



RPM30241EV6

RPM30242EV6

(Remote Power Manager)

User's Manual

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1. IMPORTANT SAFETY INSTRUCTIONS

This manual contains important instructions that should be followed during the installation and the operation of the Remote Power Manager (RPM).

SAVE THESE INSTRUCTIONS

An Important Notice

- To ensure safety a **Qualified Service Personnel** should perform the installation.
- Make sure that the AC Utility outlet is properly grounded.
- Do not open the unit there are no user serviceable parts inside. Servicing of RPM should be performed by Qualified Service Personnel Only.
- Please make sure that the input voltage of the RPM matches the supply voltage.
- Make sure the RPM is installed in the proper environment as specified.
- This RPM series is **ONLY** intended to be installed in an indoor temperature controlled environment that is free of conductive contaminants.
- Do not operate the RPM in: extremely dusty and/or unclean areas, locations near heating devices, water or excessive humidity, or where the RPM is exposed to direct sunlight.
- Select a location, which will provide good air circulation for the RPM at all times.
- **CAUTION** – To reduce the risk of fire, connect only to a branch circuit with over current protection in accordance with the National Electric Code.
- **CAUTION** - Connect the RPM to a two pole, three wire grounding AC wall outlet. The receptacle must be connected to the appropriate branch protection (circuit breaker or fuse). Connection to any other type of receptacle may result in a shock hazard and violate local electrical codes. Do not use extension cords, adapter plugs, or surge strips.
- Route power cords so they cannot be walked on or damaged.
- **CAUTION** - To reduce the risk of electrical shock with the installation of this RPM equipment and the connected equipment, the user must ensure that the combined sum of the AC leakage current does not exceed 3.5mA.
- **CAUTION** - To de-energize the outputs of the RPM: Disconnect the RPM from the AC wall outlet.
- **CAUTION** - Do not install this device if there is not at least 30 feet (10 meters) or more of wire between the electrical outlet and the electrical service panel.

Receiving Inspection

After removing your RPM from its carton, it should be inspected for damage that may have occurred in shipping. Immediately notify the carrier and place of purchase if any damage is found. Warranty claims for damage caused by the carrier will not be honored. The packing materials that your RPM was shipped in are carefully designed to minimize any shipping damage. In the unlikely case that the RPM needs to be returned to MINUTEMAN, please use the original packing material. Since MINUTEMAN is not responsible for shipping damage incurred when the system is returned, the original packing material is inexpensive insurance. **PLEASE SAVE THE PACKING MATERIALS!**

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2. Introduction

The RPM is an Internet ready device designed and equipped with an intelligent current-meter (True RMS) that will indicate the total power consumption of the RPM.

Features:

- Built-in Web Server to support Remote Power Management
- Local LED displays Amps, IP Address ,Temperature or Humidity
- Daily, Weekly, Monthly & Yearly Power Consumption Data
- 10/100 Base-T Ethernet Port
- IPv4 and IPv6 support
- SNMP support (v1,v2c,v3)
- Telnet, SSHv2 Encryption support
- Radius Authentication
- User Account for three different permissions management systems
- Alarm notification via Email, SNMP, Syslog, LED or audible alarm
- SSL Web Browser (Https) for set up and operation
- IP Address filtering
- Maximum 5000 entries for each power consumption Data and Event log
- Remote firmware upgrade support
- SNMP Heart Beat Trap available
- Reports in Fahrenheit or Celsius
- Export and Import RPM configuration
- True RMS current measurement
- Provides Voltage, Frequency, Power Factor, Active power, Apparent power and kWh information
- Remote outlet On/Off power switching
- Remote outlet current monitoring
- User defined alarm thresholds for Warning and Overload
- User defined power On/OFF sequence timing
- Timed & Scheduled On/Off/Reboot switching
- Alternative outlet restart mode: Memorize previous status, Always On or Always Off
- Ping-No-Answer alarm
- Outlet Action via Pre-set Event, Including Power Event, Environment Event and Receiving Trap from other devices
- Circuit Breaker protection
- Free bundle Management Utility

3. RPM Package

The standard RPM package contains a Remote Power Manager unit with supporting hardware. The contents of the package are:

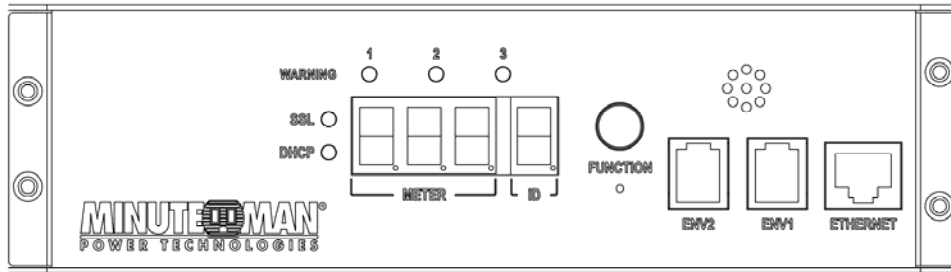
- Remote Power Manager Unit.
- The rackmount brackets are installed on the RPM.
- CD-ROM, which contains:
 - User Manual
 - RPM Utility Manual
 - Warranty Card
 - MIB files
 - RPM Utility Software
 - Adobe Acrobat Reader

4. Function

RPM30241EV6



RPM30242EV6



Functions	Description
Circuit Breakers	Overload protection.
LED Indicators	<ul style="list-style-type: none"> ON / OFF (green) LEDs: On means the outlet is active. Off means the outlet is not active. Threshold (red) LEDs: On means the current has exceed the threshold setting. Off means the current has not exceed the threshold setting. Warning (red) LED: On means the RPM is Overloaded. SSL (blue) LED: On means the web access is protected by SSL. DHCP (green) LED: On means the RPM gets its IP address by DHCP.
Meter	3 digits will display the current draw (in amps) or the IP Address or the temperature and humidity.
ID	1-digit will display the identification number of the RPM.
Function Button	<ul style="list-style-type: none"> Press and release the function button to turn off the audible alarm. Note: The overload alarm cannot be silenced. Press and hold the function button for 1 beep, then release will display the ID number, the temperature and the humidity for both of the Temperature/Humidity Probes. Press and hold the function button for 2 beeps, then release will display the IP address. Press and hold the function button for 3 beeps, then release will enable the SSL function. Press and hold the function button for 4 beeps, then release will change the way to set the IP address by either DHCP or fixed IP. Press and hold the function button for 6 beeps, then release resets the RPM back to the default setting.

ENV1 & ENV2	The two RJ11 ports are for the Temperature/Humidity probes.
Audible Alarm	<ul style="list-style-type: none"> • Warning- 1 beep per 1 second. • Overload- 3 beeps per 1 second. <p>Note: The audible alarm will continue to beep until the current is lower than the threshold by 0.5 amps.</p>
Ethernet	The RJ45 port is for the network communication.
Outlets A ~ X	Each individual outlet can be controlled and monitored.
Power Cord	Connect to utility power

5. Installation

This RPM series is **ONLY** intended to be installed in an indoor temperature controlled environment that is free of conductive contaminants. DO NOT operate the RPM in: extremely dusty and/or unclean areas, locations near heating devices, water or excessive humidity, or where the RPM is exposed to direct sunlight. Select a location, which will provide good air circulation for the RPM at all times. Route power cords so they cannot be walked on or damaged.

- To ensure safety a **Qualified Service Personnel** should perform the installation.
- Make sure that the AC Utility outlet is properly grounded.
- Do not install the RPM if there is not at least 30 feet (10 meters) or more of wire between the electrical outlet and the electrical service panel.

The RPM comes with the mounting brackets pre-installed. To mount the RPM into a rack perform the following procedure:

1. Select the desired location for the RPM.
2. Align the mounting holes of brackets with the notched hole on the vertical rail and attach with the retaining screws.
3. Connect the Ethernet cable to the RPM.
4. Connect the output devices to the RPM outlets.
5. Connect the input power cord of the RPM to the wall outlet.

Note 1:

The default setting for the IP address is DHCP enabled. If the RPM cannot get the IP from DHCP server, the IP address will stay at the **default IP address 192.168.0.216**

Note 2:

To setup the network system for RPM, it is strongly recommended to build up the power monitoring network system, which is isolated from the others, in order to maintain reliable system operation.

6. Web Interface

Login:

Enter the IP address of the RPM in a web browser.

Note:

The default setting for the IP address is DHCP enabled. If the RPM cannot get the IP from the DHCP server, the IP address will remain at the **default IP address 192.168.0.216**

The default user Name is **snmp**.

The default Password is **1234**.



Login Name:

Login Password:

Information: Overview

This section shows the information about the RPM Power, the last five events that have occurred, and the status of the individual outlets. Because different models provide different information, the model you have may not display the same information.

[Info.](#) [Logout](#)

Remote Power Manager

Information Management Configuration

Overview Power System Event Log Data Log

Summary		
Total RPM Current	0 Amp	Normal
Main Energy	274.061 kWh	
Temperature(1)	N/A	
Humidity(1)	N/A	
Temperature(2)	N/A	
Humidity(2)	N/A	

Event Log		
Date	Time	Event
2015/06/16	14:04:43	Web user [snmp] logged in from 71.252.131.146
2015/06/16	11:52:27	Web user [snmp] logged out from 71.252.131.146
2015/06/16	11:46:58	Web user [snmp] logged in from 71.252.131.146
2015/06/16	06:06:24	Web user [snmp] logged out from 192.168.0.1
2015/06/16	05:53:31	Web user [snmp] logged in from 192.168.0.1

Outlet Status			
No	Stats	Setting	Name
1			OutletA
2		E	OutletB
3			OutletC
4		E	OutletD
5			OutletE
6			OutletF
7			OutletG
8		E	OutletH
9			OutletI
10			OutletJ
11			OutletK
12			OutletL
13			OutletM
14		E	OutletN
15			OutletO
16			OutletP
17			OutletQ
18			OutletR
19			OutletS
20			OutletT
21			OutletU
22			OutletV
23			OutletW
24			OutletX

Status:Normal
2015/06/16 14:15:31

Outlet Status

Setting Column:

S	The schedule function is set. The RPM will execute the preset action according to the schedule.
P	The ping function is active. If the specified device stops responding to the ping, the RPM will execute the preset action according to the ping function.
E	The RPM will execute the preset action when the event occurs according to the event action..

Information: Power

This section shows the information about the power, the current draw and status for each individual outlet.

Power Information		Total	
Voltage :	111.2		V
Frequency :	59.98		Hz
Power Factor :	1		W/VA
Active Power :	0		W
Apparent Power :	0		VA
Main Energy :	274.061		kWh
Accumulated Energy :	0		kWh

Per Outlet Information			
No.	Outlet	Amp	Status
1	OutletA	0	Normal
2	OutletB	0	Normal
3	OutletC	0	Normal
4	OutletD	0	Normal
5	OutletE	0	Normal
6	OutletF	0	Normal
7	OutletG	0	Normal
8	OutletH	0	Normal
	Circuit1	0	Normal
9	OutletI	0	Normal
10	OutletJ	0	Normal
11	OutletK	0	Normal
12	OutletL	0	Normal
13	OutletM	0	Normal
14	OutletN	0	Normal
15	OutletO	0	Normal
16	OutletP	0	Normal
	Circuit2	0	Normal
17	OutletQ	0	Normal
18	OutletR	0	Normal
19	OutletS	0	Normal
20	OutletT	0	Normal
21	OutletU	0	Normal
22	OutletV	0	Normal
23	OutletW	0	Normal
24	OutletX	0	Normal
	Circuit3	0	Normal

Status:Normal 2015/06/16 14:22:21

Information: System

This section shows the information about the System, Network and SNMP:

System Information	
Model Number :	RPM30242EV6
Firmware Version :	Ver 1.03_1506151527
System Uptime :	System has been up for : 1 day(s) , 5 hour(s) , 55 minute(s) , 31 second(s) , since 06/15/2015 08:11:46 AM

Network Information	
IPv4 Address :	192.168.0.99
IPv6 Address :	192:168:2::127
MAC Address :	00:13:48:01:DD:61

SNMP Information	
System Name :	rpm
System Contact :	admin
System Location :	office

Status:Normal 2015/06/16 14:07:28

Information: Event Log

This table lists all the events that have occurred. The existing values are overwritten when the maximum number of entries (5000) has been reached. You can filter the log based on specific dates and times. The event logs can be downloaded and saved for future reference.

Remote Power Manager

Information Management Configuration

Overview Power System **Event Log** Data Log

Log Setting

Event Time : Last From All Logs to

Date	Time	Event
2015/03/20	11:00:50	OutletH has been turned on by (snmp)
2015/03/20	11:00:49	OutletG has been turned on by (snmp)
2015/03/20	11:00:48	OutletF has been turned on by (snmp)
2015/03/20	11:00:47	OutletE has been turned on by (snmp)
2015/03/20	11:00:46	OutletD has been turned on by (snmp)
2015/03/20	11:00:45	OutletC has been turned on by (snmp)
2015/03/20	11:00:44	OutletB has been turned on by (snmp)
2015/03/20	11:00:43	OutletA has been turned on by (snmp)
2015/03/20	11:00:33	OutletH has been turned off by (snmp)
2015/03/20	11:00:32	OutletG has been turned off by (snmp)

Filter Clear < >

Status:Normal 2015/03/20 11:28:29

Information: Data Log

This table lists all of the saved power and environmental data. The existing values are over written when the maximum number of entries (5000) has been reached. You can filter the log based on specific dates and times. The event logs can be downloaded and saved for future reference.

Remote Power Manager

Information Management Configuration

Overview Power System Event Log **Data Log**

Statistical Records

Total energy consumption	43.348kWh
Total carbon emission data	21.674kgs

Data Log

Log Filter 2015/03/25 00:00:00 to 2015/03/25 23:59:59 Filter

Date Time	kWh	V	Amp	Temp.-1.F	Temp.-2.F	Hum.-1.%	Hum.-2.%
2015/03/25 11:37:46	43.320	121.05	3.04	84.2	na	37	na
2015/03/25 11:27:46	43.275	120.77	3.03	84.2	na	39	na
2015/03/25 11:17:46	43.231	119.97	3.02	84.2	na	39	na
2015/03/25 11:07:45	43.187	119.90	3.02	84.2	na	39	na
2015/03/25 10:57:45	43.143	120.07	3.02	82.4	na	39	na
2015/03/25 10:47:45	43.099	120.20	3.02	82.4	na	39	na
2015/03/25 10:37:45	43.055	120.47	3.03	82.4	na	39	na
2015/03/25 10:27:44	43.010	120.43	3.03	82.4	na	39	na

Clear < >

Status:Normal 2015/03/25 11:44:16

Management: Control

This allows the specified users to control the outlets.

Select the outlet by checking the box and then click the ON or the OFF button to control the outlet.

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

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

Restart: Press the Restart button to reboot (off/on) the assigned outlets.

Make Group: Press the Make Group button to set up groups for the outlets.

Delete: Delete a group.

Rename: Rename a group.

Note:

After the RPM is plugged into the main power, the RPM will automatically start to sequentially turn on the outlets according to the preset delay time. The default setting for delay time is one second for each outlet; therefore the three circuits with 8 outlets each will take 8-seconds to complete the start-up sequence.

If the RPM is unplugged from the main power before the start-up sequence is completed, the outlets, which were not turned on will remain off. The next time the RPM is plugged into the main power, these outlets will not be automatically turned on. These outlets can only be turned on via the web interface.


The screenshot shows the 'Remote Power Manager' web interface. The top navigation bar includes 'Info.' and 'Logout'. The main menu has 'Information', 'Management' (selected), and 'Configuration'. Under 'Management', there are sub-menus: 'Control', 'Schedule', 'Ping Action', 'Event Action', 'Device', and 'Threshold'. The 'Control' section is active, showing buttons for 'ON', 'OFF', 'Restart', 'Delete', and 'Rename'. Below these buttons is a search field for 'Outlet'. A second 'Outlet Control' section shows 'ON', 'OFF', 'Restart', and 'Make Group' buttons. The main part of the interface is a table with 24 rows, each representing an outlet. The table columns are: No., Outlet, Status, Task, Delay On (Sec), Delay Off (Sec), and Load (Amp). All outlets are currently 'ON' and have a 'Free' task. The delay times range from 1 to 8 seconds, and the load is 0 Amp for all.

No.	Outlet	Status	Task	Delay On (Sec)	Delay Off (Sec)	Load (Amp)
1	OutletA	ON	Free	1	1	0
2	OutletB	ON	Free	2	2	0
3	OutletC	ON	Free	3	3	0
4	OutletD	ON	Free	4	4	0
5	OutletE	ON	Free	5	5	0
6	OutletF	ON	Free	6	6	0
7	OutletG	ON	Free	7	7	0
8	OutletH	ON	Free	8	8	0
9	OutletI	ON	Free	1	1	0
10	OutletJ	ON	Free	2	2	0
11	OutletK	ON	Free	3	3	0
12	OutletL	ON	Free	4	4	0
13	OutletM	ON	Free	5	5	0
14	OutletN	ON	Free	6	6	0
15	OutletO	ON	Free	7	7	0
16	OutletP	ON	Free	8	8	0
17	OutletQ	ON	Free	1	1	0
18	OutletR	ON	Free	2	2	0
19	OutletS	ON	Free	3	3	0
20	OutletT	ON	Free	4	4	0
21	OutletU	ON	Free	5	5	0
22	OutletV	ON	Free	6	6	0
23	OutletW	ON	Free	7	7	0
24	OutletX	ON	Free	8	8	0

At the bottom of the interface, the status is 'Normal' and the timestamp is '2015/06/16 14:23:41'.

Make Group: This allows the administrator to assign the outlets to make a group. Click on the Group button. Name the group (36 characters max), select the outlets to include in the group and click Add. Select the check box by the group that you want to control.

[Info.](#) [Logout](#)

Remote Power Manager


Information
Configuration
Management

Control
Schedule Ping Action Event Action Device Threshold

Outlet Control

No.	<input type="checkbox"/>	Group	Outlet
01	<input checked="" type="checkbox"/>	Para	OutletA(1) OutletL(12) OutletW(23)

Outlet Control

No.	<input type="checkbox"/>	Outlet	Status	Task	Delay On (Sec)	Delay Off (Sec)	Load (Amp)
1	<input type="checkbox"/>	OutletA	OFF	Free	1	1	0
2	<input type="checkbox"/>	OutletB	ON	Free	2	2	0
3	<input type="checkbox"/>	OutletC	ON	Free	3	3	0
4	<input type="checkbox"/>	OutletD	ON	Free	4	4	0
5	<input type="checkbox"/>	OutletE	ON	Free	5	5	0
6	<input type="checkbox"/>	OutletF	ON	Free	6	6	0
7	<input type="checkbox"/>	OutletG	ON	Free	7	7	0
8	<input type="checkbox"/>	OutletH	ON	Free	8	8	0
9	<input type="checkbox"/>	OutletI	ON	Free	1	1	0
10	<input type="checkbox"/>	OutletJ	ON	Free	2	2	0
11	<input type="checkbox"/>	OutletK	ON	Free	3	3	0
12	<input type="checkbox"/>	OutletL	OFF	Free	4	4	0
13	<input type="checkbox"/>	OutletM	ON	Free	5	5	0
14	<input type="checkbox"/>	OutletN	ON	Free	6	6	0
15	<input type="checkbox"/>	OutletO	ON	Free	7	7	0
16	<input type="checkbox"/>	OutletP	ON	Free	8	8	0
17	<input type="checkbox"/>	OutletQ	ON	Free	1	1	0
18	<input type="checkbox"/>	OutletR	ON	Free	2	2	0
19	<input type="checkbox"/>	OutletS	ON	Free	3	3	0
20	<input type="checkbox"/>	OutletT	ON	Free	4	4	0
21	<input type="checkbox"/>	OutletU	ON	Free	5	5	0
22	<input type="checkbox"/>	OutletV	ON	Free	6	6	0
23	<input type="checkbox"/>	OutletW	OFF	Free	7	7	0
24	<input type="checkbox"/>	OutletX	ON	Free	8	8	0

Status:Normal
2015/06/17 16:47:17

Management: Schedule

This allows the administrator to schedule turning OFF/ON the RPM's outlets.


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

Outlet Action: Select the action you want to occur.

Date: When selecting the Once option a specific date must be entered. When selecting the 'Every' option you can set the schedule for an outlet using an assigned weekly day, or every day.

Time: Set the time for the action to occur.

[Info.](#) → [Logout](#)

Remote Power Manager


Information **Management** Configuration

Control **Schedule** Ping Action Event Action Device Threshold

Schedule Setting

Outlet :	OutletA (1) ▼
Outlet Action :	ON ▼
Date : (yyyy/mm/dd)	<input checked="" type="radio"/> Once: <input type="text"/> <input type="radio"/> Every: Sunday ▼
Time : (hh:mm)	<input type="text"/>
<input type="button" value="Add"/> <input type="button" value="Modify"/>	

Schedule List

No.	<input type="checkbox"/>	Outlet	Date	Time	Action
01	<input type="checkbox"/>	OutletA (1)	2015/03/20	12:35	OFF/ON

Status:Normal 2015/03/20 11:45:25

Management: Ping Action

This allows the administrator to Ping the device that is connected to a specific outlet and if there is no response the RPM will automatically cycle power to a locked device connected to the specified outlet by rebooting the outlet.

Outlet: Select which outlet to perform the Outlet Action.

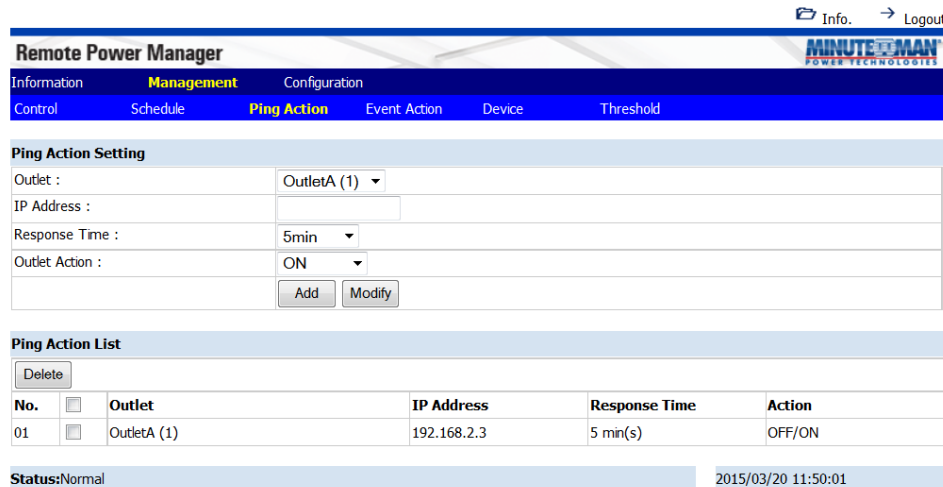
IP Address: Set the IP address of the device to be monitored by the RPM.

Response 5 minutes: The RPM will ping the assigned IP address once each minute. If the device does not respond, then the RPM will repeat the ping once every minute, if the device does not respond after 5 attempts (5 minutes), the RPM will carry out the assigned action automatically.

Action: Select the outlet action "OFF, ON, ON/OFF or "OFF/ON"

Add: Enables this function.

To delete a Ping action, select the action from the list and select Delete.



The screenshot shows the 'Remote Power Manager' web interface. At the top right, there are links for 'Info.' and 'Logout'. The main navigation bar includes 'Information', 'Management' (highlighted), and 'Configuration'. Below this, a sub-menu contains 'Control', 'Schedule', 'Ping Action' (highlighted), 'Event Action', 'Device', and 'Threshold'. The 'Ping Action Setting' section contains a form with the following fields: 'Outlet :' (dropdown menu showing 'OutletA (1)'), 'IP Address :' (text input field), 'Response Time :' (dropdown menu showing '5min'), and 'Outlet Action :' (dropdown menu showing 'ON'). There are 'Add' and 'Modify' buttons below the form. The 'Ping Action List' section features a 'Delete' button and a table with the following data:

No.	<input type="checkbox"/>	Outlet	IP Address	Response Time	Action
01	<input type="checkbox"/>	OutletA (1)	192.168.2.3	5 min(s)	OFF/ON

At the bottom left, the status is 'Normal', and at the bottom right, the timestamp is '2015/03/20 11:50:01'.

Management: Event Action

This allows the administrator to setup specific actions based on a selected event. The RPM can also receive SNMP traps from a specified device and then perform the selected action.

Event

Device: When the current for entire RPM exceeds the Warning or Overload thresholds the RPM will perform the action setup under the Action.

Outlet: When the current for an individual outlet exceeds the Warning or Overload thresholds the RPM will perform the action setup under the Action.

ENV: When the temperature or humidity exceeds the thresholds the RPM will perform the action setup under the Action.

Receive Trap: When the RPM receives a trap from the specified device the RPM will perform the action setup under the Action. Enter the specific trap OID information and the IP address of the device sending the trap to the RPM.

Action: The RPM will perform the action based on the configured event.



Once the Event and the Action have been setup click Add to saving the settings.

Note:

To setup the thresholds for the Device, the Outlets or the ENV, see the Management Threshold section.

The **Event Address List** provides a list of all of the configured events. To delete an event select the box in front of the event then click Delete.

[Info.](#) [Logout](#)

Information
Management
Configuration

Control
Schedule
Ping Action
Event Action
Device
Threshold

Event Action Setting

Event :	<input type="radio"/>	Device	Warning threshold	Occurs
	<input type="radio"/>	Circuit1	Warning threshold	Occurs
	<input type="radio"/>	OutletA	Warning Threshold	Occurs
	<input type="radio"/>	ENV (1)	Temperature Overrun	Occurs
	<input type="radio"/>	Receive Trap .1.3.6.1.4.1.	Value Ignore	

Action : All Outlet delay second(s) turn ON None

Event Address List

No.	<input type="checkbox"/>	Event	Action
01	<input type="checkbox"/>	Receive Trap .1.3.6.1.4.1.2254.2.4.20.0.3 from 192.168.2.16	OutletH (8) delay 1 second(s) and turn ON (Override)
02	<input type="checkbox"/>	Receive Trap .1.3.6.1.4.1.2254.2.4.20.0.4 from 192.168.2.16	OutletH (8) delay 30 second(s) and turn OFF (Override)
03	<input type="checkbox"/>	ENV (1) over the temperature overrun removed	OutletB (2) delay 1 second(s) and turn ON
04	<input type="checkbox"/>	ENV (1) over the temperature overrun occurs	OutletB (2) delay 5 second(s) and turn OFF
05	<input type="checkbox"/>	OutletN over the overload threshold removed	OutletN (14) delay 1 second(s) and turn ON
06	<input type="checkbox"/>	OutletN over the overload threshold occurs	OutletN (14) delay 5 second(s) and turn OFF
07	<input type="checkbox"/>	Circuit (1) over the overload threshold removed	OutletD (4) delay 1 second(s) and turn ON
08	<input type="checkbox"/>	Circuit (1) over the overload threshold occurs	OutletD (4) delay 5 second(s) and turn OFF

Status: Normal
2015/06/16 14:15:06

Management: Device

This allows the administrator to configure the outlet name, the delay time and setup different users for specific outlets.

Outlet Configuration

Outlet Name: Rename the outlet.

Delay ON: Set the delay time in seconds for the power on sequence.

Delay OFF: Set the delay time in seconds for the power off sequence.

After Restart: Set the desired status you want the outlet to be after the outlet has been restarted.

Owner: The administrator can setup different users for specific outlets. The user accounts must be setup first, see the Configuration User tab.

Click Apply to save the settings, once the setup is complete.

Note:

The maximum delay times are 9999 seconds.

Energy Configuration

Carbon Emission Rate: Set the Carbon Emission Rate and then select Apply to saving the setting.

The screenshot shows the 'Remote Power Manager' web interface. At the top, there are navigation tabs: Information, Management (selected), and Configuration. Under 'Management', there are sub-tabs: Control, Schedule, Ping Action, Event Action, Device (selected), and Threshold. The main content area is titled 'Outlet Configuration' and contains a table with the following columns: No., Outlet Name, Delay On(seconds), Delay Off(seconds), After Restart, and Owner. The table lists 25 outlets (No. 0 to 24) with names from 'All Outlet' to 'OutletX'. Each row has input fields for 'Delay On' and 'Delay Off', a dropdown for 'After Restart' (all set to 'Last Status'), and a dropdown for 'Owner' (all set to 'snmp'). An 'Apply' button is located at the bottom right of the table. Below the table is the 'Energy Configuration' section, which has a 'Device' dropdown set to 'Carbon Emission Rate' and an input field for '0.5', with an 'Apply' button. At the bottom, the status is 'Normal' and the timestamp is '2015/06/16 14:24:45'.

No.	Outlet Name	Delay On(seconds)	Delay Off(seconds)	After Restart	Owner
0	All Outlet			Last Status	snmp
1	OutletA	1	1	Last Status	snmp
2	OutletB	2	2	Last Status	snmp
3	OutletC	3	3	Last Status	snmp
4	OutletD	4	4	Last Status	snmp
5	OutletE	5	5	Last Status	snmp
6	OutletF	6	6	Last Status	snmp
7	OutletG	7	7	Last Status	snmp
8	OutletH	8	8	Last Status	snmp
9	OutletI	1	1	Last Status	snmp
10	OutletJ	2	2	Last Status	snmp
11	OutletK	3	3	Last Status	snmp
12	OutletL	4	4	Last Status	snmp
13	OutletM	5	5	Last Status	snmp
14	OutletN	6	6	Last Status	snmp
15	OutletO	7	7	Last Status	snmp
16	OutletP	8	8	Last Status	snmp
17	OutletQ	1	1	Last Status	snmp
18	OutletR	2	2	Last Status	snmp
19	OutletS	3	3	Last Status	snmp
20	OutletT	4	4	Last Status	snmp
21	OutletU	5	5	Last Status	snmp
22	OutletV	6	6	Last Status	snmp
23	OutletW	7	7	Last Status	snmp
24	OutletX	8	8	Last Status	snmp

Energy Configuration

Device: Carbon Emission Rate 0.5 Apply

Status: Normal 2015/06/16 14:24:45

Note:

After the RPM is plugged into the main power, the RPM will automatically start to sequentially turn on the outlets according to the preset delay time. The default setting for delay time is one second for each outlet; therefore the three circuits with 8 outlets each will take 8-seconds to complete the start-up sequence.

If the RPM is unplugged from the main power before the start-up sequence is completed, the outlets, which were not turned on will remain off. The next time the RPM is plugged into the main power, these outlets will not be automatically turned on. These outlets can only be turned on via the web interface.

Management: Threshold

This allows the administrator to configure the thresholds for the environmental probe, the entire RPM and each individual outlet.

ENV Threshold Configuration: Set the lower and upper thresholds for the optional environmental probe then click Modify to change the settings. Once these thresholds are set see the management Event Actions to configure the actions based on these thresholds.

Device Threshold Configuration: Set the warning and overload thresholds for entire RPM then click Modify to change the settings. Once these thresholds are set see the management Event Actions to configure the actions based on these thresholds.

Outlet Threshold Configuration: Set the warning and overload thresholds for each individual outlet then click Modify to change the settings. Once these thresholds are set see the Management Event Actions to configure the actions based on these thresholds.

The screenshot displays the 'Remote Power Manager' web interface. At the top, there are navigation tabs: Information, Management (highlighted), and Configuration. Below these are sub-tabs: Control, Schedule, Ping Action, Event Action, Device, and Threshold (highlighted). The main content area is divided into four sections, each with a table and a 'Modify' button:

- ENV Threshold Configuration:** A table with columns for No., Device, Temperature (°C) (Lower, Upper), and Humidity (%) (Lower, Upper). Two rows are shown for ENV 1 and ENV 2.
- Device Threshold Configuration:** A table with columns for No., Device, Warning, and Overload. One row is shown for the Device.
- Branch Threshold Configuration:** A table with columns for No., Branch Name, Warning, and Overload. Three rows are shown for Circuit1, Circuit2, and Circuit3.
- Outlet Threshold Configuration:** A table with columns for No., Outlet Name, Warning, and Overload. Twenty-four rows are shown for Outlets A through X.

At the bottom of the interface, the status is 'Normal' and the timestamp is '2015/06/16 14:19:57'.

Configuration: Network

This allows the administrator to configure the network settings.

TCP/IP Settings for IPv4

Host Name: The host name of the RPM.

DHCP Client: Enable/Disable DHCP to get the IP address from a DHCP server. The default setting for DHCP is enabled.

IP Address: The IP address of the RPM. The default static IP address is 192.168.0.216.

Subnet Mask: The subnet mask for your network.

Gateway IP: The IP address of the IVP4 network gateway.

DNS Server1: The IP address of the primary DNS server.

DNS Server1: The IP address of the secondary DNS server.

Once the information has been entered click Apply to save the settings.

TCP/IP Settings for IPv6

DHCP Client: Enable/Disable DHCP to get the IP address from DHCP server. The default setting for the IPv6 DHCP is disabled.

IP Address: The IPv6 address of the RPM.

Default Gateway Address: The IP address of the IPv6 network gateway.

Once the information has been entered click Apply to save the settings.

The screenshot displays the 'Remote Power Manager' web interface. At the top right, there are links for 'Info.' and 'Logout'. The main navigation bar includes 'Information', 'Management', and 'Configuration'. Under 'Configuration', there are sub-menus for 'Network', 'Security', 'User', 'Mail', 'SNMP', 'Time', 'Radius', 'Log', and 'System'. The 'Network' menu is currently selected.

The 'IPv4 Configuration' section contains the following fields:

Hostname	rpm
DHCP enable	<input type="radio"/> Active <input checked="" type="radio"/> Inactive
IP Address	192.168.2.23
Subnet Mask	255.255.255.0
Default Gateway Address	192.168.2.1
DNS Server 1	2.2.2.2
DNS Server 2	2.2.2.1

An 'Apply' button is located below the IPv4 configuration fields.

The 'IPv6 Configuration' section contains the following fields:

IPv6 enable	<input type="checkbox"/>
Manual Configuration Address	<input type="text"/> / <input type="text"/>
Default Gateway Address	<input type="text"/>

An 'Apply' button is located below the IPv6 configuration fields.

At the bottom of the page, the status is 'Normal' and the timestamp is '2015/03/20 12:12:53'.

Configuration: Security

This allows the administrator to configure the security settings to prevent unauthorized users from accessing the RPM.

HTTP Configuration

Server: Enabling or disabling the HTTP connection with the RPM.

SSL: Enable or Disable the SSL function. The user may configure HTTPS protocol to use a port number other than standard HTTPS port (443).

Redirect HTTP to HTTPS: Change from the standard HTTP protocol to the HTTPS protocol.

Port Number: The user may configure port number for the HTTP port (default: 80) or the port number for the HTTPS port (default: 443).

Once the information has been entered click Apply to save the settings.

Telnet Configuration

Server: Enabling or disabling the Telnet connection with the RPM.

SSH: Enabling or disabling the SSH connection with the RPM.

Port Number: The user may configure Telnet protocol to use a port number other than standard Telnet port (23).

Once the information has been entered click Apply to save the settings.

IP Filter: Use the IP filter to lockout unauthorized users. Once the information has been entered click Add to save the settings.

The screenshot shows the 'Remote Power Manager' web interface. At the top right, there are links for 'Info.' and 'Logout'. The main navigation bar includes 'Information', 'Management', and 'Configuration'. Under 'Configuration', there are sub-menus for 'Network', 'Security' (which is highlighted), 'User', 'Mail', 'SNMP', 'Time', 'Radius', 'Log', and 'System'. The 'Security' section is divided into three main areas: 'HTTP Configuration', 'Telnet Configuration', and 'IP Filter'.
The 'HTTP Configuration' section has four rows: 'Server' with a dropdown menu set to 'Enable', 'SSL' with an unchecked checkbox, 'Redirect HTTP to HTTPS' with an unchecked checkbox, and 'Port Number' with a text input field containing '80'. An 'Apply' button is located below these fields.
The 'Telnet Configuration' section has three rows: 'Server' with a dropdown menu set to 'Enable', 'SSH' with an unchecked checkbox, and 'Port Number' with a text input field containing '23'. An 'Apply' button is located below these fields.
The 'IP Filter' section consists of a single text input field and an 'Add' button.
At the bottom of the page, there is a status bar showing 'Status:Normal' on the left and the date/time '2014/12/11 08:40:25' on the right.

Configuration: User

This allows the administrator to add users and give them specific rights.

No.: This is the number of users. The maximum number of users is eight.

User: This is the user's login name. The default administrator's name is **snmp**.

Password: This is the user's login password. The default password for the administrator is **1234**.

Permission:

Administrator: Full authority to monitor, control and configure RPM. Default name is **snmp** and the default password is **1234**.

Power user: Monitor the RPM, control the specified outlets. No permission to configure RPM. Default password is password.

View Only: Monitor the RPM only. No permission to control or configure the RPM. Default password is password.

Email: Enter an email address for the recipient you want to receive the notification.

To add a new user:

1. Enter the user name and then click New.
2. Enter the password
3. Confirm the password
4. Select the Permission rights
5. Enter the email address if the user is to receive emails
6. Select the pencil icon (Modify) to save the settings.

Select the X icon (Delete) to delete a user.

Note:

See the Management Device tab to give each user rights to specific outlets.

Info. → Logout

Remote Power Manager MINUTE MAN POWER TECHNOLOGIES

Information Management **Configuration**

Network Security **User** Mail SNMP Time Radius Log System

Users (Max. 8 users)

No.	User	New Password	Confirm	Permission	Email		
01	snmp			Administrator	name@companyname.com		
02	para			Power User ▾	name@companyname.com		
03	man			Power User ▾	name@companyname.com		
04	gen			View Only ▾			
							<input type="button" value="New"/>

Status: Normal 2015/05/12 15:56:27

Configuration: Mail

This allows the administrator to setup the email notification. When an event occurs, the RPM can send out email messages to predefined accounts.

Email Server: Enter the Hostname or IP address of the SMTP Mail Server that will be used to send emails. If entering a Hostname, you are also required to enter the DNS Address, see the Configuration Network tab.

Port: Enter the port number for the SMTP server. The default port is 25.

TLS/SSL: Check this box if using secure email.

Email Server Requires Authorization: Check this box if the Mail Server requires authentication to send emails.

Account Name: Enter the account name if SMTP authentication is required.

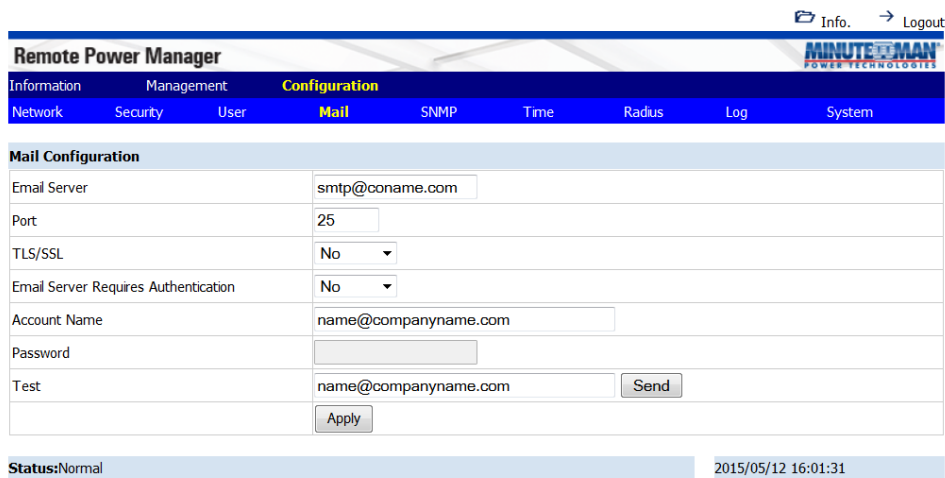
Password: Enter the password if SMTP authentication is required.

Test: Input the recipient's email address.

Click on the Send button to send the test email.

Click Apply to save all of the settings.

The email message format is as follows:
Indicates the Outlets A ~ H-XXXXXXXX status in order
When X=0: It means the outlet is off.
When X=1: It means the outlet is on.



The screenshot shows the 'Mail Configuration' page in the Remote Power Manager interface. The page has a blue header with 'Remote Power Manager' and 'MINUTE MAN POWER TECHNOLOGIES' logos. Below the header is a navigation bar with tabs for Information, Management, and Configuration. Under Configuration, there are sub-tabs for Network, Security, User, Mail (selected), SNMP, Time, Radius, Log, and System. The main content area is titled 'Mail Configuration' and contains several input fields: 'Email Server' (smtp@coname.com), 'Port' (25), 'TLS/SSL' (No), 'Email Server Requires Authentication' (No), 'Account Name' (name@companyname.com), 'Password' (empty), and 'Test' (name@companyname.com). There are 'Send' and 'Apply' buttons. At the bottom, there is a status bar showing 'Status:Normal' and a timestamp '2015/05/12 16:01:31'.

NOTE:

The email recipient's email address must be entered in the Configuration User tab.

Configuration: SNMP

The RPM supports the SNMPv1, v2c and v3 traps to satisfy most of the user's environment. This allows the administrator to setup the SNMP Traps. When an event occurs, the RPM can send out SNMP Traps to predefined targets.

Once the SNMP configuration is complete click the Apply button to save the settings.

[Info](#) → [Logout](#)

Remote Power Manager
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POWER MANAGEMENT

Information
Management
Configuration

Network
Security
User
Mail
SNMP
Time
Radius
Log
System

SNMP Configuration

SNMP enable Active Inactive

System Name

System Contact

System Location

Communication Configuration v1 & v2

No.	Access Type	Community
1.	read-only	public
2.	read-write	private
3.	Not Accessible	
4.	Not Accessible	
5.	Not Accessible	
6.	Not Accessible	
7.	Not Accessible	
8.	Not Accessible	

Communication Configuration v3

No.	Access Type	User	Auth Type	Authentication	Encryption
1.	Not Accessible		noauth	MD5	AES
2.	Not Accessible		noauth	MD5	AES
3.	Not Accessible		noauth	MD5	AES
4.	Not Accessible		noauth	MD5	AES
5.	Not Accessible		noauth	MD5	AES
6.	Not Accessible		noauth	MD5	AES
7.	Not Accessible		noauth	MD5	AES
8.	Not Accessible		noauth	MD5	AES

Trap Configuration v1 & v2

No.	Enable	IP Address	Community
1.	Yes	192.168.2.3	public
2.	No		
3.	No		
4.	No		

Trap Configuration v3

No.	Enable	IP Address	User	Auth Type	Authentication	Encryption
1.	Yes	192.168.2.4		auth	MDS	AES
2.	No			noauth	MDS	AES
3.	No			noauth	MDS	AES
4.	No			noauth	MDS	AES

Status: Normal
2015/03/20 12:26:05


Configuration: Time

This allows the administrator to setup the system time for the scheduled events.

Time Configuration: Set the date and time manually, and then click the Apply button to save the settings.

SNTP Configuration: Activate and then setup the Timeserver. Click the Apply button to save the settings.

Info. → Logout

Remote Power Manager 

Information Management **Configuration**

Network Security User Mail SNMP **Time** Radius Log System

Time Configuration

Set Date	2015 year 03 month 20 day
Set Time	12 : 31 : 20 (hh:mm:ss)
<input type="button" value="Apply"/>	

SNTP Configuration

SNTP	<input type="radio"/> Active <input checked="" type="radio"/> Inactive
Primary Timer Server	<input type="text" value="pool.ntp.org"/>
Secondary Time Server	<input type="text" value="asia.pool.ntp.org"/>
Time Between Automatic Updates	10 mins ▾
Time Zone (Relative to GMT)	GMT ▾
<input type="button" value="Apply"/>	

Status:Normal 2015/03/20 12:31:25

Configuration: Radius

This allows the administrator to configure the RADIUS parameters. Remote Authentication Dial-In User Service (RADIUS) is a widely deployed protocol enabling centralized authentication, authorization, and accounting for network access.

RADIUS: Enable or Disable the RADIUS function.

Primary Server: Input the Primary Server's IP address.

Shared Secret: Input the Shared Secret of Primary Server.

Port: Input the RADIUS UDP port for the primary server.

Timeout: Set the packet timeout interval.

Retries: Set the number of retries before locking out the user.

Secondary Server: Input the Secondary RADIUS Server's IP address.

Shared Secret: Input the Shared Secret of Secondary Server.

Port: Input the RADIUS UDP port for the secondary server.

Timeout: Set the packet timeout interval.

Retries: Set the number of retries before locking out the user.

Click on the **Apply** button to save the changes.

The screenshot shows the 'Remote Power Manager' web interface. At the top right, there are links for 'Info.' and 'Logout'. Below the title bar, a navigation menu includes 'Information', 'Management', and 'Configuration'. Under 'Configuration', there are sub-menus for 'Network', 'Security', 'User', 'Mail', 'SNMP', 'Time', 'Radius', 'Log', and 'System'. The 'Radius' menu item is highlighted. The main content area is titled 'Radius Configuration' and contains a form with the following fields: 'RADIUS' (a dropdown menu set to 'Disable'), 'Primary Server' (text input), 'Shared Secret' (text input), 'Port' (text input), 'Timeout' (text input), 'Retries' (text input), 'Secondary Server' (text input), 'Shared Secret' (text input), 'Port' (text input), 'Timeout' (text input), and 'Retries' (text input). An 'Apply' button is located at the bottom of the form. At the bottom of the page, a status bar shows 'Status:Normal' on the left and the timestamp '2014/12/11 08:46:12' on the right.

Configuration: Log

This allows the administrator to setup the log information.

Export Data Configuration: Export the log files in csv format.

Syslog Configuration: Configure the RPM1581EV6 to send Systems logs.

Data Log Configuration: Set the time interval to record the data logs.

Heartbeat Interval: Enable or Disable the Heartbeat Trap and set the interval time.

Event Log Configuration: Check the events you want to receive notifications for via emails, SNMP traps, or SMS messages.

[Info.](#) → [Logout](#)

Remote Power Manager
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POWER TECHNOLOGIES

Information Management **Configuration**

Network Security User Mail SNMP Time Radius **Log** System

Export Data Configuration

Event Log	<input type="button" value="Export"/>
Data Log	<input type="button" value="Export"/>
kWh Monthly Report / Send on Disable	<input type="button" value="Modify"/>

Syslog Configuration

Primary Server	<input style="width: 100%;" type="text"/>
Secondary Server	<input style="width: 100%;" type="text"/>
Port	<input style="width: 50%;" type="text"/>
<input type="button" value="Apply"/>	

Data Log Configuration

Data Log Interval	every 10 min
<input type="button" value="Apply"/>	

Heartbeat Trap Configuration

Heartbeat Interval	<input checked="" type="checkbox"/> Disable
	<input style="width: 50%;" type="text"/> Sec(s)
<input type="button" value="Apply"/>	

Event Log Configuration

System Events	Enable
User Log in	<input type="checkbox"/>
System Configuration Change	<input type="checkbox"/>
Power Events	
Outlet On	<input checked="" type="checkbox"/>
Outlet Off	<input checked="" type="checkbox"/>
Outlet Reboot	<input checked="" type="checkbox"/>
Outlet Fault	<input checked="" type="checkbox"/>
Current out of Warning Threshold	<input checked="" type="checkbox"/>
Current out of Overload Threshold	<input checked="" type="checkbox"/>
ENV Events	
Environmental Temperature Overrun	<input checked="" type="checkbox"/>
Environmental Temperature Underrun	<input checked="" type="checkbox"/>
Environmental Humidity Overrun	<input checked="" type="checkbox"/>
Environmental Humidity Underrun	<input checked="" type="checkbox"/>
<input type="button" value="Apply"/>	

Status: Normal
2014/12/11 08:47:25

Configuration: System

This allows the administrator to configure the system.

System Configuration: Configure one RPM and then its configuration file can be saved and then uploaded to another RPM.

Firmware Upgrade: The firmware can be upgraded via the web page.

Reset System: Reset the system back to the factory default setting.

Hardware Reset Button Definition: Configure how the reset button functions.

Temperature Scale: Configure how the temperature for the external Temp/Humidity probe will be displayed.

Auto Logout: Configure the amount of time before the system will log you off.

The screenshot displays the 'Remote Power Manager' web interface. At the top, there is a navigation bar with 'Info.' and 'Logout' links. Below this is a main menu with 'Information', 'Management', and 'Configuration' (highlighted). Under 'Configuration', there are sub-menus: 'Network', 'Security', 'User', 'Mail', 'SNMP', 'Time', 'Radius', 'Log', and 'System' (highlighted). The main content area is divided into several sections:

- System Configuration:** Includes 'Configuration Export' with an 'Export' button, and 'Configuration Import' with a 'Browse...' button, 'No file selected.' text, and an 'Upload' button. An 'Update' button is also present.
- Firmware Upgrade:** Includes 'Firmware Upload' with a 'Browse...' button, 'No file selected.' text, and an 'Upload' button. 'Update' and 'Update and Reset' buttons are also present.
- Reset System:** Features two radio buttons: 'Reset All Setting Back to Factory Default' (selected) and 'Reset All Setting Back to Factory Default Excludes IP Address'. An 'Apply' button is at the bottom.
- Hardware Reset Button Definition:** Features three radio buttons: 'Reset All Setting Back to Factory Default' (selected), 'Reset Administrator's Password to Default Only', and 'Disable (Please note if you forgot password, you can not recovery system any more)'. An 'Apply' button is at the bottom.
- Temperature Scale:** Features two radio buttons: 'Fahrenheit °F' (selected) and 'Celsius °C'. An 'Apply' button is at the bottom.
- Auto Logout:** Includes a dropdown menu set to 'No' and the text 'minutes'. An 'Apply' button is at the bottom.

At the bottom of the page, there is a status bar showing 'Status: Normal' and the timestamp '2014/12/11 08:49:53'.

7. Specifications

Model Number	RPM30241EV6	RPM30242EV6
Load Capacity (Max)	24Amps	
INPUT PARAMETERS		
Number of Phases	Single (1Ø2W +G)	
Nominal Voltage	100-120VAC	200-240VAC
Frequency	50/60Hz	
Input Protection	Re-settable circuit breaker	
OUTPUT PARAMETERS		
Nominal Voltage	100-120VAC	200-240VAC
Frequency	50/60Hz	
Branch Circuit Protection	UL 60950-1	
Circuit Quantity	Three	
ENVIRONMENTAL		
Operating Temperature	+32° - +122°F (0° - 50°C)	
Storage Temperature	+32° - +149°F (0° - 65°C)	
Operating/Storage Humidity	0 - 90%, non-condensing	
Operating Elevation	0 to 3,000m (0 to +10,000 ft)	
Storage Elevation	0 to 15,000m (0 to +50,000 ft)	
PHYSICAL		
Input Power Cord	10-feet attached	
Input Plug	NEMA L5-30P	NEMA L6-30P
Quantity Output Receptacles	24	
Type Output Receptacles	NEMA 5-15/20R	IEC 320 3 – C19, 21 – C13
Rack Mounting Format	Vertical (Zero U)	
Net Dimension L x W x H (mm)	70 x 2.2 x 3.15" (1778 x 56 80)	
Net Weight Lbs (Kgs)	18.52 (8.4)	18.74 (8.5)
Ship Dimensions L x W x H (mm)	74.71 x 4.33 8.66" (1890 x 110 220)	
Ship Weight Lbs (Kgs)	21.16 (9.6)	21.38 (9.7)
REGULATORY COMPLIANCE		
Safety/Approvals	cUL, UL 60950-1, CE, RoHS2 (EU Directive 2011/65/EU)	

8. Obtaining Service

For Technical Support on the Web, please visit the Support section of our Web site or visit our online Discussion Forum.

1. Verify there are no tripped circuit breakers. A tripped circuit breaker is the most common issue.
2. Call your dealer for assistance. If you cannot reach your dealer, or if they cannot resolve the issue call or fax the Technical Support department at the following numbers; Voice phone (972) 446-7363, FAX line (972) 446-9011 or visit our Web site at www.minutemanups.com the "Discussion Board". Before calling the Technical Support Department have the following information available:
 - a) Contact name and address.
 - b) Where and when the unit was purchased.
 - c) All of the model information about your unit.
 - d) The serial number of your unit.
 - e) Any information on the failure, including LEDs that may be illuminated or error codes displayed.
 - f) A description of the protected equipment including model numbers, if possible.
 - g) A technician will ask you for the above information and if possible, help solve the issue over the phone. In the event that the unit requires factory service, the technician will issue you a Return Material Authorization Number (RMA #). **NOTE:** We must have the model number and the serial number of the product to issue the RMA #.
 - h) If the unit is under warranty, the repairs will be done at no charge. If the unit is not under warranty there will be a charge for the repair.
3. Pack the unit in its original packaging. If the original packaging is no longer available, ask the Technical Support Technician about obtaining a new set. It is important to pack the unit properly in order to avoid damage in transit. Never use Styrofoam beads for a packing material.
 - a) Include a letter with your name, address, day time phone number, RMA number, a copy of your original sales receipt, and a brief description of the problem.
4. Mark the RMA # on the outside of all packages. The factory cannot accept any package without the RMA # marked on the outside.
5. Return the unit by insured, prepaid carrier to:

Para Systems Inc.
MINUTEMAN UPS
1809 W. Frankford Road, Suite 150
Carrollton, TX 75007
ATTN: RMA # _____

9. Limited Product Warranty

Para Systems, Inc. (Para Systems) warrants this equipment, when properly applied and operated within specified conditions, against faulty materials (excluding the batteries) or workmanship for a period of three years from the date of purchase. Para Systems Inc. (Para Systems) warrants the batteries for a period of two years from the date of purchase. For equipment sites within the United States and Canada, this warranty covers depot repair or replacement of defective equipment at the discretion of Para Systems. Depot repair will be from the nearest authorized service center. The customer pays for shipping the product to Para Systems. Para Systems pays ground freight to ship the product back to the customer. Replacement parts and warranty labor will be borne by Para Systems. For equipment located outside of the United States and Canada, Para Systems only covers faulty parts. Para Systems products that are depot repaired or replaced pursuant to this warranty shall only be warranted for the unexpired portion of the warranty applying to the original product. This warranty applies only to the original purchaser who must have properly registered the product within 10 days of purchase.

The warranty shall be void if (a) the equipment is damaged by the customer, is improperly used, is subjected to an adverse operating environment, or is operated outside the limits of its electrical specifications; (b) the equipment is repaired or modified by anyone other than Para Systems or Para Systems approved personnel; or (c) has been used in a manner contrary to the product's User's Manual or other written instructions.

Any technical advice furnished before or after delivery in regard to use or application of Para Systems' equipment is furnished without charge and on the basis that it represents Para Systems' best judgment under the circumstances, but it is used at the recipient's sole risk.

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