email Settings

Configure SMTP Server

SMTP Server: XXXX

Port Number: 25

Sender Email Address: XXXXX@XXX.XXX

Prefix: XXX

☐ Enable SMTP Authentication

UserName: XXX

Password: *****

Apply

Email Notification Setting

Receiver Address	Email Type	Event Level	Description
<input type="checkbox"/> XXX.XXX.XXX	XXX	XXXX	X
<input type="checkbox"/>			
<input type="checkbox"/>			

Using the Web Interface

Log and Notification-Inlet History Log

This page shows the inlet history log. You can set the log interval in General Setting under the System Management.

The screenshot shows the 'Inlet History Log' page of the ZPAS web interface. The page has a blue header with the ZPAS logo and navigation tabs: Summary Overview, Power Management, Settings, Log, Advanced, and External Links. The main content area is titled 'Inlet History Log' and includes a search filter with 'From' and 'To' date pickers (both set to 08/19/2020) and a 'Device' dropdown menu (set to 'All'). Below the filters are 'Apply' and 'Clear All' buttons. A 'Show' dropdown is set to '10 entries per page'. The data table has columns: Date and Time, Device Name, Pwr.W, Pwr.Max.W, Ph1 I.A, Ph2 I.A, Ph3 I.A, Ph1 I Max.A, Ph2 I Max.A, and Ph3 I Max.A. The first row of data shows: 08/20/2020 10:55:27, PDU A, 0.0, 0.0, 0.00, 0.00, 0.00, 112.3, 99.9, 59.81. The page footer indicates '< << page 1 / 30 >> >'.

Date and Time	Device Name	Pwr.W	Pwr.Max.W	Ph1 I.A	Ph2 I.A	Ph3 I.A	Ph1 I Max.A	Ph2 I Max.A	Ph3 I Max.A
08/20/2020 10:55:27	PDU A	0.0	0.0	0.00	0.00	0.00	112.3	99.9	59.81

Log and Notification-Environment History Log

This page shows the environment history log. You can set the log interval in General Setting under System Management.

The screenshot shows the 'Environment Log' page of the ZPAS web interface. The page has a blue header with the ZPAS logo and navigation tabs: Summary Overview, Power Management, Settings, Log, Advanced, and External Links. The main content area is titled 'Environment Log' and includes a search filter with 'From' and 'To' date pickers (both set to 08/19/2020) and a 'Device' dropdown menu (set to 'All'). Below the filters are 'Apply' and 'Clear All' buttons. A 'Show' dropdown is set to '10 entries per page'. The data table has columns: Date and Time, Device, Temp.C, and Hum.%RH. The first row of data shows: 08/20/2020 10:55:27, XXX, XXX, XXX. The page footer indicates '< << page 0 / 0 >> >'.

Date and Time	Device	Temp.C	Hum.%RH
08/20/2020 10:55:27	XXX	XXX	XXX



More information at: www.zpasgroup.pl

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