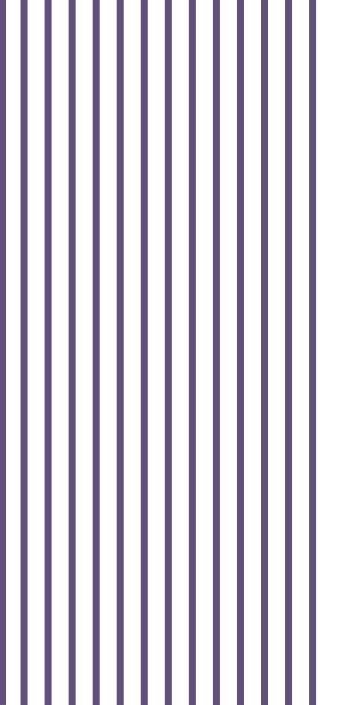
**Software For OMRON Uninterruptible Power Supply (UPS)** 

# **PowerAct Pro Master Agent**

For Windows

**Users Manual** 





## Contents

| 1. Monitor menu                                      | 2  |
|--|----|
| 1. 1 System  | 2  |
| 1. 2 Log   |    |
| 1. 3 UPS Setting                                     | 44 |
| 1. 4 Manual operation                                | 47 |
| 1. 5 Help  | 50 |
| 2 Monitor Tool Bar                                   | 51 |
| 3 Event Information                                  | 52 |
| 3. 1 Event Information Details                       | 52 |
| 3. 2 External command execution by event information | 61 |

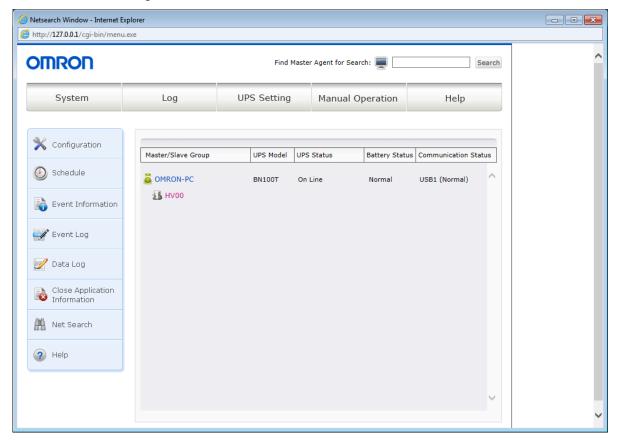
## 1. Monitor menu

## 1. 1 System

## 1. 1. 1 Automatic Agent Search

Automatically searches for agents in the same network and displays them in the Automatic Agent Search window.

## Automatic Agent Search window



The following table shows the details of the display items in the Automatic Agent Search window.

| Display item        | Description   |
|---------------------|---|
| Master/Slave Group  | Displays the agent names, master-slave distinction, and group |
|                     | configuration.  |
| UPS Model           | Displays the model of the connected UPS.                      |
| UPS Status          | Displays the operating status of the UPS.                     |
| Battery Status      | Displays the battery status.                                  |
| Communication       | Displays the operating status of the communication port.      |
| Status              |   |
| Address input field | Type the IP address of the computer where Master Agent is     |
|                     | installed and press the [Enter] key, and when the specified   |
|                     | master exists, the Login window appears.                      |
|                     | If the specified master is not detected, an error message     |
|                     | appears.  |

## 1. 1. 2 Configuration

## (1) Shutdown parameter

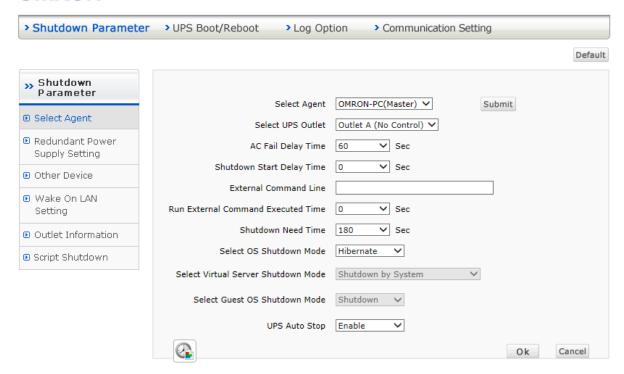
For the [Shutdown Parameter] setting, set the time related to shutdown and the timing to display a warning message. Set the time suitable for the system in use.

Configure settings in the Shutdown Parameter Setting window in the following procedure.

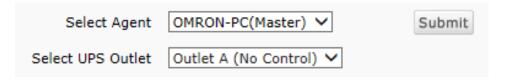
- ① Display the Power Act Pro Monitor window.
- ② Select the System menu, then [Configuration], or select [Configuration] from the menu on the left.
- 3 The Shutdown Parameter window appears.

## Agent Selection window

## **OMRON**



4 Select the master or slave to set the shutdown parameters for. Select from the list displayed in the pulldown menu for [Select Agent].



| Item               | Description and procedure                                      |
|--------------------|--|
| Select UPS Outlet  | Select an outlet to connect the currently connected load to.   |
|                    | Two types of outlets exist: a controllable outlet and an       |
|                    | uncontrollable outlet.   |
|                    | Caution  |
|                    | When using UPS not supporting outlet control, this function    |
|                    | cannot be used.  |
| AC Fail Delay Time | Set the delay time from when an abnormality occurs in the      |
|                    | power supply until shutdown operation starts in seconds.       |
|                    | A value in the range 0 to 360000 seconds can be selected. (The |
|                    | default value is 60 seconds. A value in the range 0 to 60      |
|                    | seconds can be selected in 10-second steps, and a value in the |
|                    | range 60 to 36000 seconds can be selected in 60-second         |
|                    | steps.)  |

| Shutdown Start Delay  | Set this time if you want to further delay the start of shutdown |
|-----------------------|--|
| Time                  | operation after shutdown operation starts.                       |
|                       | A value in the range 0 to 600 seconds can be selected. (The      |
|                       | default value is 0 second.)                                      |
| External Command      | Specify the program to be simultaneously activated when          |
| Line                  | shutdown operation starts. For example, specify a program        |
|                       | saving backup data into a specific disk drive.                   |
| Run External          | Set the time necessary for executing an external command. A      |
| Command Executed      | value in the range 0 to 600 seconds can be set in 60-second      |
| Time                  | steps.   |
|                       | Shutdown operation is temporarily stopped until this time        |
|                       | elapses. (The default value is 0 second.)                        |
| Shutdown Need Time    | Set the time necessary for shutting down the OS.                 |
|                       | A value in the range 0 to 1800 seconds can be selected. (The     |
|                       | default value is 180 seconds.)                                   |
| Select OS Shutdown    | Select the shutdown mode between "Hibernate" and                 |
| Mode                  | "Shutdown".  |
| Select Virtual Server | Select the setting to use for exiting between the setting of the |
| Shutdown Mode         | system and the setting of PowerAct Pro.                          |
|                       | This function can be used on OS platforms supporting Hyper-V.    |
| Select Guest OS       | Select how to exit the Guest OS between Shutdown and             |
| Shutdown Mode         | Hibernate.   |
|                       | This function can be used on OS platforms supporting Hyper-V.    |
| UPS Auto Stop         | Set whether to automatically stop the UPS after the computer     |
|                       | shuts down completely.   |
| [Default] button      | When this button is clicked, the default value is set for each   |
|                       | item.  |
|                       |  |

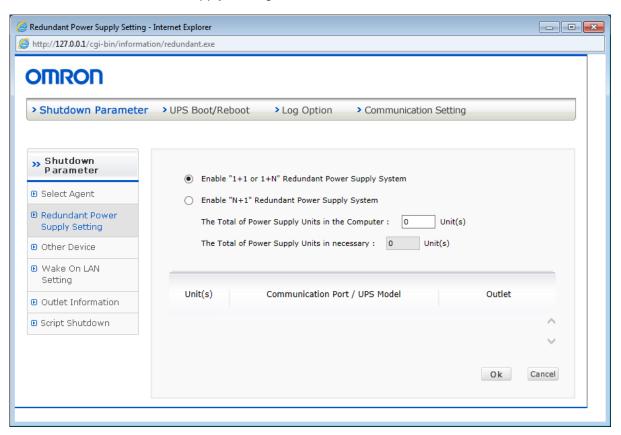
## Caution

The sum of the values for "Shutdown Start Delay Time", "Run External Command Executed Time", and "Shutdown Need Time" is limited to maximum 600 seconds for UPS without outlet control functionality, and to maximum 1800 seconds for UPS with outlet control functionality.

When using your UPS in Hyper-V (virtual environment), set time equal to or longer than the time required for virtual OS shutdown for [Run External Command Executed Time (Sec)].

- ⑤ Click the [OK] button.
- ⑤ Select [Redundant Power Supply Setting]. In this window, set the redundant power supply system and necessary parameters.

Redundant Power Supply Setting window



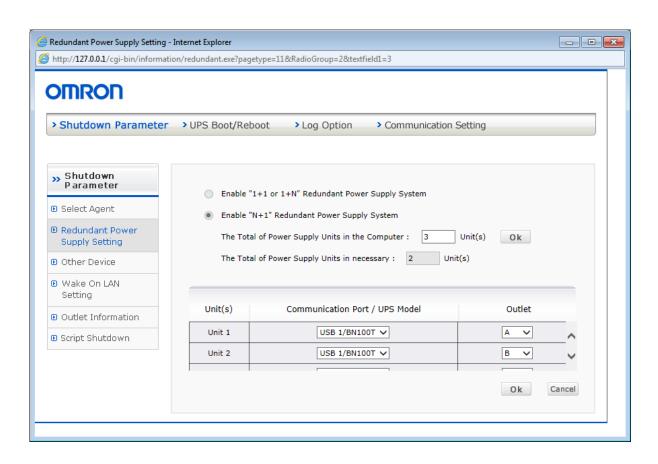
(7) Select a redundant power supply system from the following options.

## Enable "1+1 or 1+N" Redundant Power Supply System

A system in which the PC server does not start shutdown operation as long as at least one of the multiple UPS units connected to the computer is operating correctly. Only when an AC line failure occurs in every one of the UPS units, shutdown operation is started. When this option is selected, click the [OK] button and proceed to step 8.

## Enable "N+1" Redundant Supply System

Shutdown operation is started when the total number of power supply units in the PC server to which power is supplied from the UPS becomes "N" or smaller. When this option is selected, enter the number of power supply units in the computer, and click the [OK] button.



| Item                | Description and procedure  |
|---------------------|--|
| The Total of Power  | Enter the total number of power supply units in the computer. When the       |
| Supply Units in the | value is changed, click the [OK] button at the right side of the input field |
| Computer            | and calculate the number of power supply units necessary for                 |
|                     | operation.   |
| The Total of Power  | The number of power supply units necessary for the computer to               |
| Supply Units in     | operate normally is calculated and displayed in the field.                   |
| necessary           |  |
| Unit(s)             | Shows a power supply unit in the computer.                                   |
| Communication Port  | Displays the model of the UPS connected to each power supply unit            |
| / UPS Model         | and the communication port. To select a UPS model and                        |
|                     | communication port, select them from the pulldown list.                      |
| Outlet              | Specify the outlet to which the power supply unit in the computer is         |
|                     | connected.   |

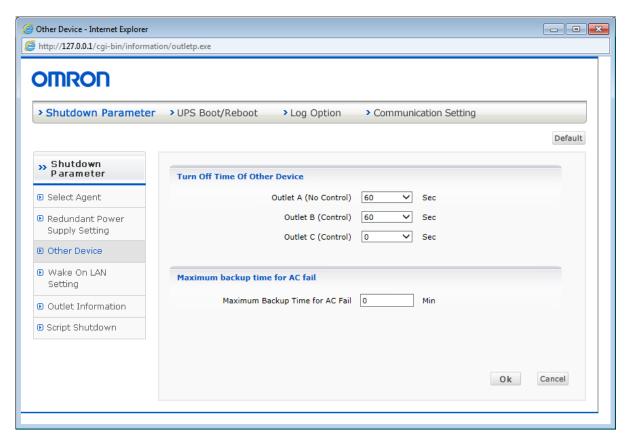
#### Caution

To connect multiple power supply units to your UPS, ensure that the total supply power of the power supply units does not exceed the supply power of the UPS.

8 Click the [OK] button.

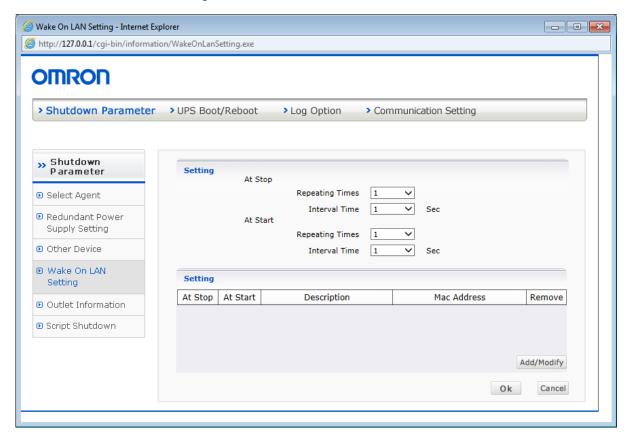
(9) Select [Other Device], and for [Turn Off Time Of Other Device] for each outlet, set a value in the range 0 to 600 seconds by clicking the arrow at the right side of the input field to display the list and selecting an option in that list. In UPS units without outlet control functionality, you cannot set a value for either of items Outlet B and Outlet C.

#### Other Device window



- ① Click the [OK] button.
- ① Select [Wake On LAN Setting]. When this function is set, the Wake On LAN supported computer whose MAC address is registered in advance can be restarted via LAN from the standby state (hibernation).
- ① In the [Setting] area, select values for [Repeating Times] and [Interval Time] for Wake On LAN packets.
- (i) For the [Setting] list, Wake On LAN packets are sent to the addresses with the check box [At Star] or [At Stop] being selected.
  To delete an address from the list, click the [Remove] button.
- (I) To register or modify address information, click the [Add/Modify] button in [Setting].

## Wake On LAN Setting window

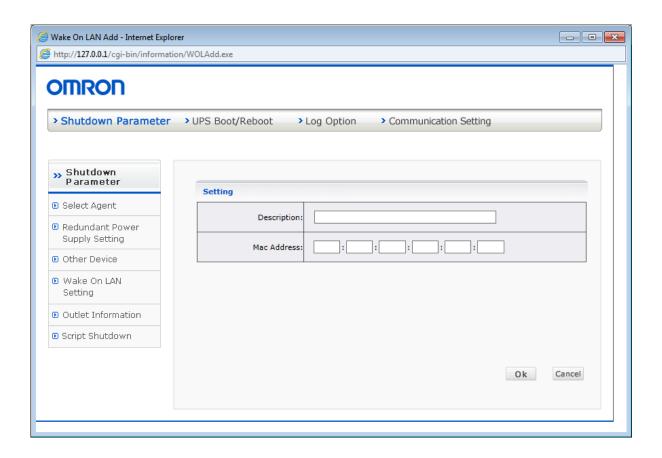


## • Modifying registration information

By directly entering a value for [Mac Address], you can modify the address. To delete an address, clear the [Select] check box for it and click [Submit].

Click [Add(New)] to add an address to the list.

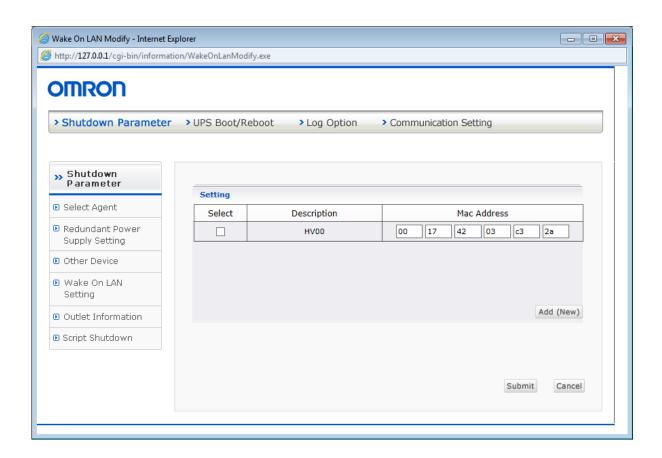
\* The addresses of the slave agents logged in and linked to the master agent are automatically displayed in the list.



## • Adding registration information

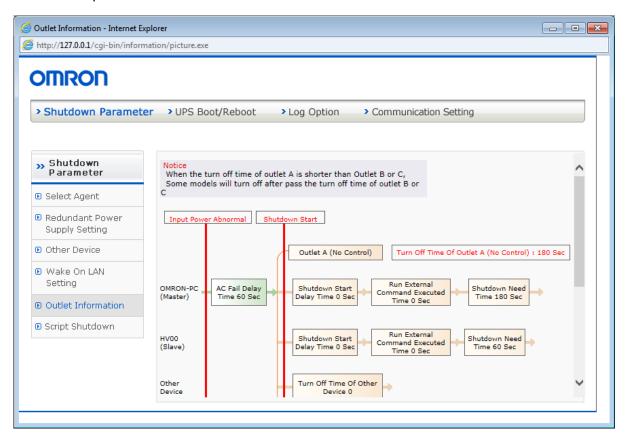
Enter words for identifying the destination for [Description], and enter the MAC address of the destination for [Mac Address].

Click [OK], and the destination is added to the address modification list mentioned above.



(5) Select [Outlet Information]. When the timing chart for the set times per outlet is displayed, check the setting details. When you finish checking, click the [x] (Close) button to close the window.

## Output Information window



#### Caution

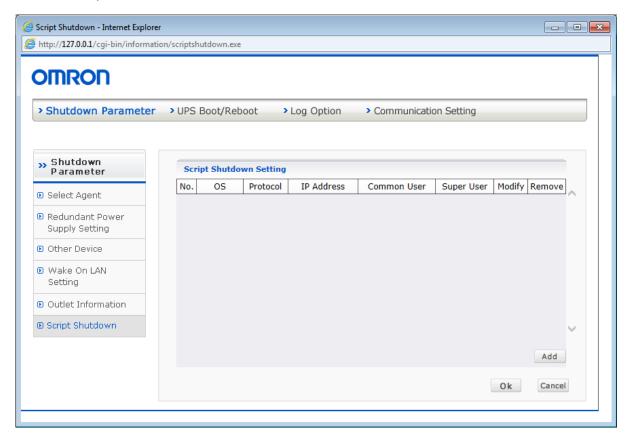
When the turn off time of outlet A is shorter than that of outlet B or C, outlet A turns off after the turn off time of outlet B or C passes.

In the following models, the turn off time of outlet A works regardless of the condition of outlet B or C.

(The sold model is different depending on areas.)

- BU1002SW/BU3002SW
- BU75RW/BU100RW/BU200RW/BU300RW
- BU150R
- BN100T/BN150T/BN220T/BN300T
- BN75R/BN150R/BN300R
- BN150XR
  - (b) When Script Shutdown is selected, by directly sending a script to the device connected to the UPS, the execution of shutdown operation regardless of the slave agent existence can be set.

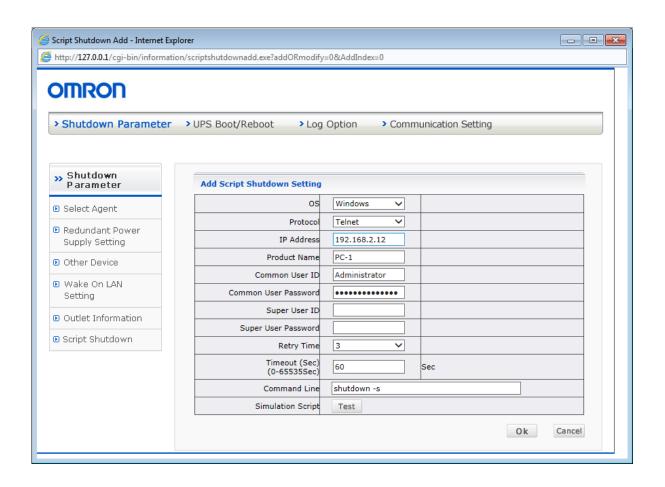
## Script Shutdown window



## • Adding registration information

Click [Add] to open the Script Shutdown setting window. Configure the settings for the Script Shutdown target device.

Click [OK], and the destination is added to the Script Shutdown setting list.



| Item                | Description and procedure   |
|---------------------|---|
| OS                  | Select the OS of the Script Shutdown target device.                 |
| Protocol            | Specify the communication method to be used by the master           |
|                     | agent.  |
|                     | Two protocols, SSH and Telnet, are supported.                       |
| IP Address          | Select the IP address of the Script Shutdown target device.         |
| Product Name        | Set the identification name of the Script Shutdown target device in |
|                     | an arbitrary character string.                                      |
| Common User ID      | Specify a common user name valid for login to the Script            |
|                     | Shutdown target device.   |
| Common User         | Specify a common user password valid for login to the Script        |
| Password            | Shutdown target device.   |
| Super User ID       | Specify a super user name valid for login to the Script Shutdown    |
|                     | target device. For Linux/Mac/Unix, enter data if necessary. For     |
|                     | Windows, entry is not necessary.                                    |
| Super User Password | Specify a super user password valid for login to the Script         |
|                     | Shutdown target device. For Linux/Mac/Unix, enter data if           |
|                     | necessary. For Windows, entry is not necessary.                     |
| Retry Time          | Select the number of retries when you fail to log in.               |

| Timeout (Sec)     | Arbitrarily set the timeout time for login.                          |
|-------------------|--|
|                   | A value in the range 0 to 65536 seconds can be set.                  |
| Command Line      | Specify the command line to be executed when the master agent        |
|                   | starts shutdown operation. You can set multiple commands by          |
|                   | separating each with a semicolon (";").                              |
|                   | Shutdown command examples:   |
|                   | [Windows] shutdown -s  |
|                   | [Linux] /sbin/halt   |
|                   | [Mac] /sbin/halt   |
|                   | [Unix] /sbin/halt  |
| Simulation Script | Click the [Test] button, and you can conduct a test based on the set |
|                   | contents.  |

## Note

For the execution of Script Shutdown, see "[UPS Boot/Reboot] setting" in "PowerAct Pro Configuration".

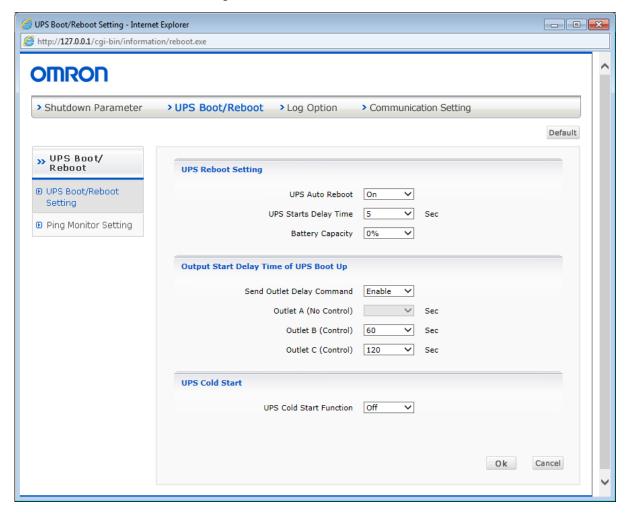
#### (2) UPS Boot/Reboot

In the [UPS Boot/Reboot] setting, set the reboot method for the UPS when the system recovers from a power supply failure after shutdown.

Display the UPS Boot/Reboot Setting window and configure settings in the following procedure.

- 1 Display the Power Act Pro Monitor window.
- 2 Select the System menu, then [Configuration].
- 3 Select [UPS Boot/Reboot Setting].

## **UPS Boot/Reboot Setting window**

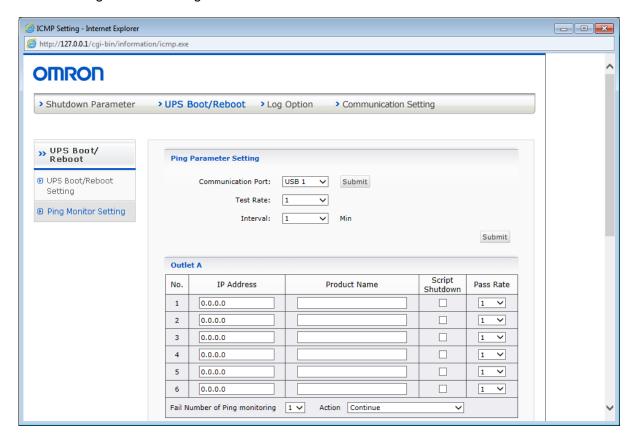


| Item            | Description and procedure  |
|-----------------|--|
| UPS Auto Reboot | Set whether to reboot the UPS after recovery from a power supply       |
|                 | failure.   |
|                 | Click the arrow at the right end of the input field and select "On" or |
|                 | "Off" from the displayed list.   |

| UPS Start Delay Time                   | Caution  This item cannot be set for UPS whose rebooting is specified with the setting switch.  Set the delay time until the UPS is rebooted after recovery from a power supply failure.  Click the arrow at the right end of the input field and select an option from the displayed list.   |
|--|---|
| Battery Capacity                       | For the UPS, set the upper limit for the total power used by the connected devices.  Click the arrow at the right end of the input field and select an option from the displayed list.  |
| Output Start Delay Time of UPS Boot Up | Set the output delay time for each outlet when the UPS starts up in seconds.  However, the value for outlet A is fixed as 0 sec.  For example, connect the tape drive you want to turn on before the computer unit starts up to outlet A, and connect the computer unit to outlet B or C, and set their delay times, so that their startup times become different from each other.  Caution  This cannot be set if UPS without outlet control functionality is connected. |
| USP Cold Start Function                | Set whether to enable the UPS cold start function.  Click the arrow at the right end of the input field and select "On" or "Off" from the displayed list.   |
| [Default]                              | When this button is clicked, the default value is set for each item.  |

- ⑤ Click the [OK] button.
- **(6)** By selecting Ping Monitor Setting, you can set the life-and-death monitoring of connected devices by periodically sending a ping command.

## Ping Monitor Setting window



| Item                | Description and procedure   |
|---------------------|---|
| Communications Port | Set which communication port is used for ping transmission.         |
|                     | Click the arrow at the right end of the input field and select an   |
|                     | option from the displayed list.                                     |
| Test Rate           | Specify the total number of times to send a ping command.           |
|                     | Click the arrow at the right end of the input field and select an   |
|                     | option from the displayed list.                                     |
| Interval            | Specify the interval time between ping commands. Specify the time   |
|                     | in minutes.   |
|                     | Click the arrow at the right end of the input field and select an   |
|                     | option from the displayed list.                                     |
| IP Address          | Specify the IP address of each connected device.                    |
| Product Name        | Enter an arbitrary name for the identification name of each device. |
| Script Shutdown     | Specify whether to use Script Shutdown.                             |
|                     | To use Script Shutdown, select the check box.                       |
| Number of passes    | As the condition for judging the device as operating normally, set  |
| (Pass Rate)         | how many times a ping command must be received successfully         |

|                     | after a ping command is sent for the number of times specified for   |
|---------------------|--|
|                     | Test Rate.   |
|                     | Click the arrow at the right end of the input field and select an    |
|                     | option from the displayed list.                                      |
| Fail Number of Ping | As the condition for executing the selected operation, specify the   |
| monitoring          | number of devices in which an error is detected among all the        |
|                     | devices connected to the relevant outlet.                            |
|                     | Click the arrow at the right end of the input field and select an    |
|                     | option from the displayed list.                                      |
| Action              | Specify the action to be carried out.                                |
|                     | Click the arrow at the right end of the input field and select an    |
|                     | option from the displayed list.                                      |
| Submit              | When this button is clicked, the setting for each item is confirmed. |

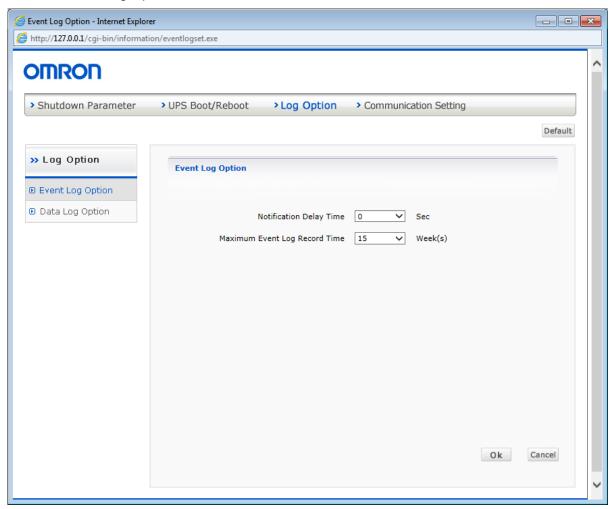
(8) Click the [Submit] button.

## (3) Log Option

In the [Log Option] setting, set the event log or data log size and record time interval. Display the Log Option Setting window and configure settings in the following procedure.

- ① Display the Power Act Pro Monitor window.
- ② Select the System menu, then [Configuration].
- 3 Select [Event Log Option].

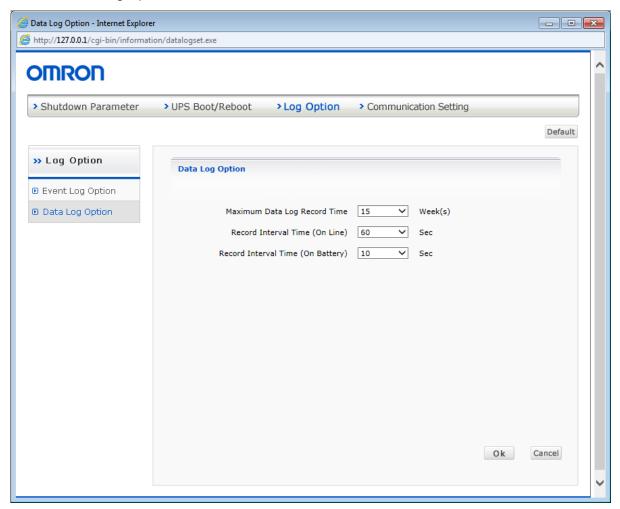
## **Event Log Option window**



| Item               | Description and procedure  |
|--------------------|--|
| Notification Delay | Set the delay time from when an event occurs until it is notified to the |
| Time               | user. Click the arrow at the right end of the input field and select an  |
|                    | option from the displayed list.  |
| Maximum Event      | Set the maximum number of event logs to store in units of weeks.         |
| Log Record Time    | Click the arrow at the right end of the input field and select an option |
|                    | from the displayed list. The setting range is from 1 to 15 weeks         |
|                    | (default: 15 weeks).   |
| [Default]          | When this button is clicked, the default value is set for each item.     |

- ⑤ Click the [OK] button.
- 6 Select [Data Log Option]

## Data Log Option window



| Item                 | Description and procedure  |  |
|----------------------|--|--|
| Maximum Data Log     | Set the maximum number of data logs to store in units of weeks.          |  |
| Record Time          | Click the arrow at the right end of the input field and select an option |  |
|                      | from the displayed list. The setting range is from 1 to 15 weeks         |  |
|                      | (default: 15 weeks).   |  |
| Record Interval Time | Set the data log recording time interval during operation based on       |  |
| (On Line)            | commercial power in units of seconds.                                    |  |
|                      | Click the arrow at the right end of the input field and select an option |  |
|                      | from the displayed list. The setting range is from 5 to 30000 seconds    |  |
|                      | (default: 60 seconds).   |  |
| Record Interval Time | Set the data log recording time interval during operation on battery     |  |
| (On Battery)         | power in units of seconds.   |  |
|                      | Click the arrow at the right end of the input field and select an option |  |
|                      | from the displayed list. The setting range is from 5 to 30000 seconds    |  |
|                      | (default: 10 seconds).   |  |

[Default] When this button is clicked, the default value is set for each item.

8 Click the [OK] button.

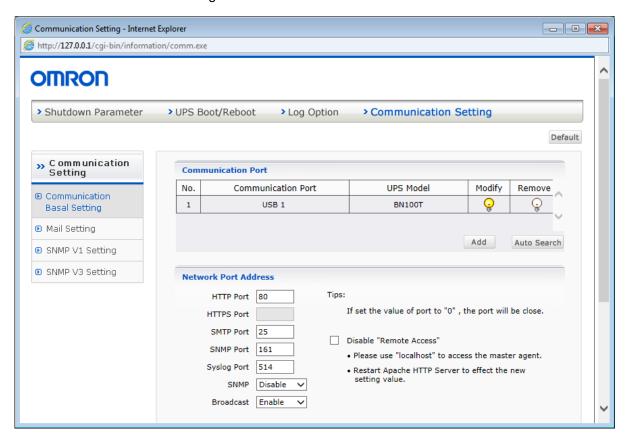
#### (4) Communication Setting

In the [Communication Setting] setting, set the communication port, network port address, and mail server for user notification.

Display the Communication Setting window and configure settings in the following procedure.

- 1 Display the Power Act Pro Monitor window.
- 2 Select the System menu, then [Configuration].
- 3 Select [Communication Setting].

## Communication Setting window

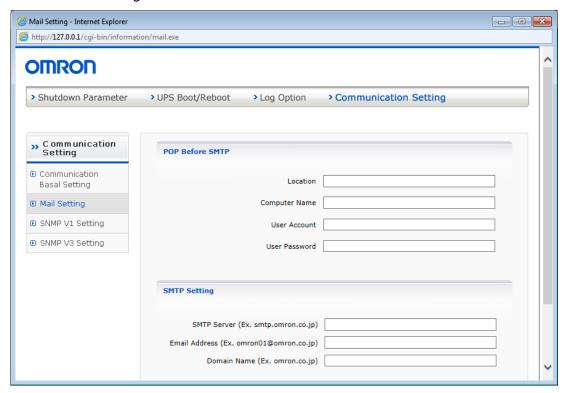


| Item | Description and procedure                                       |
|------|---|
| Add  | Click this button to display the Add Communication Port window, |
|      | and you can add a communication port. The added                 |
|      | communication port is displayed in the communication port list. |

| Modify               | Click the icon in the Modify column in the communication              |  |
|----------------------|---|--|
|                      | port list, and the communication port in the line that icon exists    |  |
|                      | can be modified.  |  |
| Remove               | Click the icon in the Remove column in the communication              |  |
|                      | port list, and the communication port in the line that icon exists is |  |
|                      | deleted.  |  |
| Auto Search          | Click this button to search for all the communication ports in the    |  |
|                      | computer and display the detected UPS units in the communication      |  |
|                      | port list.  |  |
| Network Port Address | Set the HTTP port number according to the condition of the            |  |
|                      | currently used network. Set 80 by default.                            |  |
|                      | Operation from remote computers can be prohibited by prohibiting      |  |
|                      | remote access.  |  |
| Page Refresh Rate    | Set the PowerAct Pro Monitor screen refresh interval in units of      |  |
|                      | seconds.  |  |
|                      | Click the arrow at the right end of the input field and select an     |  |
|                      | option from the displayed list.                                       |  |
| Logoff Time          | Set the automatic logoff time for PowerAct Pro Monitor.               |  |
|                      | Click the arrow at the right end of the input field and select an     |  |
|                      | option from the displayed list.                                       |  |
| [Default]            | When this button is clicked, the default value is set for each item.  |  |

- ⑤ Click the [OK] button.
- 6 Select [Mail Setting].

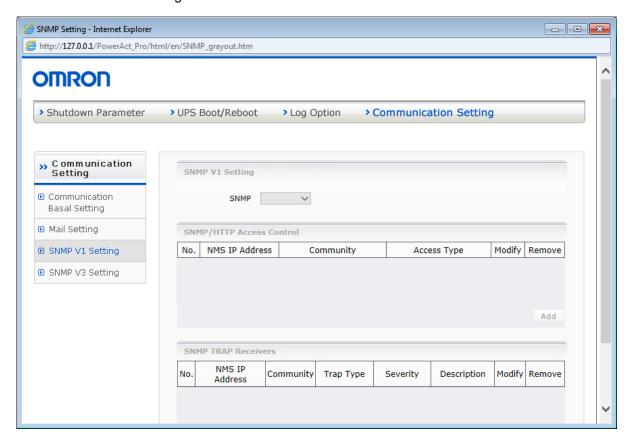
## Mail Setting window



| Item          | Description and procedure  |  |
|---------------|--|--|
| Location      | Enter the name of the installation location.                       |  |
| Computer Name | Enter the name of the computer.                                    |  |
| User Account  | Enter user account information for POP authentication.             |  |
| User Password | Enter a user password for POP authentication.                      |  |
| SMTP Server   | Set the server to send emails for event notification to the users. |  |
|               | Caution  |  |
|               | This function cannot be used for SMTP authentication mail          |  |
|               | servers.   |  |
| Email Address | Set the email address of the sender.                               |  |
| Domain Name   | Set the name of the domain the mail server belongs to.             |  |

- (8) Click the [OK] button.
- Select [SNMP V1 Setting].

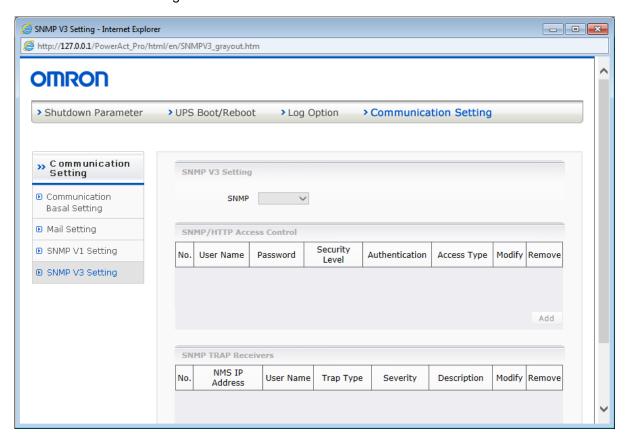
## SNMP V1 Setting window



| Item           | Description and procedure  |  |
|----------------|--|--|
| NMS IP Address | Set the IP address of NMS. 0.0.0.0 means that no value is set.     |  |
|                | (Example: When 192.168.7.255 is set, it means that the IP address  |  |
|                | range from 192.168.7.0 to 192.168.7.255 is set.)                   |  |
|                |  |  |
| Community      | Set the community for the set IP address.                          |  |
| Access Type    | Three options can be set: Access prohibited, Read, and             |  |
|                | Read/Write.  |  |
| Modify         | Click the icon in the Modify column in the communication           |  |
|                | port list, and the communication port in the line that icon exists |  |
|                | can be modified.   |  |
| Remove         | Click the icon in the Remove column in the communication           |  |
|                | port list, and the communication port in the line that icon exists |  |
|                | is deleted.  |  |

- ① Click the [OK] button.
- 12 Select [SNMP V3 Setting].

## SNMP V3 Setting window



| Item           | Description and procedure  |  |
|----------------|--|--|
| User Name      | Enter the user name set in the SNMP manager.                         |  |
|                | * This setting may not be required depending on the security level   |  |
|                | to be set.   |  |
| Password       | Enter the password set in the SNMP manager.                          |  |
|                | * This setting may not be required depending on the security level   |  |
|                | to be set.   |  |
| Security Level | You can set the security level for the set user among noAuthNoPriv,  |  |
|                | authNoPriv, and authPriv. Set the same level as the level set in the |  |
|                | SNMP manager to communicate with.                                    |  |
| Authentication | You can set the authentication method as HMAC-MD5 or                 |  |
|                | HMAC-SHA. Set the same level as the level set in the SNMP            |  |
|                | manager to communicate with.   |  |
| Access Type    | You can select between Read Only and Read/Write.                     |  |
| Modify         | Click the icon in the Modify column in the communication             |  |
|                | port list, and the communication port in the line that icon exists   |  |
|                | can be modified.   |  |

| Remove | Click the icon in the Remove column in the communication                       |
|--------|--|
|        | port list, and the communication port in the line that icon exists is deleted. |

(4) Click the [OK] button.

## 1. 1. 3 Event information type

Specify the display of a list of events occurring in the UPS and the computers (users) to which events are notified.

Each event can be notified to the computers (users) connected to the network every time it occurs.

#### Caution

No event is notified by default.

## Specifying the user to which event information is notified

You can specify which event to be notified to which computer (user).

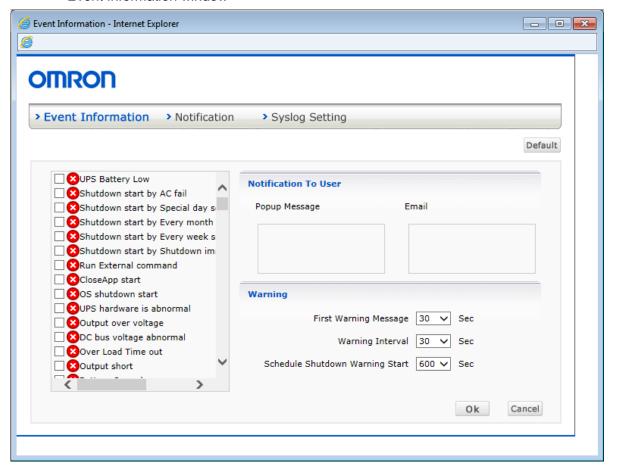


To set the above, click the button

to display the Event

Information window as follows.

#### **Event Information window**



The following table shows the meanings of the items in the Event Information window.

| Item              | Meaning   |  |  |  |
|-------------------|---|--|--|--|
| Event details     | You can select a type of event information.                           |  |  |  |
|                   | For details on each type of event information see "4.3.1 Event        |  |  |  |
|                   | information details".   |  |  |  |
|                   | The meani   | The meanings of symbols put before event details are as follows: |  |  |
|                   | Symbol  | Meaning  |  |  |
|                   | 8   | Critical   |  |  |
|                   | <u> </u>  | Warning  |  |  |
|                   | 3   | Information  |  |  |
| First Warning     | Notify a warning message after the set period of time elapses.        |  |  |  |
| Message           |   |  |  |  |
| Warning Interval  | Display the warning message at the set time intervals after the first |  |  |  |
|                   | warning message.  |  |  |  |
| Schedule Shutdown | Display a warning message related to the start of the schedule action |  |  |  |
| Warning Start     | before starting schedule action.                                      |  |  |  |

## How to notify event messages

Two types of event notification methods are available. One is to send a popup message automatically displayed in the user's computer screen and the other is to send a notification via email.

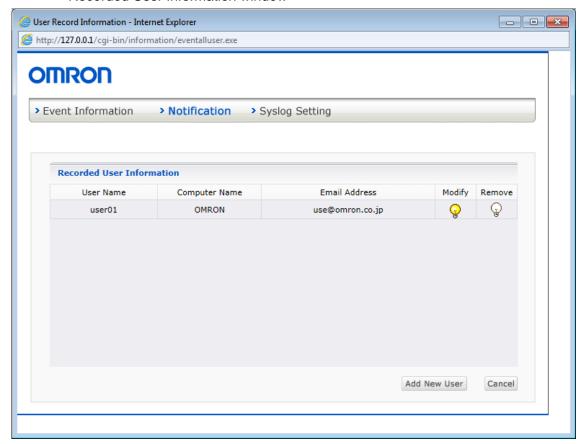
To notify the user via popup message, click the user name in the [Popup Message] area in [Notification To User], and to notify the user via email, click the user name displayed in the [Email] area in [Notification To User].

## Registering a notification destination

To register a user to which you want to notify messages, click [Notification]. The Recorded User Information window below appears.

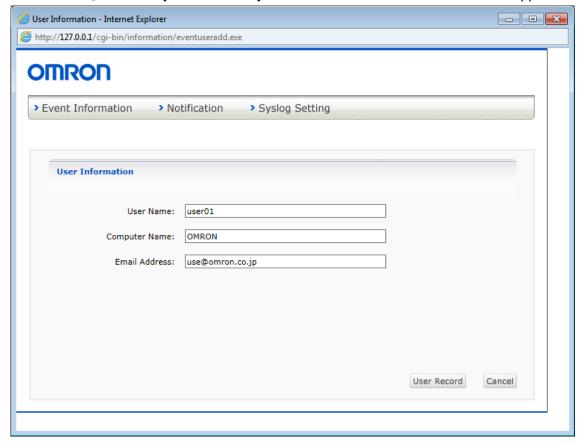
This window displays the registered notification destination users in list form.

## Recorded User Information window



## Add a user as follows:

① Click the [Add New User] button. The User Record window below appears.



- ② Enter the user name, user's computer, or email address as needed.
- ③ Click the [User Record] button.
  When the [Cancel] button is clicked, the newly recorded user information is not registered.

## Modify recorded user information as follows:

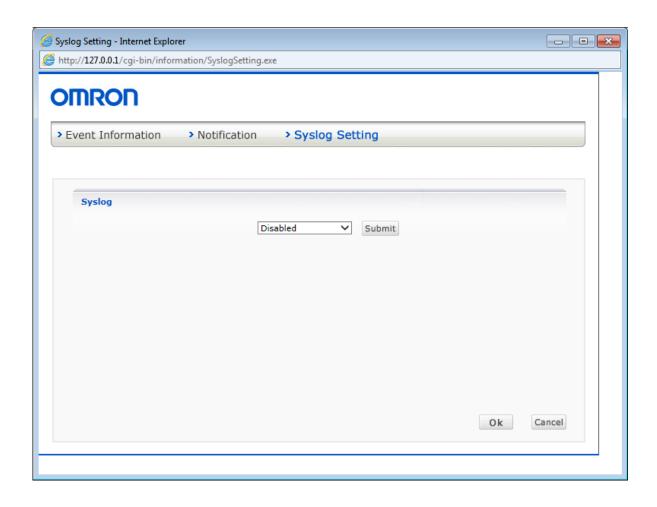
- ② When the User Record window appears, select and modify the item you want to modify.

## Delete recorded user information as follows:

## **Syslog Setting**

You can store log information by sending it to the Syslog server located on the network. This setting is [Disabled] by default.

Select [Enabled] from the list and click [Submit], and you can perform the Syslog setting.

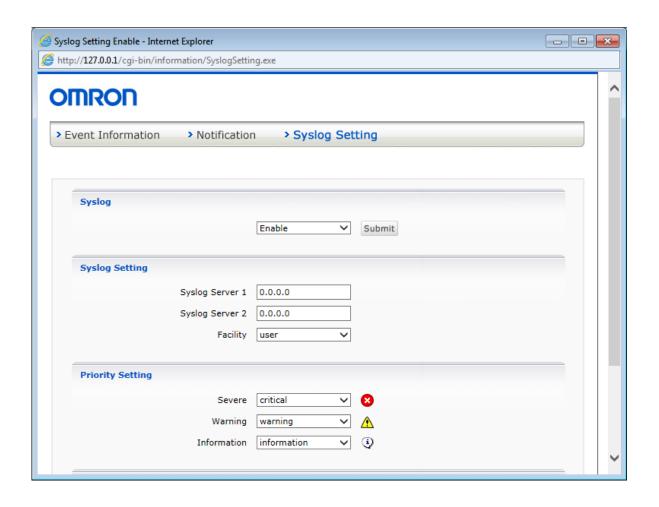


#### Set the Syslog function as follows:

- ① In [Syslog Setting], enter the IP address of a Syslog server and select Syslog Facility (function). Note that a maximum of two Syslog servers can be registered.
- ② In [Priority Setting], select Priority for each of the three UPS logs (critical, warning, and information).
- ③ In [Language Setting], select the language used for logs to be sent to the server(s). English or Japanese can be selected.
- 4 Click [Submit].

#### Note

- For details on Syslog Facility and Priority, see UNIX documents related to Syslog.
- To set Syslog, consult with your network administrator.



## 1. 1. 4 Schedule

You can specify the time and date to stop/start the UPS or perform self-diagnosis on the UPS.

Besides a time and date, you can also specify the interval such as weekly and monthly.

The use of the UPS by setting the above is called a "schedule action".

You can display schedule actions in list form, and modify or remove the setting for an individual action.

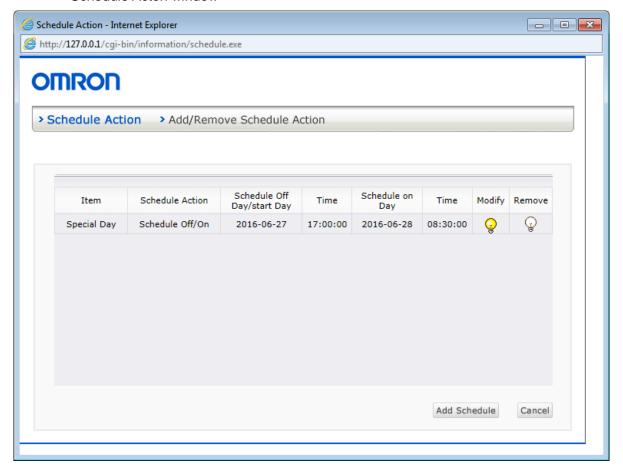
#### Caution

If an error such as a power failure occurs during a schedule action, the current schedule action is canceled, and the UPS operates according to the setting of the next schedule action.

## Displaying a list of schedule actions

You can display the statuses of schedule actions in list form. Click [Schedule].

#### Schedule Acton window



The following table shows the meanings of the items in the Schedule Action window.

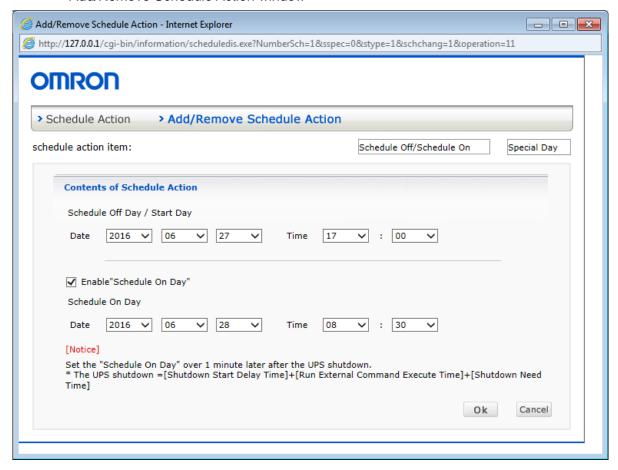
| Item            | Description   |  |
|-----------------|---|--|
| Item            | Displays the action interval of a set schedule action. "Special Day", |  |
|                 | "Weekly", or "Monthly" is displayed.                                  |  |
| Schedule Action | Displays the description of a schedule action. "Schedule Off/On"      |  |
|                 | (stop/start UPS), "Backup Time Test", or "Self Test" is displayed.    |  |
| Schedule Off    | Displays a date to stop a schedule action.                            |  |
| Day/start Day   |   |  |
| Time            | Displays an Off time.   |  |
| Schedule on Day | Displays a date to start a schedule action.                           |  |
| Time            | Displays a start time.  |  |
| Modify          | Click the button to modify the setting for the schedule action.       |  |
| Remove          | Click the button to remove the setting for the schedule action.       |  |
| Add Schedule    | You can add a new schedule action.                                    |  |
| Cancel          | The set schedule action is not registered. Exit the Schedule Action   |  |
|                 | window.   |  |

## Adding/modifying a schedule action

You can add or modify a schedule action.

Click [Add/Remove Schedule Action].

## Add/Remove Schedule Action window



The following table shows the meanings of the items in the Add/Remove Schedule Action window.

| Item                  | Meaning   |  |
|-----------------------|---|--|
| schedule action item: | Click the action item field to display the pulldown menu, and       |  |
|                       | select an option among "Schedule Off/Schedule On", "Backup          |  |
|                       | Time Test", and "Self Test" displayed in the menu by clicking it.   |  |
|                       | And click the specified day filed to display the pulldown menu, and |  |
|                       | select an option among "Special Day", "Weekly", and "Monthly"       |  |
|                       | displayed in the menu by clicking it.                               |  |
| OK                    | Register the schedule action with the set contents.                 |  |
| Cancel                | The set schedule action is not registered. Exit the Add/Remove      |  |
|                       | Schedule Action window.   |  |

#### How to set a schedule action

This section describes the setting procedures for adding, modifying, and removing a schedule action.

## [Setting procedure for newly registering a schedule action]

- ① Click the [Add Schedule] button in the Schedule Action window.
- 2 The Add/Remove Schedule Action window appears.
- (3) Select a schedule action item.

| Schedule action item  | Description   |  |
|-----------------------|---|--|
| Schedule Off/Schedule | Stops or starts the system.                                   |  |
| On                    |   |  |
| Backup Time Test      | A test for correcting the estimated backup time.              |  |
| Self Test             | Conducts a self test.   |  |
| Special Day           | Performs the schedule action on the specified day.            |  |
| Weekly                | Performs the schedule action on the set day of the week every |  |
|                       | week.   |  |
| Monthly               | Performs the schedule action on the set day every month.      |  |

- ④ Specify the date and time for stopping the system, or conducting a self test or backup time test.
- ⑤ Select whether to start the system according to the schedule action.

To start the system, click the Enable "Schedule On Day" check box.

[To start the system according to the schedule action]

Specify the values for Schedule On Day and Time, and go to procedure 6.

[If not starting the system according to the schedule action]

Schedule On Day and Time are disabled. Go to procedure 6.

- 6 Click the [OK] button.
- 7 When the Schedule Action window appears again, check the contents of the set schedule action, and be sure to click the [Submit] button.

If you exit the Schedule Action window without clicking the [Submit] button, the set schedule action will not be registered.

## [Setting procedure for modifying a set schedule action]

Click the button of the schedule action you want to modify in the Schedule Action window.

## [Setting procedure for removing a set schedule action]

Click the button for the schedule action you want to remove in the Schedule Action window.

#### **Precautions**

For models in which the Enable "Schedule On Day" check box cannot be selected in the Add/Remove Schedule Action window, you need to set as follows:

- [To start at the specified time on the specified date]
   Select the System menu, [Configuration], then [UPS Boot/Reboot], and set "On" for [UPS Auto Reboot] so that the system automatically reboots.
- [If not starting at the specified time on the specified date]
   Select the System menu, [Configuration], then [UPS Boot/Reboot], and set "Off" for [UPS Auto Reboot] so that the system does not automatically reboot.

#### 1. 1. 5 Close

Finish displaying Power Act Pro Monitor.

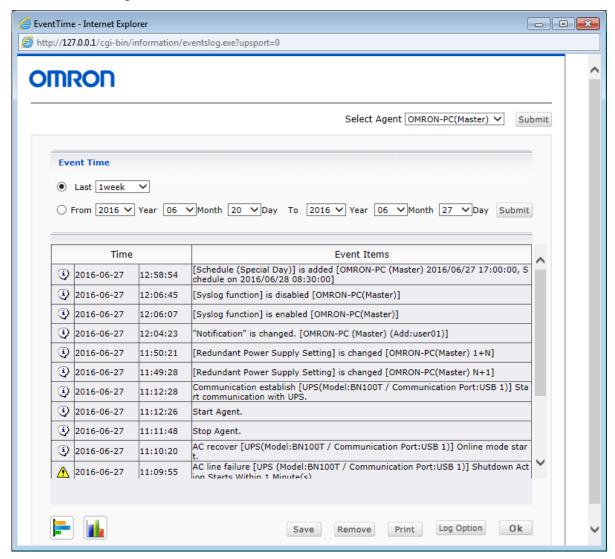
#### 1. 2 Log

#### 1. 2. 1 Event log

You can record operating states arising in the UPS such as an AC line failure, schedule shutdown, configuration, and battery test.

Recorded data can be read using [Microsoft Excel].

## **Event Log window**



Either select [Log], then [Event Log], or click the button



in the tool bar, and the Event Log window appears.

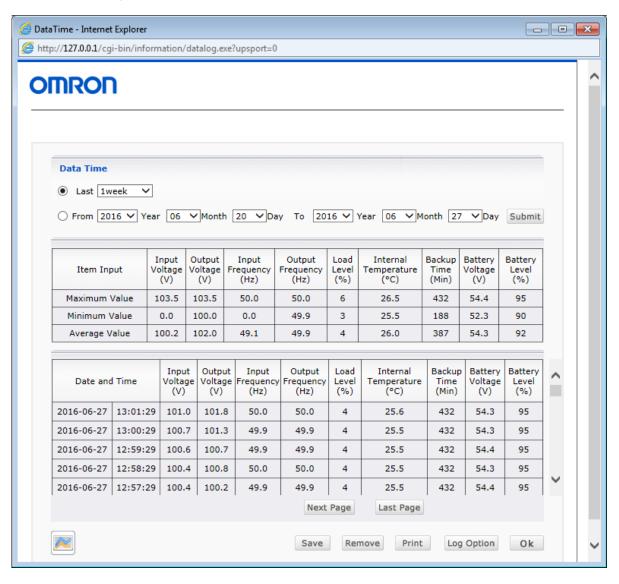
- Click [Save] to save event log data into a file.
- Click [Remove] to erase event log data.
- Click [Print] to print data.
- Click [Log Option] to transition to the Log Option window in Configuration.

## 1. 2. 2 Data log

For data logs, you can record various kinds of data such as time, input voltage, output voltage, connection load, input frequency, and UPS internal temperature.

Recorded data can be read using [Microsoft Excel].

## Data Log window



The following table shows the types of information that can be recorded in data logs and the meaning of each type of information.

| Input Voltage        | Commercial outlet voltage level                              |  |
|----------------------|--|--|
| Output Voltage       | Voltage level of electric power output from the UPS          |  |
| Input Frequency      | Commercial outlet frequency level                            |  |
| Output Frequency     | Output frequency level of electric power output from the UPS |  |
| Load Level           | Load of equipment connected to the UPS                       |  |
| Internal Temperature | Temperature inside the UPS                                   |  |
| Backup Time          | Displays the estimated backup time.                          |  |
| Battery Voltage      | Charging voltage level of the battery                        |  |
| Battery Level        | Charged level of the battery                                 |  |

• Either select [Log], then [Data Log], or click the button



in the tool bar, and the Data Log window appears.

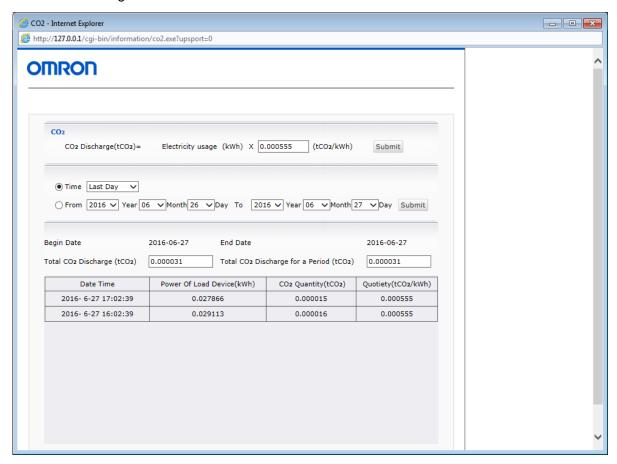
- Click [Save] to save data log data into a file.
- Click [Remove] to delete data log data.
- Click [Print] to print data.
- Click [Log Option] to transition to the Log Option window in Configuration.

## 1. 2. 3 CO2 Log

For CO2 logs, you can record quantities of CO2 generated by the use of the UPS calculated based on the predetermined co-efficient.

Recorded data can be read using [Microsoft Excel].

## CO2 Log window



The following table shows the types of information that can be set and recorded in CO2 logs and the meaning of each type of information.

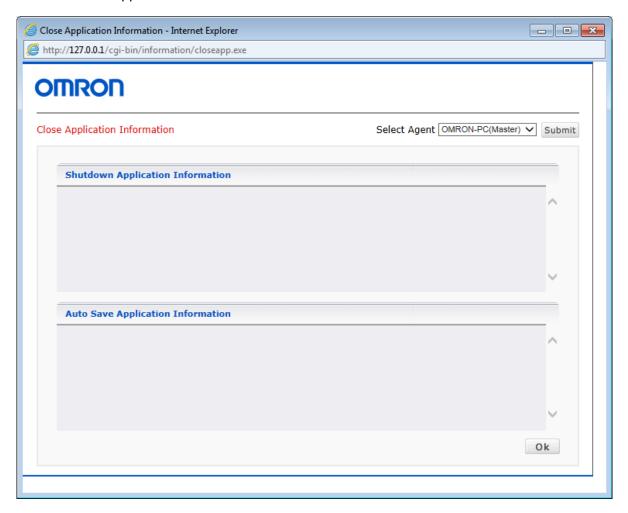
| CO2 Discharge | Formula for calculating the amount of CO2. Enter a coefficient and       |  |
|---------------|--|--|
|               | click the [Submit] button to change the existing coefficient.            |  |
| Time          | Set the time period for data to display in a log. When the Time radio    |  |
|               | button is selected, Last Day, Last Week, or Last Month can be set        |  |
|               | from the pulldown menu on the right. When the From To radio button       |  |
|               | is selected, a specific period can be set. When the setting operation is |  |
|               | completed, press the [Submit] button.                                    |  |
| Begin Date    | Logging start date   |  |
| End Date      | Time the latest log is obtained  |  |
| Total CO2     | Amount of CO2 from the time the UPS started to be used until now         |  |
| Discharge     |  |  |

| Total CO2   | Amount of CO2 for a specific period                              |  |
|---|--|--|
| Discharge for a   |  |  |
| period  |  |  |
| Time  | Time of day the latest log was obtained                          |  |
| Power Of Load   | Amount of electricity consumed by the UPS at the time of the log |  |
| Device  |  |  |
| CO2 Quantity  | Amount of CO2 discharged by the UPS at the time of the log       |  |
| Quotiety Quatiety in the calculation formula at the time of the log |  |  |

## 1. 2. 4 Close Application

Before shutting down the system, the Windows version of PowerAct Pro automatically saves the opened files and closes the applications. The following window displays information about the closed applications and saved files.

Close Application Information window



Either select [Log], then [Close Application Information], or click the button



in the tool bar, and the Close Application Information window

appears.

## 1. 3 UPS Setting

#### 1. 3. 1 Buzzer

You can set whether to make the buzzer of the UPS sound during backup operation. If you do not want to make the buzzer sound during backup operation, set "Off".

If you want to make the buzzer sound during backup operation, set "On".

[Setting procedure]

Start Power Act Pro Monitor.

From the menu, select [UPS Setting], then [Buzzer], and select "On" or "Off" for the buzzer.

## **Precautions**

Depending on the UPS model, set the buzzer using the "Setting Switches" at the back of the UPS unit.

## 1. 3. 2 Battery Auto Test

You can select whether to automatically diagnose the battery deterioration state.

When "Yes" is selected, the UPS diagnoses the battery state every four weeks.

## [Setting procedure]

- 1) Start Power Act Pro Monitor.
- ② From the menu, select [UPS Setting], then [Battery Auto Test], and select "Yes" or "No" for the battery auto test.

#### **Precautions**

If the result of the battery auto test is "Abnormal", there may be a problem with the UPS such as internal circuit failure, overload, short-circuit, internal temperature problem, low battery voltage, and battery deterioration.

During battery auto test, make sure that the connected load does not fluctuate. Depending on the UPS to be used, a test may not be conducted correctly.

## [Handling in the case of battery deterioration]

Be sure to replace the battery if it is deteriorated.

If you use the UPS in the state of "Battery Weak", in the event of an AC line failure in the UPS, backup operation cannot be normally performed.

## [Handling in the event of an abnormality in the UPS]

If an abnormality occurs in the UPS, stop both the UPS and the system.

## 1. 3. 3 Input/Output Setting

You can select whether to set 100V or 115V for the output voltage of the UPS.

To connect a device with 115VAC power specification to the UPS, change the output voltage to 115VAC for use.

Note that when the output voltage is changed to 115VAC, 115VAC applies during both commercial operation and backup operation.

In addition, you can set the voltage sensitivity for the UPS to detect a power failure. For details, see the table below.

## [Setting procedure]

Start Power Act Pro Monitor.

From the menu, select [UPS Setting], then [Input/Output Setting], and select the set output voltage and voltage sensitivity.

For details on each setting option, see the table in [Input/Output Setting setting items and descriptions].

| Setting option | Description   |  |
|----------------|---|--|
| 100V/High      | The output voltage is 100VAC. The power failure detection |  |
| sensitivity    | voltage sensitivity is high sensitivity.                  |  |
| 100V/Standard  | The output voltage is 100VAC. The power failure detection |  |
| sensitivity    | voltage sensitivity is standard sensitivity.              |  |
| 100V/Low       | The output voltage is 100VAC. The power failure detection |  |
| sensitivity    | voltage sensitivity is set to a value lower than standard |  |
|                | sensitivity.  |  |
|                | Select this item when backup mode arises frequently.      |  |
| 110V/Standard  | The output voltage is 110VAC. The power failure detection |  |
| sensitivity    | voltage sensitivity is standard sensitivity.              |  |
| 115V/Standard  | The output voltage is 115VAC. The power failure detection |  |
| sensitivity    | voltage sensitivity is standard sensitivity.              |  |
| 115V/Low       | The output voltage is 115VAC. The power failure detection |  |
| sensitivity    | voltage sensitivity is set to a value lower than standard |  |
|                | sensitivity.  |  |
|                | Select this item when backup mode arises frequently.      |  |
| 120V/Standard  | The output voltage is 120VAC. The power failure detection |  |
| sensitivity    | voltage sensitivity is standard sensitivity.              |  |
| 200V/Standard  | The output voltage is 200VAC. The power failure detection |  |
| sensitivity    | voltage sensitivity is standard sensitivity.              |  |
| 220V/Standard  | The output voltage is 220VAC. The power failure detection |  |
| sensitivity    | voltage sensitivity is standard sensitivity.              |  |
| 230V/Standard  | The output voltage is 230VAC. The power failure detection |  |
| sensitivity    | voltage sensitivity is standard sensitivity.              |  |
| 240V/Standard  | The output voltage is 240VAC. The power failure detection |  |
| sensitivity    | voltage sensitivity is standard sensitivity.              |  |

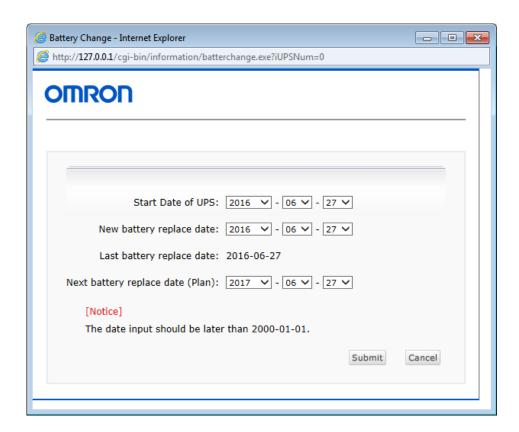
|  | Precautions |  |
|--|-------------|--|
| This function cannot be used depending on the UPS model. |             |  |

## 1. 3. 4 Battery replacement schedule setting

By setting the usage start date (replacement date) for the battery, you can schedule the time to perform periodical maintenance (battery replacement) in advance.

## [Setting procedure]

1 From the menu, select [UPS Setting], then [Battery use date (Battery Changed Date)], and set the date.



② Click the [Submit] button to set the replacement date. When [Cancel] is clicked, the specified date will not be set.

#### 1. 4 Manual operation

#### 1. 4. 1 Shutdown Immediately

Execute Shutdown Immediately to immediately start shutting down the OS. You can also set the delay time for shutdown. After the OS is shut down completely, the UPS is automatically stopped.

If you want to restart the UPS, turn on the power switch of the UPS.

#### 1. 4. 2 Buzzer Test

When Buzzer Test is executed, the buzzer of the UPS sounds for one second.

#### 1. 4. 3 Self Test

Self Test is a function to perform diagnosis to see if each function of the UPS operates correctly. A self test can be conducted in two ways: To be automatically conducted by an schedule action, and to be conducted manually. We recommend conducting a self test on the UPS periodically using a schedule action.

## [Setting procedure]

[To conduct a self test manually]

- 1) Start Power Act Pro Monitor.
- ② From the menu, select [Manual Operation], then [Self Test], and perform diagnosis.

[To conduct a self test using an schedule action]

- ① Start Power Act Pro Monitor.
  From the menu, select [System], then {Schedule], and start the Schedule Action window.
- 2 Click the [Add Schedule] button in the Schedule Action window.
- 3 The Add/Modify Schedule Action window appears.
- ④ From the schedule action items, select [Scheduled Self Test Day], then Day (Special Day/Weekly/Monthly).
- ⑤ Specify the scheduled self test day and time.
- 6 Click the [OK] button.
- When the Schedule Action window appears again, check the contents of the set schedule action, and be sure to click the [Submit] button.
  If you exit the Schedule Action window without clicking the [Submit] button, the set schedule action will not be registered.

#### **Precautions**

<u>If the result of the self test is "Abnormal"</u>, there may be a problem with the UPS such as internal circuit failure, overload, short-circuit, internal temperature problem, low battery voltage, and battery deterioration.

[Handling in the case of battery deterioration]

Be sure to replace the battery if it is deteriorated.

If you use the UPS in the state of "Battery Weak", in the event of an AC line failure in the UPS, backup operation cannot be normally performed.

## [Handling in the event of an abnormality in the UPS]

If an abnormality occurs in the UPS, stop both the UPS and the system.

## 1. 4. 4 Backup Time Test

A test for correcting the estimated backup time. Conduct this test with actual load connected.

## [Setting procedure]

- 1) Start Power Act Pro Monitor.
- ② From the menu, select [Manual Operation], then [Backup Time Test], and select "Execute" for a backup time test.

To cancel the "Backup Time Test", select "Stop".

#### **Precautions**

This function cannot be used depending on the UPS model.

## 1. 4. 5 Outlet B/C (Control)

You can start/stop the output of outlet B or C with control functionality.

## [Setting procedure]

- ① Start Power Act Pro Monitor.
- ② From the menu, select [Manual Operation], then [Outlet B(Control)] (or [Outlet C(Control), and select "Output start" or "Output stop".

#### 1, 4, 6 Send UPS Command

This function is used for such purposes as maintenance. Do not use it in normal operation.

## 1.5 Help

#### 1. 5. 1 Online Help

Online Help contains various kinds of information such as the functions of PowerAct Pro and setting procedures.

Before using this software, be sure to start Online Help and view the explanations of the functions and the setting details.

#### Note

In Internet Explorer 10 and 11 may not be displayed correctly.

#### 1. 5. 2 Version Information

Version Information contains such information as the version information of this software and copyright information.

## 1. 5. 3 System Information

System Information contains information about the Master Agent installed computer, connected UPS, and so on.

## 1. 5. 4 Administrator Information

You can register information about the contact point of the system administrator, and so on in Administrator Information.

## 1. 5. 5 Product Home Page

Select this in a network that allows you to connect to the Internet to display Omron Website.

## 1. 5. 6 User Registry Page

Select this in a network that allows you to connect to the Internet to display the PowerAct Pro user registration homepage.

## 2 Monitor Tool Bar

The tool bar displays icon buttons.

Click an icon button to start its corresponding function.

For the description about each function, see [PowerAct Pro Monitor menu].

| Icon button                   | Description   |
|-------------------------------|---|
| X Configuration               | Displays [Configuration].   |
| Schedule                      | Displays [Schedule].  |
| Revent Information            | Displays [Event Information].   |
| Event Log                     | Displays [Event Log].   |
| Data Log                      | Displays [Data Log].  |
| Close Application Information | Displays [Close Application Information].   |
| Met Search                    | Displays the Automatic Agent window. If the Automatic Agent Search window is already displayed, refreshes its |
|                               | contents.   |
| ? Help                        | Displays Online Help.   |

## 3 Event Information

## 3. 1 Event Information Details

The table below shows major events displayed in logs or notified via email. For events that need to handled, actions to be taken are shown in the table.

# Critical/warning events Events notifying that action needs to be taken, such as the start of shutdown and a system abnormality.

| Mark icon   | Event information                | Description  |
|-------------|----------------------------------|--|
| <b>(2)</b>  | Battery Low                      | The UPS battery voltage dropped and the battery    |
|             |                                  | level is low. Starting shutdown operation. Power   |
|             |                                  | will become unable to be supplied if this state    |
|             |                                  | continues.   |
| <b>(2)</b>  | Shutdown start by AC fail        | Starting shutdown operation. An AC line failure    |
|             |                                  | has occurred.                                      |
|             | Shutdown start by Special day    | Starting shutdown operation. The day specified for |
|             | schedule action                  | Schedule Action (Special Day) has come.            |
| ■           | Shutdown start by Every month    | Starting shutdown operation. The day specified for |
|             | schedule action                  | Schedule Action (Monthly) has come.                |
| ■           | Shutdown start by Every week     | Starting shutdown operation. The day specified for |
|             | schedule action                  | Schedule Action (Weekly) has come.                 |
| ■           | Shutdown start by Shutdown       | Starting shutdown operation. [Shutdown             |
|             | <u>immediately</u>               | Immediately] in the Manual Operation menu has      |
|             |                                  | been selected.                                     |
| <b>(3)</b>  | Run External command             | Run the external command set to be executed at     |
|             |                                  | shutdown.  |
|             | Close App start                  | Starting the operation to exit the running         |
|             |                                  | application.                                       |
| <b>(3</b> ) | OS shutdown start                | Starting OS shutdown operation.                    |
| 8           | UPS hardware is abnormal         | A hardware abnormality occurred.                   |
| <b>(3</b> ) | Self test(Function Test): NG(UPS | Stop the UPS and connected devices.                |
|             | hardware abnormal)               | Then, remove all the connected devices from the    |
| ×           | Battery Auto Test result:        | UPS, and turn on the "RUN" switch for the UPS      |
| _           | Not OK (UPS hardware             | to start operation.                                |
|             | abnormal)                        | If a hardware abnormality occurs again, the        |
| <b>8</b> .  | Output over voltage              | internal circuit could be faulty.                  |
| <b>8</b>    | DC bus voltage abnormal          |  |

| 8        | Over Load Time out           |  |
|----------|------------------------------|--|
| <b>8</b> | Output short                 |  |
| 8        | Battery Over charge          |  |
| 8        | Battery under charge         |  |
| 8        | Over Temperature             |  |
| 8        | FAN Fail                     |  |
| 8        | TX Fail                      |  |
| 8        | Battery Weak                 | The battery is deteriorated.                       |
| ×        | Self test(Function Test):    | Replace the battery.                               |
| _        | NG(Battery Weak)             | Otherwise, normal backup operation cannot be       |
|          |                              | performed  |
| <b>8</b> | Battery Auto Test result:    |  |
|          | Not OK (Battery Weak)        |  |
| <u> </u> | AC line failure              | An abnormality occurred in the input power         |
|          |                              | supply.  |
| _        |                              | Starting backup operation.                         |
| <u> </u> | Schedule Shutdown Warning    | The time for the shutdown start (Special Day,      |
|          | Start(Special Day)           | Monthly, Weekly) specified by the schedule         |
| <u> </u> | Schedule Shutdown Warning    | setting has come.                                  |
|          | Start(Every Month)           | Before starting shutdown operation, notify a start |
| <u> </u> | Schedule Shutdown Warning    | warning.   |
|          | Start(Every Week)            |  |
| <u> </u> | Shutdown Pause               | Pausing shutdown operation. Shutdown Pause         |
|          |                              | operation was performed during AC Fail Delay       |
|          |                              | Time.  |
| <u> </u> | Over Load                    | Too many devices are connected. The output         |
|          |                              | capacity rating for the UPS is exceeded. In this   |
|          |                              | state, normal backup operation cannot be           |
|          |                              | performed in the event of an AC line failure.      |
|          |                              | Reduce the number of connected devices until       |
|          |                              | the UPS error indication disappears.               |
| <u> </u> | Output condition (Boost up / | The input voltage was too high or too low. The     |
| <u> </u> | down)                        | output voltage was adjusted.                       |
| <u> </u> | Battery Disconnect           | The battery is not connected correctly. Check the  |
| . 🕰      | D:                           | battery connector.                                 |
| <u> </u> | Bypass                       | Starting bypass operation.                         |

## Information events

Notification events for checking the operating condition of PowerAct Pro such as the restart of operation, normal end of a test, and change of setting values.

| Mark       | Event information               | Description                                    |
|------------|---------------------------------|--|
| icon       |                                 |  |
| <b>(1)</b> | Input power supply              | Starts commercial operation.                   |
|            | recovered                       |  |
| (1)        | Communication established       | Started communication with the UPS.            |
| (1)        | Agent Start                     | Starts Agent.                                  |
| <b>③</b>   | Agent Stop                      | Stops Agent.                                   |
| (1)        | Self test: OK                   | The result of the self check is OK and the UPS |
| (1)        | Battery Auto Test result:       | operates normally.                             |
|            | OK                              |  |
| (1)        | Setting for "Select UPS Outlet" | The setting was changed in the Shutdown        |
|            | changed                         | Parameter window.                              |
|            |                                 |  |
| (1)        | Setting for "AC Fail Delay      | The setting was changed in the Shutdown        |
|            | Time" changed                   | Parameter window.                              |
| (1)        | Setting for "Shutdown Start     | The setting was changed in the Shutdown        |
|            | Delay Time" changed             | Parameter window.                              |
| (1)        | Setting for "Shutdown Need      | The setting was changed in the Shutdown        |
|            | Time" changed                   | Parameter window.                              |
| (1)        | Setting for "コンセント出力停止          | The setting was changed in the Shutdown        |
|            | までの                             | Parameter window.                              |
|            | 時間@@Outlet Output Stop          |  |
|            | Delay Time@@" changed           |  |
| (1)        | Setting for "Outlet Delay       | The setting was changed in the UPS             |
|            | Time of UPS Boot Up"            | Boot/Reboot window.                            |
|            | changed                         |  |
| (1)        | Setting for "Select OS          | The setting was changed in the Shutdown        |
|            | Shutdown Mode" changed          | Parameter window.                              |
| (1)        | Setting for "UPS Auto Reboot"   | The setting was changed in the UPS             |
|            | changed                         | Boot/Reboot window.                            |
| (1)        | Setting for "First Warning      | The setting was changed in the Event           |

|            | Message" changed               | Information window.                            |
|------------|--------------------------------|--|
| <b>3</b>   | Setting for "Warning Interval" | The setting was changed in the Event           |
|            | changed                        | Information window.                            |
| <b>3</b>   | Setting for "Schedule Action   | The setting was changed in the Event           |
|            | Start Warning" changed         | Information window.                            |
| <b>(1)</b> | Setting for the "maximum       | The setting was changed in the Log Option      |
|            | number of event logs to store" | window.  |
|            | changed                        |  |
| 3          | Setting for the "maximum       | The setting was changed in the Log Option      |
|            | number of data logs to store"  | window.  |
|            | changed                        |  |
| (1)        | Setting for "Record Interval   | The setting was changed in the Log Option      |
|            | Time(On Line)" changed         | window.  |
| (1)        | Setting for "Record Interval   | The setting was changed in the Log Option      |
|            | Time(On Battery)" changed      | window.  |
| <b>③</b>   | Setting for "Communication     | The setting was changed in the Communication   |
|            | Port" added                    | Setting window.                                |
| <b>③</b>   | Setting for "Communication     | The setting was changed in the Communication   |
|            | Port" deleted                  | Setting window.                                |
| 3          | Setting related to "Network    | The setting was changed in the Communication   |
|            | Port Address" changed          | Setting window.                                |
| (1)        | Setting for "SMTP Mail"        | The setting was changed in the Communication   |
|            | changed                        | Setting window.                                |
| (1)        | Setting for "Schedule Action   | The setting was changed in the Schedule Action |
|            | (Special Day)" added           | window.  |
| <b>④</b>   | Setting for "Schedule Action   | The setting was changed in the Schedule Action |
|            | (Monthly)" added               | window.  |
| <b>④</b>   | Setting for "Schedule Action   | The setting was changed in the Schedule Action |
|            | (Weekly)" added                | window.  |
| 3          | Setting for "Schedule Action   | The setting was changed in the Schedule Action |
|            | (Special Day)" changed         | window.  |
| •          | Setting for "Schedule Action   | The setting was changed in the Schedule Action |
|            | (Monthly)" changed             | window.  |
| 3          | Setting for "Schedule Action   | The setting was changed in the Schedule Action |
|            | (Weekly)" changed              | window.  |
| •          | Setting for "Schedule Action   | The setting was changed in the Schedule Action |
|            | (Special Day)" deleted         | window.  |
| <b>④</b>   | Setting for "Schedule Action   | The setting was changed in the Schedule Action |

|            | (Monthly)" deleted            | window.   |
|------------|-------------------------------|---|
| <b>(i)</b> | Setting for "Schedule Action  | The setting was changed in the Schedule Action  |
|            | (Weekly)" deleted             | window.   |
| <b>3</b>   | Setting for "Run External     | The setting was changed in the Shutdown         |
|            | Command Executed Time"        | Parameter window.                               |
|            | changed                       |   |
| <b>i</b> ) | Setting for "External         | The setting was changed in the Shutdown         |
|            | Command" added                | Parameter window.                               |
| <b>(i)</b> | Setting for "External         | The setting was changed in the Shutdown         |
|            | Command" deleted              | Parameter window.                               |
| <b>(i)</b> | Setting for "Notification To  | The setting was changed in the Event            |
|            | User" changed                 | Information window.                             |
| (1)        | Setting for "Battery use date | The setting was changed in the Battery use date |
|            | (Battery Changed Date)"       | (Battery Changed Date) window.                  |
|            | updated                       |   |
| (1)        | Default value for "Shutdown   | The setting was changed in the Shutdown         |
|            | Parameter" set                | Parameter window.                               |
| (1)        | Default value set for "UPS    | The setting was changed in the UPS              |
|            | Boot/Reboot"                  | Boot/Reboot window.                             |
| (1)        | Default value set for "Log"   | The setting was changed in the Log Option       |
|            |                               | window.   |
| (1)        | Default value for             | The setting was changed in the Communication    |
|            | "Communication Setting" set   | Setting window.                                 |
| <b>(i)</b> | Setting for "Event            | The setting was changed in the Event            |
|            | Information" changed          | Information window.                             |
| (1)        | Setting for "Notification"    | The setting was changed in the Event            |
|            | changed                       | Information window.                             |
| <b>3</b>   | "Buzzer Test" executed        | [Buzzer Test] in the Manual Operation menu was  |
|            |                               | executed.                                       |
| (1)        | "Self Test" executed          | [Self Test] in the Manual Operation menu was    |
|            |                               | executed.                                       |
| <b>(1)</b> | Setting for "Buzzer" changed  | The setting for [Buzzer] was changed in the UPS |
|            |                               | Setting menu.                                   |
| (1)        | Setting for "Battery Auto     | The setting for [Battery Auto Test] was changed |
|            | Test" changed                 | in the UPS Setting menu.                        |
| <b>3</b>   | "Backup Time Test" started    | [Backup Time Test] in the Manual Operation      |
|            |                               | menu was selected to start a test.              |
| <b>(i)</b> | "Backup Time Test" completed  | The test started by [Backup Time Test] in the   |

|            |                                | Manual Operation menu was completed.          |
|------------|--------------------------------|---|
| <b>(1)</b> | "Backup Time Test" canceled    | The test started by [Backup Time Test] in the |
|            |                                | Manual Operation menu was interrupted.        |
| <b>(i)</b> | Output from "Outlet            | Output from Outlet B was started by [Outlet   |
|            | B(Control)" started            | B(Control)] in the Manual Operation menu.     |
| <b>(i)</b> | Output from "Outlet            | Output from Outlet B was stopped by [Outlet   |
|            | B(Control)" stopped            | B(Control)] in the Manual Operation menu.     |
| <b>(i)</b> | Output from "Outlet            | Output from Outlet C was started by [Outlet   |
|            | C(Control)" started            | C(Control)] in the Manual Operation menu.     |
| <b>(1)</b> | Output from "Outlet            | Output from Outlet C was stopped by [Outlet   |
|            | C(Control)" stopped            | C(Control)] in the Manual Operation menu.     |
| <b>(1)</b> | Setting for "Input/Output      | The setting for [Input/Output Setting] was    |
|            | Setting" changed               | changed in the UPS Setting menu.              |
| <b>3</b>   | "Battery Unit" added           | A battery unit was added in UPS whose battery |
|            |                                | unit is expandable (BN150XR, etc.).           |
| (1)        | Resuming shutdown              | The shutdown operation interrupted using      |
|            |                                | Agent's menu was resumed.                     |
|            |                                |   |
| (1)        | Setting for "UPS Auto Stop"    | The setting was changed in the Shutdown       |
|            | changed                        | Parameter window.                             |
| (1)        | Setting for "Page Refresh      | The setting was changed in the Communication  |
|            | Rate" changed                  | Setting window.                               |
| (1)        | Setting for "Redundant Power   | The setting was changed in the Shutdown       |
|            | Supply Setting" changed        | Parameter window.                             |
| (1)        | "Syslog function" enabled      | The setting was changed in the Syslog Setting |
|            |                                | window.                                       |
| <b>(i)</b> | "Syslog function" disabled     | The setting was changed in the Syslog Setting |
|            |                                | window.                                       |
| <b>(i)</b> | Setting for "Syslog Setting"   | The setting was changed in the Syslog Setting |
|            | changed                        | window.                                       |
| (1)        | Setting for "Priority Setting" | The setting was changed in the Syslog Setting |
|            | changed                        | window.                                       |
| <b>(i)</b> | Setting for "Syslog Language   | The setting was changed in the Syslog Setting |
|            | Setting" changed               | window.                                       |
| <b>(i)</b> | Setting for "Setting" changed  | The setting was changed in the Wake On LAN    |
|            |                                | window.                                       |
| <b>(i)</b> | Setting for "Transmission      | The setting was changed in the Wake On LAN    |
|            | Timing" changed                | window.                                       |

| Setting for "Wake On LAN Destination" added window.  Setting for "Wake On LAN Destination" modified Registration window.  Setting for "Wake On LAN Destination" deleted Registration window.  Stopping output from Outlet A due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet A due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet A due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Output from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".   |            |                                |   |  |
|--|------------|--------------------------------|---|--|
| Setting for "Wake On LAN Destination" modified Setting for "Wake On LAN Destination" deleted Stopping output from Outlet A due to non-conformance with ping monitor judgment criteria Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria Stopping/starting output from Outlet B due to non-conformance with ping monitor judgment criteria Stopping/starting output from Outlet B due to non-conformance with ping monitor judgment criteria Stopping/starting output from Outlet B due to non-conformance with ping monitor judgment criteria Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet C due to conformance with ping monitor judgment criteria Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Fail".  The monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".   | <b>(i)</b> | Setting for "Wake On LAN       | The setting was changed in the Wake On LAN      |  |
| Destination" modified  Setting for "Wake On LAN Destination" deleted  Stopping output from Outlet A due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet A was stopped because the execution result of [Ping Monitor] was "Fail".  Output from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  The monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Fail".  The monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  |            | Destination" added             | window.   |  |
| Setting for "Wake On LAN Destination" deleted Registration window.  Stopping output from Outlet A due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C was stopped because the execution result of [Ping Monitor] was "Fail".  Output from Outlet C was stopped because the execution result of [Ping Monitor] was "Fail".  Output from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".  | (1)        | Setting for "Wake On LAN       | The setting was changed in the Slave Agent      |  |
| Destination" deleted  Stopping output from Outlet A due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C was stopped because the execution result of [Ping Monitor] was "Fail".  Output from Outlet C was stopped because the execution result of [Ping Monitor] was "Fail".  Output from Outlet A was stopped because the execution result of [Ping Monitor] was "Fail".  Output from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  |            | Destination" modified          | Registration window.                            |  |
| Ustuffrom Outlet A due to non-conformance with ping monitor judgment criteria  Ustopping output from Outlet B due to non-conformance with ping monitor judgment criteria  Ustopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Ustopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Ustopping/starting output from Outlet A was stopped because the execution result of [Ping Monitor] was "Fail".  Output from Outlet C was stopped because the execution result of [Ping Monitor] was "Fail".  Output from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  The monitoring of output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  The monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Fail".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".   | (1)        | Setting for "Wake On LAN       | The setting was changed in the Slave Agent      |  |
| due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Cutput from Outlet C was stopped because the execution result of [Ping Monitor] was "Fail".  Cutput from Outlet C was stopped because the execution result of [Ping Monitor] was "Fail".  Cutput from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Cutput from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Cutput from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Cutput from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Cutput from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Cutput from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Cutput from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Cutput from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Cutput from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Cutput from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".  Conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Cater of Ping Monitor] was "Pass".  Cutput from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".   |            | Destination" deleted           | Registration window.                            |  |
| ping monitor judgment criteria  Output from Outlet B was stopped because the execution result of [Ping Monitor] was "Fail".  Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Outlet A due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Accompany to the conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".  | (1)        | Stopping output from Outlet A  | Output from Outlet A was stopped because the    |  |
| Stopping output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  |            | due to non-conformance with    | execution result of [Ping Monitor] was "Fail".  |  |
| due to non-conformance with ping monitor judgment criteria  Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was output from Outlet C due to restarted because the execution result of [Ping Monitor] was "Pass".   |            | ping monitor judgment criteria |   |  |
| Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet A was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".   | (1)        | Stopping output from Outlet B  | Output from Outlet B was stopped because the    |  |
| Stopping output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  |            | due to non-conformance with    | execution result of [Ping Monitor] was "Fail".  |  |
| due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet A due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Stopping/starting output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  |            | ping monitor judgment criteria |   |  |
| ping monitor judgment criteria  Stopping/starting output from Outlet A due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet C was output from Outlet C due to  | (1)        | Stopping output from Outlet C  | Output from Outlet C was stopped because the    |  |
| Stopping/starting output from Outlet A due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet C was restarted because the execution result of [Ping  |            | due to non-conformance with    | execution result of [Ping Monitor] was "Fail".  |  |
| Outlet A due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  The monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".  |            | ping monitor judgment criteria |   |  |
| non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".   | (1)        | Stopping/starting output from  | Output from Outlet A was stopped and restarted  |  |
| Stopping/starting output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".   |            | Outlet A due to                | because the execution result of [Ping Monitor]  |  |
| Stopping/starting output from Outlet B due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Fail".  The monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".  |            | non-conformance with ping      | was "Fail".                                     |  |
| Outlet B due to non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".   |            | monitor judgment criteria      |   |  |
| non-conformance with ping monitor judgment criteria  Stopping/starting output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".   | <b>③</b>   | Stopping/starting output from  | Output from Outlet B was stopped and restarted  |  |
| Stopping/starting output from Outlet C due to non-conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".  |            | Outlet B due to                | because the execution result of [Ping Monitor]  |  |
| Output from Outlet C was stopped and restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Fail".  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".  |            | non-conformance with ping      | was "Fail".                                     |  |
| Outlet C due to non-conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet C due to  The monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet C was restarted because the execution result of [Ping   |            | monitor judgment criteria      |   |  |
| non-conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".  | 3          | Stopping/starting output from  | Output from Outlet C was stopped and restarted  |  |
| monitor judgment criteria  Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".  |            | Outlet C due to                | because the execution result of [Ping Monitor]  |  |
| Restarting the monitoring of output from Outlet A was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Monitor] was "Pass".  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping Monitor] was "Pass".   |            | non-conformance with ping      | was "Fail".                                     |  |
| output from Outlet A due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B due to conformance with ping monitor judgment criteria  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was output from Outlet C due to  The monitoring of output from Outlet C was restarted because the execution result of [Ping  |            | monitor judgment criteria      |   |  |
| conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Monitor] was "Pass".  The monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping output from Outlet C due to restarted because the execution result of [Ping output from Outlet C due to restarted because the execution result of [Ping output from Outlet C due to restarted because the execution result of [Ping output from Outlet C due to restarted because the execution result of [Ping output from Outlet C due to restarted because the execution result of [Ping output from Outlet C due to restarted because the execution result of [Ping output from Outlet C due to restarted because the execution result of [Ping output from Outlet C due to restarted because the execution result of [Ping output from Outlet C due to restarted because the execution result of [Ping output from Outlet C due to restarted because the execution result of [Ping output from Outlet C due to d | (1)        | Restarting the monitoring of   | The monitoring of output from Outlet A was      |  |
| monitor judgment criteria  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Monitor judgment criteria  Restarting the monitoring of output from Outlet C was output from Outlet C due to restarted because the execution result of [Ping Monitor] was "Pass".   |            | output from Outlet A due to    | restarted because the execution result of [Ping |  |
| Restarting the monitoring of output from Outlet B was output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet B was restarted because the execution result of [Ping Monitor] was "Pass".  Restarting the monitoring of output from Outlet C was output from Outlet C due to restarted because the execution result of [Ping Monitor] was "Pass".  |            | conformance with ping          | Monitor] was "Pass".                            |  |
| output from Outlet B due to conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet C due to restarted because the execution result of [Ping Monitor] was "Pass".  The monitoring of output from Outlet C was restarted because the execution result of [Ping   |            | monitor judgment criteria      |   |  |
| conformance with ping monitor judgment criteria  Restarting the monitoring of output from Outlet C was restarted because the execution result of [Ping   | 3          | Restarting the monitoring of   | The monitoring of output from Outlet B was      |  |
| monitor judgment criteria  Restarting the monitoring of output from Outlet C was output from Outlet C due to restarted because the execution result of [Ping   |            | output from Outlet B due to    | restarted because the execution result of [Ping |  |
| Restarting the monitoring of output from Outlet C was output from Outlet C due to restarted because the execution result of [Ping  |            | conformance with ping          | Monitor] was "Pass".                            |  |
| output from Outlet C due to restarted because the execution result of [Ping  |            | monitor judgment criteria      |   |  |
|  | (1)        | Restarting the monitoring of   | The monitoring of output from Outlet C was      |  |
| conformance with ping Monitor] was "Pass".   |            | output from Outlet C due to    | restarted because the execution result of [Ping |  |
|  |            | conformance with ping          | Monitor] was "Pass".                            |  |

| •          |                              |  |
|------------|------------------------------|--|
|            | monitor judgment criteria    |  |
| <b>i</b> ) | No response to ping from     | As a result of [Ping Monitor] execution, no                  |
|            | several devices connected to | response came from devices set to Outlet A.                  |
|            | Outlet A                     |  |
| (1)        | No response to ping from     | As a result of [Ping Monitor] execution, no                  |
|            | several devices connected to | response came from devices set to Outlet B.                  |
|            | Outlet B                     |  |
| <b>(i)</b> | No response to ping from     | As a result of [Ping Monitor] execution, no                  |
|            | several devices connected to | response came from devices set to Outlet C.                  |
|            | Outlet C                     |  |
| <b>(i)</b> | Stopping the UPS due to      | The UPS was stopped because the execution                    |
|            | non-conformance with ping    | result of [Ping Monitor] was "Fail".                         |
| (          | monitor judgment criteria    |  |
| (1)        | Rebooting the UPS due to     | The UPS was stopped/rebooted because the                     |
|            | non-conformance with ping    | execution result of [Ping Monitor] was "Fail".               |
|            | monitor judgment criteria    |  |
| <b>①</b>   | Remote computer shut down    | As a result of [Ping Monitor] execution, remote              |
|            | by a Ping Monitor script     | computer script shutdown operation was                       |
| <b>(3)</b> | CNIMP consider atoms d       | performed.   |
| (1)        | SNMP service started         | The setting was changed in the Communication                 |
| <b>(i)</b> | CNMD convine atonned         | Setting window.  |
| 9          | SNMP service stopped         | The setting was changed in the Communication Setting window. |
| <b>(i)</b> | SNMP V1 started              | The setting was changed in the Communication                 |
| )          | Sivivii vi starteu           | Setting window.  |
| <b>3</b>   | SNMP V1 stopped              | The setting was changed in the Communication                 |
| 7          | Crim VI Stopped              | Setting window.  |
| <b>(i)</b> | SNMP V3 started              | The setting was changed in the Communication                 |
| ,          |                              | Setting window.  |
| <b>3</b>   | SNMP V3 stopped              | The setting was changed in the Communication                 |
|            |                              | Setting window.  |
| <b>(i)</b> | SNMP V1 Access Right         | The setting was changed in the SNMP V1 Setting               |
|            | added                        | window.  |
|            |                              |  |
| <b>(i)</b> | SNMP V1 Access Right         | The setting was changed in the SNMP V1 Setting               |
|            | deleted                      | window.  |
| <b>(1)</b> | SNMP V1 Access Right         | The setting was changed in the SNMP V1 Setting               |
|            | changed                      | window.  |
|            |                              |  |

| SNMP V3 Access Right added window.  SNMP V3 Access Right deleted window.  SNMP V3 Access Right deleted window.  SNMP V3 Access Right changed in the SNMP V3 Setting window.  SNMP V1 TRAP added The setting was changed in the SNMP V3 Setting window.  SNMP V1 TRAP added The setting was changed in the SNMP V1 Setting window.  SNMP V1 TRAP deleted The setting was changed in the SNMP V1 Setting window.  SNMP V1 TRAP changed The setting was changed in the SNMP V1 Setting window.  SNMP V3 TRAP added The setting was changed in the SNMP V1 Setting window.  SNMP V3 TRAP added The setting was changed in the SNMP V3 Setting window.  SNMP V3 TRAP deleted The setting was changed in the SNMP V3 Setting window.  SNMP V3 TRAP changed The setting was changed in the SNMP V3 Setting window.  Script Shutdown setting added The setting was changed in the Script Shutdown window.  Script Shutdown setting The setting was changed in the Script Shutdown window.  Script Shutdown setting The setting was changed in the Script Shutdown window.  Setting for "Logoff Time" The setting was changed in the Communication Setting window.  Maximum backup time changed window.  The setting was changed in the Other Device window.  The setting was changed in the UPS Boot/Reboot Setting window.  Send Output Delay Command Setting was changed in the UPS Boot/Reboot Setting window.  Send Output Delay Command Setting was changed in the UPS Boot/Reboot Setting window.  Send Output Delay Command The setting was changed in the UPS Boot/Reboot Setting window.  Send Output Delay Command The setting was changed in the UPS Boot/Reboot Setting window.  The setting was changed in the UPS Boot/Reboot Setting window.  The setting was changed in the UPS Boot/Reboot Setting window.  The setting was changed in the UPS Boot/Reboot Setting window.  The setting was changed in the UPS Boot/Reboot Setting window.  The setting was changed in the UPS Boot/Reboot Setting window.  |            |                                 |   |
|--|------------|---------------------------------|---|
| SNMP V3 Access Right deleted window.  SNMP V3 Access Right changed window.  SNMP V1 TRAP added The setting was changed in the SNMP V3 Setting window.  SNMP V1 TRAP added The setting was changed in the SNMP V1 Setting window.  SNMP V1 TRAP deleted The setting was changed in the SNMP V1 Setting window.  SNMP V1 TRAP changed The setting was changed in the SNMP V1 Setting window.  SNMP V3 TRAP added The setting was changed in the SNMP V3 Setting window.  SNMP V3 TRAP added The setting was changed in the SNMP V3 Setting window.  SNMP V3 TRAP deleted The setting was changed in the SNMP V3 Setting window.  SNMP V3 TRAP changed The setting was changed in the SNMP V3 Setting window.  Script Shutdown setting added The setting was changed in the SNMP V3 Setting window.  Script Shutdown setting added The setting was changed in the Script Shutdown window.  Script Shutdown setting added The setting was changed in the Script Shutdown window.  Script Shutdown setting added Window.  Script Shutdown setting added The setting was changed in the Script Shutdown window.  Script Shutdown setting Changed Window.  Maximum backup time Changed Setting was changed in the Communication Setting window.  Wasimum backup time Changed Window.  Wasimum backup time Setting was changed in the UPS Boot/Reboot Setting window.  Wasimum backup time Setting Was changed in the UPS Boot/Reboot Setting window.  Wasimum backup time Setting was changed in the UPS Boot/Reboot Setting window.  Wasimum backup time Setting was changed in the UPS Boot/Reboot Setting window.  Wasimum backup time Setting was changed in the UPS Boot/Reboot Setting window.  Wasimum backup time Setting was changed in the UPS Boot/Reboot Setting window.  Wasimum backup time Setting was changed in the UPS Boot/Reboot Setting window.   | <b>3</b>   | SNMP V3 Access Right            |   |
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| SNMP V3 Access Right changed window.  SNMP V1 TRAP added Window.  SNMP V1 TRAP added The setting was changed in the SNMP V1 Setting window.  SNMP V1 TRAP deleted The setting was changed in the SNMP V1 Setting window.  SNMP V1 TRAP changed The setting was changed in the SNMP V1 Setting window.  SNMP V3 TRAP added The setting was changed in the SNMP V3 Setting window.  SNMP V3 TRAP added The setting was changed in the SNMP V3 Setting window.  SNMP V3 TRAP deleted The setting was changed in the SNMP V3 Setting window.  SNMP V3 TRAP changed The setting was changed in the SNMP V3 Setting window.  Script Shutdown setting added The setting was changed in the SNMP V3 Setting window.  Script Shutdown setting added The setting was changed in the Script Shutdown window.  Script Shutdown setting The setting was changed in the Script Shutdown window.  Setting for "Logoff Time" The setting was changed in the Communication Setting window.  Setting window.  Waximum backup time changed Setting window.  Waximum backup time changed Boot/Reboot Setting window.  UPS start Delay Time setting The setting was changed in the UPS Boot/Reboot Setting window.  UPS cold Start setting The setting was changed in the UPS Boot/Reboot Setting window.  WUPS reboot condition changed The setting was changed in the UPS Boot/Reboot Setting window.  Notification Delay Time setting The setting was changed in the UPS Boot/Reboot Setting window.  The setting was changed in the UPS Boot/Reboot Setting window.  Preserved the SNMP V1 Setting was changed in the UPS Boot/Reboot Setting window.  The setting was changed in the UPS Boot/Reboot Setting window.   | (1)        | SNMP V3 Access Right            | The setting was changed in the SNMP V3 Setting  |
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| Boot/Reboot Setting window.  Notification Delay Time setting The setting was changed in the Event Log Option   |            | setting changed                 | Boot/Reboot Setting window.                     |
| Notification Delay Time setting    The setting was changed in the Event Log Option   | (1)        | UPS reboot condition changed    | The setting was changed in the UPS              |
|  |            |                                 | Boot/Reboot Setting window.                     |
| changed window.  | (1)        | Notification Delay Time setting | The setting was changed in the Event Log Option |
|  |            | changed                         | window.   |

| (1)        | POP Before SMTP setting   | The setting was changed in the Mail Setting  |
|------------|---------------------------|--|
|            | changed                   | window.                                      |
| <b>(i)</b> | Administrator setting     | The setting was changed in the Administrator |
|            | changed                   | Information window.                          |
| (1)        | Script Shutdown started   | Script Shutdown was executed.                |
| <b>3</b>   | VMware end processing     | VMware end processing was executed.          |
|            | started                   |  |
| (1)        | Broadcast setting changed | The setting was changed in the Communication |
|            |                           | Setting window.                              |
| <b>(i)</b> | Ping setting changed      | The setting was changed in the Ping Monitor  |
|            |                           | Setting window.                              |

#### 3. 2 External command execution by event information

By associating a type of event information with a command in advance, when an event occurs, this function can automatically execute the command associated with that event.

## [Setting procedure]

- ① Start text editor software such as Notepad.
- Write an association between an event and a command to be executed in the following format.

Event code = Command name

Event code: Write a PowerAct Pro event code in hexadecimal digits.

(For details on event codes, see "Event code list".)

Command name: Write a command to be executed with full path.

(Besides a Windows command, an .exe file created by the user on his/her own can be also used)

Example: 0x409 = C:\OMRON\test.exe

When the event 0x409 (Communication error) occurs, test.exe in the C:\OMRON folder is executed.

You can write a maximum of 10 lines with "event code = command name" counted as one line.

(= a maximum of 10 rules can be set.)

- 3 Save the created file in the installation folder of PowerAct Pro (Default: "C:\Program Files\PowerAct Pro(Master Agent)") as the file name "ExternalSetting.ini".
- Restart PowerAct Pro Agent.
   From the icon menu in the task tray, run "Agent Stop", then "Agent Start" to restart.

Alternatively, restart the computer where PowerAct Pro is installed. Then, this function is enabled.

# [Event code list]

The events shown as follows can be set.

| "Critical" category |   |  |  |
|---------------------|---|--|--|
| Event code          | Event code Description                              |  |  |
| 0x800               | Battery Low   |  |  |
| 0x801               | Shutdown start (AC fail)                            |  |  |
| 0x802               | Shutdown start by Special day schedule action       |  |  |
| 0x803               | Shutdown start by Every month schedule action       |  |  |
| 0x804               | Shutdown start by Every week schedule action        |  |  |
| 0x805               | Shutdown start by Shutdown immediately              |  |  |
| 0x806               | Run External command                                |  |  |
| 0x807               | Close App start                                     |  |  |
| 0x808               | OS shutdown start                                   |  |  |
| 0x809               | UPS hardware is abnormal                            |  |  |
| 0x80A               | Output over voltage                                 |  |  |
| 0x80B               | DC bus voltage abnormal                             |  |  |
| 0x80C               | Over Load Time out                                  |  |  |
| 0x80D               | Output short  |  |  |
| 0x80E               | Battery Over charge                                 |  |  |
| 0x80F               | Battery under charge                                |  |  |
| 0x810               | Over Temperature                                    |  |  |
| 0x811               | FAN Fail  |  |  |
| 0x812               | TX Fail   |  |  |
| 0x813               | Battery Weak  |  |  |
| 0x814               | Self test(Function Test): NG(Battery Weak)          |  |  |
| 0x815               | Self test(Function Test): NG(UPS hardware abnormal) |  |  |
| 0x816               | Battery Auto Test: NG(Battery Weak)                 |  |  |
| 0x817               | Battery Auto Test: NG(UPS hardware abnormal)        |  |  |
| "Warning" category  |   |  |  |
| Event code          | Description   |  |  |
| 0x400               | AC line failure                                     |  |  |
| 0x401               | Schedule Shutdown Warning Start(Special Day)        |  |  |
| 0x402               | Schedule Shutdown Warning Start(Every Month)        |  |  |
| 0x403               | Schedule Shutdown Warning Start(Every Week)         |  |  |
| 0x404               | Shutdown Pause                                      |  |  |
| 0x405               | Over Load   |  |  |
| 0x406               | Output condition (Boost up / down)                  |  |  |

| 0x407      | Battery Disconnect                                     |
|------------|--|
| 0x408      | Bypass   |
| 0x409      | Communication error                                    |
|            | "Information" category                                 |
| Event code | Description  |
| 0x000      | Recovery of input power supply                         |
| 0x001      | Establishment of communication                         |
| 0x002      | Agent Start  |
| 0x003      | Agent Stop   |
| 0x004      | Self test: OK  |
| 0x005      | Battery Auto Test result: OK                           |
| 0x006      | Setting for "Select UPS Outlet" changed                |
| 0x007      | Setting for "AC Fail Delay Time" changed               |
| 0x008      | Setting for "Shutdown Start Delay Time" changed        |
| 0x009      | Setting for "Shutdown Need Time" changed               |
| 0x00A      | Setting for "コンセント出力停止までの                              |
|            | 時間@@Outlet Output Stop Delay Time@@" changed           |
| 0x00B      | Setting for "Outlet Delay Time of UPS Boot Up" changed |
| 0x00C      | Setting for "Select OS Shutdown Mode" changed          |
| 0x00D      | Setting for "UPS Auto Reboot" changed                  |
| 0x00E      | Setting for "First Warning Message" changed            |
| 0x00F      | Setting for "Warning Interval" changed                 |
| 0x010      | Setting for "Schedule Action Start Warning" changed    |
| 0x011      | Setting for "Maximum Event Log Record Time" changed    |
| 0x012      | Setting for "Maximum Data Log Record Time" changed     |
| 0x013      | Setting for "Record Interval Time(On Line)" changed    |
| 0x014      | Setting for "Record Interval Time(On Battery)" changed |
| 0x015      | Setting for "Communication Port" added                 |
| 0x016      | Setting for "Communication Port" deleted               |
| 0x017      | Setting related to "Network Port Address" changed      |
| 0x018      | Setting for "SMTP Mail" changed                        |
| 0x019      | Setting for "Schedule Action (Special Day)" added      |
| 0x01A      | Setting for "Schedule Action (Monthly)" added          |
| 0x01B      | Setting for "Schedule Action (Weekly)" added           |
| 0x01C      | Setting for "Schedule Action (Special Day)" changed    |
| 0x01D      | Setting for "Schedule Action (Monthly)" changed        |
| 0x01E      | Setting for "Schedule Action (Weekly)" changed         |
| 0x01F      | Setting for "Schedule Action (Special Day)" deleted    |

|       | <u> </u>  |
|-------|---|
| 0x020 | Setting for "Schedule Action (Monthly)" deleted               |
| 0x021 | Setting for "Schedule Action (Weekly)" deleted                |
| 0x022 | Setting for "Run External Command Executed Time" changed      |
| 0x023 | Setting for "External Command" added                          |
| 0x024 | Setting for "External Command" deleted                        |
| 0x025 | Setting for "Notification To User" changed                    |
| 0x026 | Setting for "Battery use date (Battery Changed Date)" updated |
| 0x027 | Default value for "Shutdown Parameter" set                    |
| 0x028 | Default value set for "UPS Boot/Reboot"                       |
| 0x029 | Default value set for "Log"                                   |
| 0x02A | Default value for "Communication Setting" set                 |
| 0x02B | Setting for "Event Information" changed                       |
| 0x02C | Setting for "Notification" changed                            |
| 0x02E | "Buzzer Test" executed  |
| 0x02F | "Self Test" executed  |
| 0x030 | Setting for "Buzzer" changed                                  |
| 0x031 | Setting for "Battery Auto Test" changed                       |
| 0x032 | "Backup Time Test" started                                    |
| 0x033 | "Backup Time Test" completed                                  |
| 0x034 | "Backup Time Test" canceled                                   |
| 0x035 | Output from "Outlet B(Control)" started                       |
| 0x036 | Output from "Outlet B(Control)" stopped                       |
| 0x037 | Output from "Outlet C(Control)" started                       |
| 0x038 | Output from "Outlet C(Control)" stopped                       |
| 0x039 | Setting for "Input/Output Setting" changed                    |
| 0x03A | "Battery Unit" added  |
| 0x03B | Resuming shutdown   |
| 0x065 | Setting for "UPS Auto Stop" changed                           |
| 0x066 | Setting for "Page Refresh Rate" changed                       |
| 0x067 | Setting for "Redundant Power Supply Setting" changed          |
| 0x068 | "Syslog function" enabled                                     |
| 0x069 | "Syslog function" disabled                                    |
| 0x06A | Setting for "Syslog Setting" changed                          |
| 0x06B | Setting for "Priority Setting" changed                        |
| 0x06C | Setting for "Syslog Language Setting" changed                 |
| 0x06D | Setting for "Setting" changed                                 |
| 0x06E | Setting for "Transmission Timing" changed                     |
| 0x06F | Setting for "Wake On LAN Destination" added                   |
|       | I   |

| <u></u> |  |
|---------|--|
| 0x070   | Setting for "Wake On LAN Destination" modified                     |
| 0x071   | Setting for "Wake On LAN Destination" deleted                      |
| 0x072   | Stopping output from Outlet A due to non-conformance with ping     |
|         | monitor judgment criteria  |
| 0x073   | Stopping output from Outlet B due to non-conformance with ping     |
|         | monitor judgment criteria  |
| 0x074   | Stopping output from Outlet C due to non-conformance with ping     |
|         | monitor judgment criteria  |
| 0x075   | Stopping/starting output from Outlet A due to non-conformance with |
|         | ping monitor judgment criteria                                     |
| 0x076   | Stopping/starting output from Outlet B due to non-conformance      |
|         | with ping monitor judgment criteria                                |
| 0x077   | Stopping/starting output from Outlet C due to non-conformance      |
|         | with ping monitor judgment criteria                                |
| 0x078   | Restarting the monitoring of output from Outlet A due to           |
|         | conformance with ping monitor judgment criteria                    |
| 0x079   | Restarting the monitoring of output from Outlet B due to           |
|         | conformance with ping monitor judgment criteria                    |
| 0x07A   | Restarting the monitoring of output from Outlet C due to           |
|         | conformance with ping monitor judgment criteria                    |
| 0x07B   | No response to ping from several devices connected to Outlet A     |
| 0x07C   | No response to ping from several devices connected to Outlet B     |
| 0x07D   | No response to ping from several devices connected to Outlet C     |
| 0x07E   | Stopping the UPS due to non-conformance with ping monitor          |
|         | judgment criteria  |
| 0x07F   | Rebooting the UPS due to non-conformance with ping monitor         |
|         | judgment criteria  |
| 0x080   | Remote computer shut down by a Ping Monitor script                 |
| 0x081   | SNMP service started   |
| 0x082   | SNMP service stopped   |
| 0x083   | SNMP V1 started  |
| 0x084   | SNMP V1 stopped  |
| 0x085   | SNMP V3 started  |
| 0x086   | SNMP V3 stopped  |
| 0x087   | SNMP V1 Access Right added   |
| 0x088   | SNMP V1 Access Right deleted                                       |
| 0x089   | SNMP V1 Access Right changed                                       |
| 0x08A   | SNMP V3 Access Right added   |
| L       |  |

| 0x8B | SNMP V3 Access Right deleted              |
|------|---|
| 0x8C | SNMP V3 Access Right changed              |
| 0x8D | SNMP V1 TRAP added                        |
| 0x8E | SNMP V1 TRAP deleted                      |
| 0x8F | SNMP V1 TRAP changed                      |
| 0x90 | SNMP V3 TRAP added                        |
| 0x91 | SNMP V3 TRAP deleted                      |
| 0x92 | SNMP V3 TRAP changed                      |
| 0x93 | Script Shutdown setting added             |
| 0x94 | Script Shutdown setting deleted           |
| 0x95 | Script Shutdown setting changed           |
| 0x96 | Setting for "Logoff Time" changed         |
| 0x97 | Maximum backup time changed               |
| 0x98 | UPS Start Delay Time setting changed      |
| 0x99 | USP Cold Start setting changed            |
| 0x9A | Send Output Delay Command setting changed |
| 0x9B | UPS reboot condition changed              |
| 0x9C | Notification Delay Time setting changed   |
| 0x9D | POP Before SMTP setting changed           |
| 0x9E | Administrator setting changed             |
| 0x9F | Script Shutdown started                   |
| 0xA0 | VMware end processing started             |
| 0xA1 | Broadcast setting changed                 |
| 0xA2 | Ping setting changed                      |
|      |   |

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