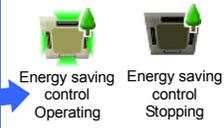
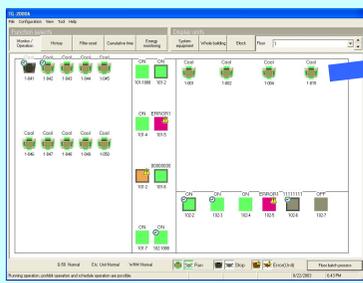


ENERGY SAVING/PEAK-CUT OPERATION METHOD OF TG-200A (INTEGRATED CENTRALIZED CONTROL SOFTWARE)

Monitoring Energy Saving Control Status



When the energy saving control is operated, the group icon on the floor screen changes to that of "Under energy saving control."
 Energy saving control under operation
 : Controlling the temperature
 : Controlling the fan mode
 Energy saving control under stopping

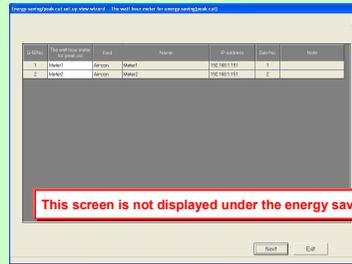
Confirming control detail

Selecting the "View" - "Energy-saving/peak cut set-up view" from the control screen menu displays "Energy-saving/peak cut set-up view screen." Press "Next" to advance to the target screen.

Changing control detail

Moves to the initial setting screen. (For detail, refer to "Normal Operation Method.") Press the "Energy saving set-up" button.

Confirming Energy Saving Setting Detail



The information on the WHM for peak cutting assigned to each G-50A can be confirmed.

This screen is not displayed under the energy saving control.

Screen to confirm the WHMs used

Changing Energy Saving Setting Detail



The screen of "Energy saving/peak cut setting wizard" appears.

Press "OK."

Caution:
 If any damage is caused by a case such that the power consumption exceeds the contract demand due to the setting detail of G-50A or PLC in the peak cut function, the damage will not be compensated. You are kindly requested to understand the above in use.

Screen of energy saving/peak cut setting wizard

● The daily/monthly report CSV file will automatically be created by conducting the peak cut control, and be stored in a specified folder for a period of two years maximum.
 Daily Report:G50PC[year]-[month]-[day].csv
 Monthly Report:G50PC[year]-[month].csv

Preparation of Daily/Monthly Reports

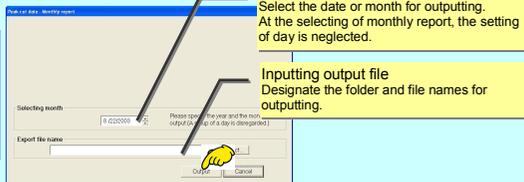
Select [Tool] - [Peak cut data] from the menu of control screen.
 Select [Daily report] or [Monthly report].



Valid only at peak cut controlling.

Preparation Method of Daily/Monthly Report

Item	Detail
Daily Report	History data of control level with 1 minute interval and electric power per 30 minutes (in a unit of day) Possible to output for the past 31 days maximum
Monthly report	History data of WHMs used per day (in a unit of month) Possible to output for the past 62 days maximum



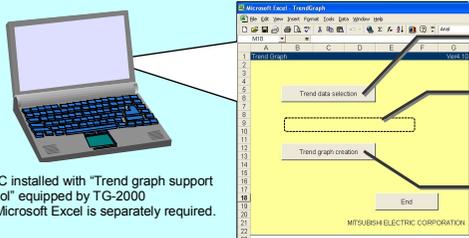
Selecting date
 Select the date or month for outputting. At the selecting of monthly report, the setting of day is neglected.

Inputting output file
 Designate the folder and file names for outputting.

● Please always operate the TG-2000A. When the TG-2000A is stopping, the data of daily and monthly reports can not be collected and outputted.



Merely pressing the [Output] button stores the CSV file in a designated folder.



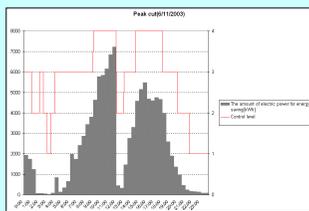
Selecting file
 Selects the file being output a little while ago.

Displaying the selected file name
 Displays the selected file name. (Example) A:\TrendData\2003\07\Temp2003-07-07B003.CSV

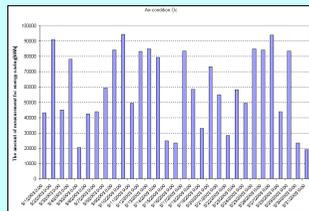
Preparing file
 Prepares the trend graph.

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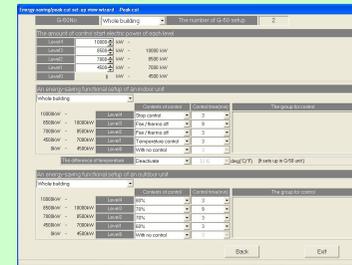
The trend graph of daily report and monthly report is prepared.



Daily report (Electric power consumption and control level)



Monthly report (Electric power consumption)

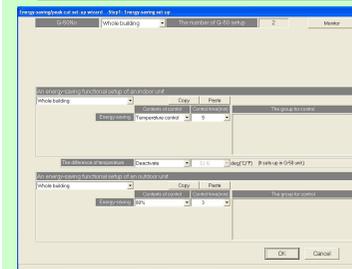


The detail of the energy saving control and peak cut control can be confirmed. At the energy saving control, the level 0 of the energy saving function setting is only displayed.

Screen to confirm energy saving setting/peak cut control

● The control for change can not be done on this screen.

Changing energy saving setting

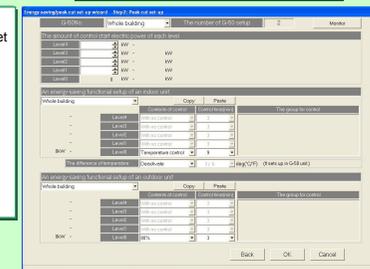


The detailed energy saving control can be set for each G-50A.

The setting methods include;
 [Indoor unit energy saving setting] and [Outdoor unit energy saving setting]
 Set it depending on the equipment to be controlled.

Screen to set energy saving

Changing peak cut setting



Both the electric power to start control and the detail of energy saving control for each G-50A at various levels can be set.

The setting methods include;
 [Indoor unit energy saving setting]
 [Outdoor unit energy saving setting] and [Setting of electric power to start control]

Screen to set peak cut control

[Indoor unit energy saving setting]
 (1) Select the target block to be controlled by using the ▼ button.
 (2) Select the detail of the control by using the ▼ button.
 Control detail: No control
 Temperature control
 fan/thermostat OFF control
 Control to stop
 (3) Select the control time with the ▼ button.
 Control time : 3/6/9/15/30 minutes
 (4) Repeat the control of (1) to (3) for each block. (Copying/pasting functions can also be used.)
 (5) Set to invalid the energy saving control by excluding outdoor temperature difference (*1).
 Setting detail : Invalid, Valid (3-9°C)

[Outdoor unit energy saving setting]
 (1) Select the target outdoor unit to be controlled by using the ▼ button.
 (2) Select the detail of the control by using the ▼ button.
 Control detail : No control.
 Capacity saving ratio 60%~90%/10%
 (3) Select the control time with the ▼ button.
 Control time : 3/6/9/15/30 minutes
 (4) Repeat the control of (1) ~ (3) for each block. (Copying/pasting functions can also be used.)

[Setting of electric power to start control]
 (1) Select the target G-50A to be controlled by using the ▼ button.
 (2) Set electric power to start control at each level by using the ▲▼ button.
 (3) Set the detailed energy saving control of indoor unit at each level. (Refer to [Indoor unit energy saving setting].)
 (4) Set the detailed energy saving control of outdoor unit at each level. (Refer to [Outdoor unit energy saving setting].)

*1 : This function disables energy saving control if the temperature difference between the set temperature and the room temperature exceeds the rated value (3-9°C). This setting is a batch control in a unit of G-50A.