

# USER'S MANUAL

ORIGINAL INSTRUCTIONS

## CENTRAL CONTROL (CENTER CONSOLE) SC-SL4-AE, SC-SL4-BE

### SC-SL4-AE

### SC-SL4-BE

(with Calculating Function /  
avec fonction de calcul /  
mit Berechnungsfunktion /  
con funzione di calcolo /  
Con función de cálculo /  
met calculatiefunctie /  
com função de cálculo /  
με λειτουργία υπολογισμού /  
с функцией вычисления /  
Hesaplama Fonksiyonu /  
z funkcją obliczeń)

### WEB MONITORING

CENTRAL CONTROL SC-SL4-AE, SC-SL4-BE

### CONTRÔLE PAR INTERNET

CONSOLE CENTRALE SC-SL4-AE, SC-SL4-BE

### WEBÜBERWACHUNG

Hauptsteuerpult SC-SL4-AE, SC-SL4-BE

### MONITORAGGIO WEB

CONSOLE CENTRALE SC-SL4-AE, SC-SL4-BE

### MONITORIZACIÓN WEB

CONSOLA CENTRAL SC-SL4-AE, SC-SL4-BE

### WEBCONTROLE

CENTRALE CONSOLE SC-SL4-AE, SC-SL4-BE

### MONITORIZAÇÃO WEB

CENTER CONSOLE SC-SL4-AE, SC-SL4-BE

### ΔΙΑΔΙΚΤΥΑΚΗ ΠΑΡΑΚΟΛΟΥΘΗΣΗ

ΚΕΝΤΡΙΚΗ ΚΟΝΣΟΛΑ SC-SL4-AE, SC-SL4-BE

### ВЕБ-МОНИТОРИНГ

ЦЕНТРАЛЬНЫЙ КОНТРОЛЛЕР SC-SL4-AE, SC-SL4-BE

### WEB İZLEME

MERKEZİ KONSOL SC-SL4-AE, SC-SL4-BE

### MONITORING PRZEZ PRZEGLĄDARKĘ WWW

STEROWNIK CENTRALNY SC-SL4-AE, SC-SL4-BE

ENGLISH

FRANÇAIS

DEUTSCH

ITALIANO

ESPAÑOL

NEDERLANDS

PORTUGUÊS

ΕΛΛΗΝΙΚΑ

РУССКИЙ

TÜRKÇE

POLSKI



This center console complies with EMC Directive 2014/30/EU, LV Directive 2014/35/EU, RoHS Directive 2011/65/EU.  
CE marking is applicable to the area of 50 Hz power supply.

Cette console centrale est conforme à la directive CEM 2014/30/UE, à la directive basse tension 2014/35/UE et à la directive RoHS 2011/65/UE.  
La marque CE s'applique aux régions alimentées en courant de 50 Hz.

Diese Mittelkonsole erfüllt die Richtlinien zur elektromagnetischen Verträglichkeit 2014/30/EU, die Niederspannungsrichtlinien 2014/35/EU und die RoHS-Richtlinie 2011/65/EU.  
Die CE-Marke gilt für Bereiche mit einer Netzstromversorgung von 50 Hz.

Questa console centrale è conforme alla Direttiva EMC 2014/30/UE, alla Direttiva LV 2014/35/UE e alla Direttiva RoHS 2011/65/UE.  
Il marchio CE è applicabile alla fascia di alimentazione 50 Hz.

Esta consola central cumple con la Directiva de Compatibilidad Electromagnética 2014/30/UE, con la Directiva de Baja Tensión 2014/35/UE y con la Directiva RoHS 2011/65/UE.  
La indicación CE solo corresponde al área de suministro eléctrico de 50 Hz.

Deze centrale console voldoet aan EMC-Richtlijn 2014/30/EU, LV-Richtlijn 2014/35/EU, RoHS-Richtlijn 2011/65/EU.  
CE-markering is van toepassing op het gebied met een netstroom van 50 Hz.

Esta consola central está em conformidade com a Diretiva EMC 2014/30/UE, a Diretiva LV 2014/35/UE e a Diretiva RoHS 2011/65/UE.  
A marca CE aplica-se à zona de fornecimento de energia a 50 Hz.

Αυτή η κεντρική κονσόλα συμμορφώνεται προς την Οδηγία 2014/30/ΕΕ περί ηλεκτρομαγνητικής συμβατότητας, προς την οδηγία 2014/35/ΕΕ περί χαμηλής τάσης και προς την Οδηγία 2011/65/ΕΕ περί RoHS.  
Το σήμα CE ισχύει μόνον σε περιοχές όπου η τροφοδοσία είναι 50 Hz.

Этот центральный пульт управления соответствует требованиям директивы по электромагнитной совместимости 2014/30/EU, директивы по низковольтному оборудованию 2014/35/EU, директивы RoHS 2011/65/EU.  
Маркировка CE нанесена в области источника питания, работающего на частоте 50 Гц.

Bu orta konsol, 2014/30/EU sayılı EMC Direktifi, 2014/35/EU sayılı LV Direktifi ve 2011/65/EU sayılı RoHS Direktifi ile uyumludur.  
CE işareti, 50 Hz güç kaynağı için geçerlidir.

Sterownik centralny spełnia wymagania dyrektywy EMC 2014/30/EU, dyrektywy niskonapięciowej 2014/35/EU oraz dyrektywy RoHS 2011/65/EU.  
Oznakowanie CE dotyczy wyłącznie regionów, w których częstotliwość napięcia zasilającego wynosi 50 Hz.

PJZ012A174

201803

Thank you for purchasing Central Control SC-SL4-AE, SC-SL4-BE.

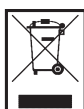
Before using the product, read this user's manual thoroughly to ensure you learn how to operate it correctly. After reading this manual, store it in a safe location for future reference. It will be helpful to reference this manual should you have any questions or problems. Also read the user's manual attached to the air conditioner.

ENGLISH

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## ■ PRECAUTIONS FOR WASTE DISPOSAL



Your central control may be marked with this symbol. It means that waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) should not be mixed with general household waste. Central control should be treated at an authorized treatment facility for reuse, recycling and recovery and not be disposed of in the municipal waste stream. Please contact the installer or local authority for more information.



This symbol printed in the batteries attached to your central control is information for end-users according to the EU directive 2006/66/EC article 20 annex II.

Batteries, at their end-of-life, should be disposed of separately from general household waste.

If a chemical symbol is printed beneath the symbol shown above, this chemical symbol means that the batteries contain a heavy metal at a certain concentration. This will be indicated as follows: Hg:mercury (0.0005%), Cd:cadmium (0.002%), Pb:lead(0.004%)

Please, dispose of batteries correctly at your local community waste collection or recycling center.

# Introduction

This web monitoring system monitors and operates air conditioner connected to Central Control SC-SL4-AE or SC-SL4-BE (hereafter called “SL4”) from a web browser on your PC.

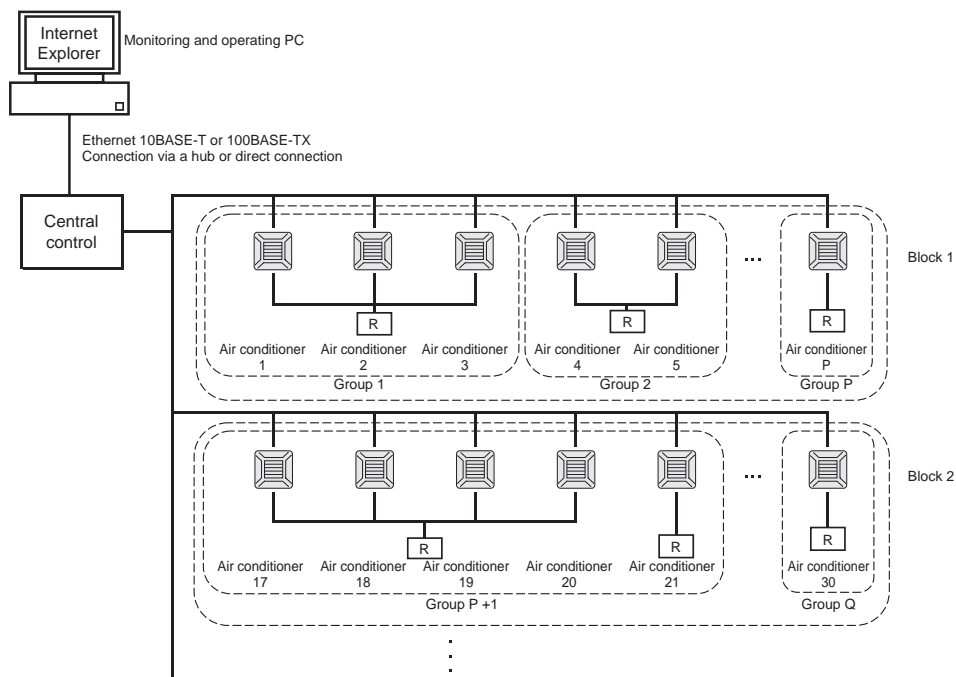
Also, please refer to the User’s Manual of the SL4 central control.

## Outline of the System

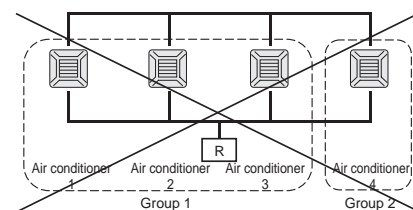
The following figure shows the basic system configuration. The SL4 central control connected to the air conditioner is linked directly to the monitoring and operating PC.

The web monitoring system can monitor and operate the air conditioner by the group. It cannot monitor and operate the units by the block.

The block settings must be configured in the SL4 central control unit.



- A maximum of 16 air conditioner can be set up in one group.
- Do not use one remote controller for different groups of air conditioner.
- A maximum of 12 groups can be set up in one block.
- A maximum of 20 blocks can be set up.



: Remote controller

## PC Environments

### • Specifications of PC

The PC to be used with this product is not provided with the system. You must prepare it separately. The following describes the minimum performance requirements for the PC.

- CPU clock : Pentium 500 MHz or higher (2 GHz or higher is recommended)
- Memory : 512 MB or more (1 GB or more is recommended)
- Screen resolution : 1280 x 1024 or higher (1366 x 768 is recommended)

## • Operating System and Web Browser

The following table shows the supported combinations of operating systems and web browsers.  
If you want to use other combinations, contact your dealer.

	Internet Explorer 10	Internet Explorer 11	Edge
Windows® 7	×	○	×
Windows® 8	×	×	×
Windows® 8.1	×	○	×
Windows® 10	×	○	○(**)

○: Can be used, ×: Cannot be used

\* Restart Internet Explorer regularly.

\* Windows and Windows Vista are the registered trademarks of Microsoft Corporation in the United States and/or other countries.

\*\* It may be different from display of Internet Explorer in a certain screen, but does not influence operation.

## Connection

### • Connecting to Dedicated Ethernet

Directly connect this product to your PC using a 10BASE-T or 100BASE-TX ethernet cable.  
If you are using a hub, do not connect other devices to the hub.

### • Connecting to the Internet or an Intranet in the Building

If you want to connect this product to the Internet or an intranet (office LAN) within the building, contact your dealer. This is a charged service.

## Initial Settings of the PC

### • Settings for Dedicated Ethernet

Communication settings (TCP/IP settings) must be configured for the monitoring and operating PC.  
Refer to the user's manual of the PC for details.

To use this product with the factory default IP address, configure the following settings in the PC:

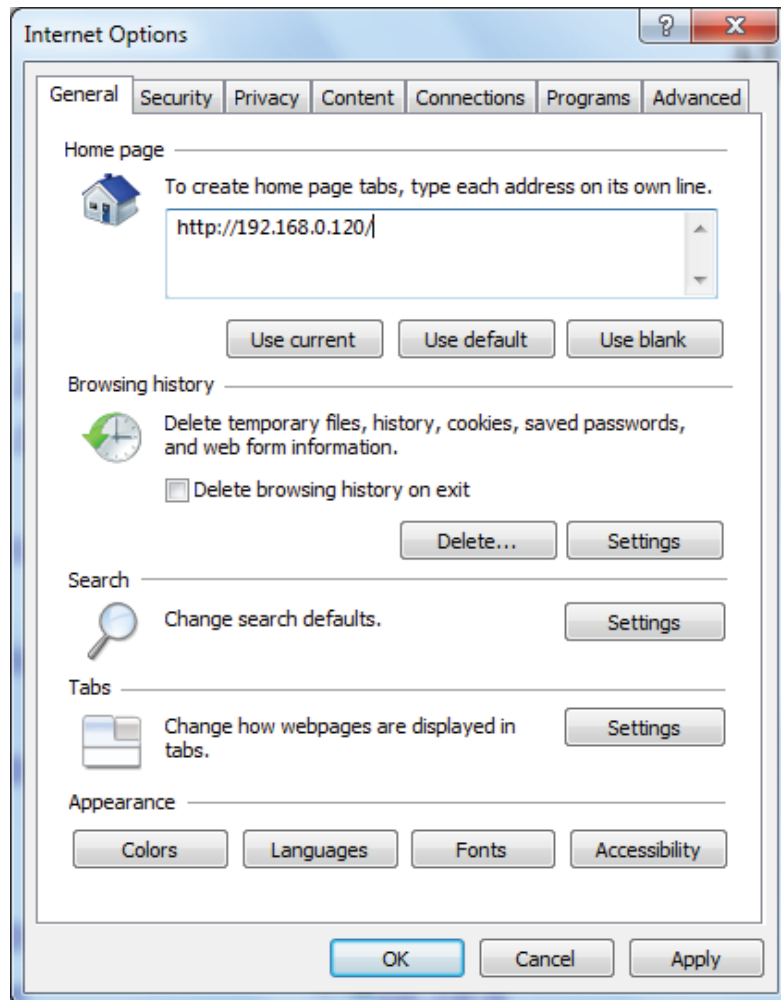
- IP address Between 192.168.0.1 and 192.168.0.254  
(excluding 192.168.0.120 as the address is used by the SL4 central control)
- Subnet mask 255.255.255.0
- Default gateway Not applicable
- Preferred DNS server Not applicable
- Alternate DNS server Not applicable

### • Settings for the Internet or an Intranet in the Building

Contact your dealer. This is a charged service.

## • Browser Settings (Internet Explorer 9)

Start Internet Explorer. Select “Tools”- “Internet Options” from the top menu, and configure the following settings.



### [General]

- Homepage <http://192.168.0.120/>  
(If this URL is entered in the address field, the login screen of the web monitoring system will open when the browser starts.)

### [Security]

- Internet Default “Medium”  
Click the Internet icon, then click “Default Level”.
- Local intranet Default “Medium-low”  
Click the local intranet icon, then click “Default Level”.

### [Privacy]

Click the “Default” button.  
(This product cannot be used with the privacy setting set to “Medium High” or higher. Be sure to set the level to the default setting, “Medium”.)

### [Connections]

Do not select “Use a proxy server...”.

### [Advanced]

Default  
Using default settings is recommended. Click the “Restore Defaults” button.

After all settings are completed, click the “Apply” button, then “OK”.

For information about connecting to the Internet or an intranet within the building, contact your dealer.

# Operation

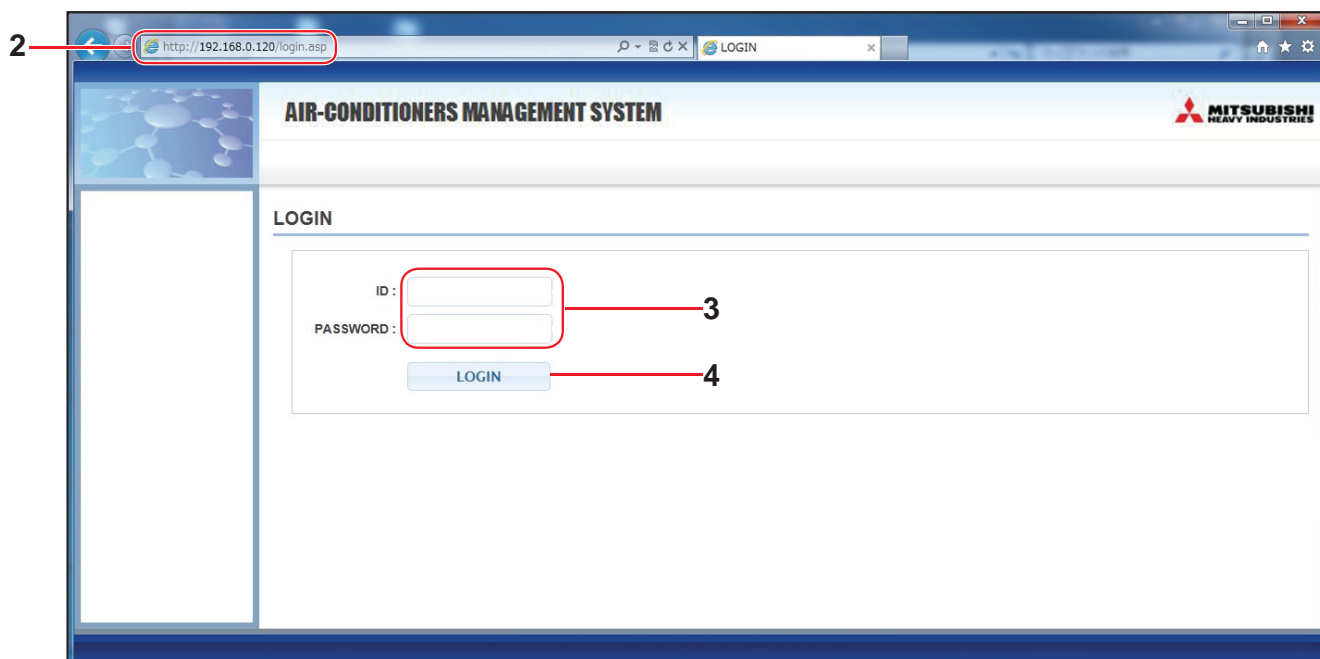
## Logging In

LOGIN screen is the startup page of the web monitoring system. To display the login screen, enter the URL of the web monitoring system from the web browser of your PC.

1. Start the web browser (Internet Explorer) of the PC.
2. Type the following URL into the address bar, and press the Enter key.

<http://192.168.0.120/>

(If you have changed the IP address of this product, type in the new IP address instead of 192.168.0.120.)



LOGIN screen

3. Type in the ID and PASSWORD.

The user allowed to log in and operate the web monitoring system is authenticated based on the ID and password.

\* The factory default ID and password are set to the following values. The ID and password can be changed on the operator's ID/PASSWORD setting screen.  page 25

[ID]	: OPERATOR
[PASSWORD]	: 123456

4. Click the LOGIN button.

### Note

- Each group user has each ID and password.  page 24
- Group user can monitor and operate groups registered in the group user. (Except some functions)







## Operations Common to All Screens

### 1. Selecting each screen

From the menu bar at the top of the screen, click the link to the screen name you want to use. The selected screen appears. The links to screens can be used on all screens.

The following lists the screens available in this product.

[Screen list]

- |                          |   |
|--------------------------|---|
| • MONITORING             |  page 7  |
| • CHANGE ALL             |  page 12 |
| • SCHEDULE SETTING       |  page 12 |
| • OPERATION TIME HISTORY |  page 19 |
| • OPERATOR MENU          |  page 21 |
| • MAINTENANCE MENU       |  page 28 |

## Monitoring and Setting

The Monitoring screen automatically updates the information every 30 seconds. Depending on the status of network or performance of PC, it may take several seconds to complete the information update process.

## ■ Monitoring all groups list

After logging in, the MONITORING (ALL GROUPS LIST) screen appears.

1

**AIR-CONDITIONERS MANAGEMENT SYSTEM**

MONITORING ▾ CHANGE ALL SCHEDULE SETTING ▾ OPERATION TIME HISTORY ▾ OPERATOR MENU ▾

**MONITORING (ALL GROUPS LIST)**

GROUP NAME	RUN/STOP	MODE	SET TEMP.	ROOM TEMP.	FAN	LOUVER	LOCK	OTHERS	UNIT LIST
Office 101	STOP	AUTO	17.5 deg C	32 deg C	LOW	STOP1			
Office 102	RUN	COOL	30.5 deg C	1 deg C	MEDIUM	STOP2			
Office 103	ALARM RUN	DRY	25.0 deg C	35 deg C	HIGH	STOP3			
Meeting 104	COMMUNICATION ERROR	FAN	20.5 deg C	35 deg C	POWERFUL	STOP4			
Meeting 105	ALARM STOP	HEAT	18.0 deg C	33 deg C	AUTO	AUTO SWING			
Meeting 106	HOME LEAVE OFF	HEAT	35.0 deg C	34 deg C	HIGH	STOP4			
ShopA	HOME LEAVE ON	HEAT	10.0 deg C	8 deg C	LOW	STOP2			
Warehouse A	UNCONNECTED	HEAT	31.5 deg C	34 deg C	AUTO	AUTO SWING			
ShopB	HOME LEAVE ON	HEAT	31.5 deg C	12 deg C	POWERFUL	STOP3			
ShopC	HOME LEAVE OFF	—	— deg C	— deg C	—	—	—		
ShopD	ALARM STOP	HEAT	19.5 deg C	12 deg C	HIGH	STOP1			
ShopE	COMMUNICATION ERROR	AUTO	21.5 deg C	12 deg C	MEDIUM	STOP3			
ShopF	COMMUNICATION ERROR	AUTO	25.0 deg C	12 deg C	LOW	STOP4			
ShopG	COMMUNICATION ERROR	AUTO	19.5 deg C	12 deg C	AUTO	AUTO SWING			

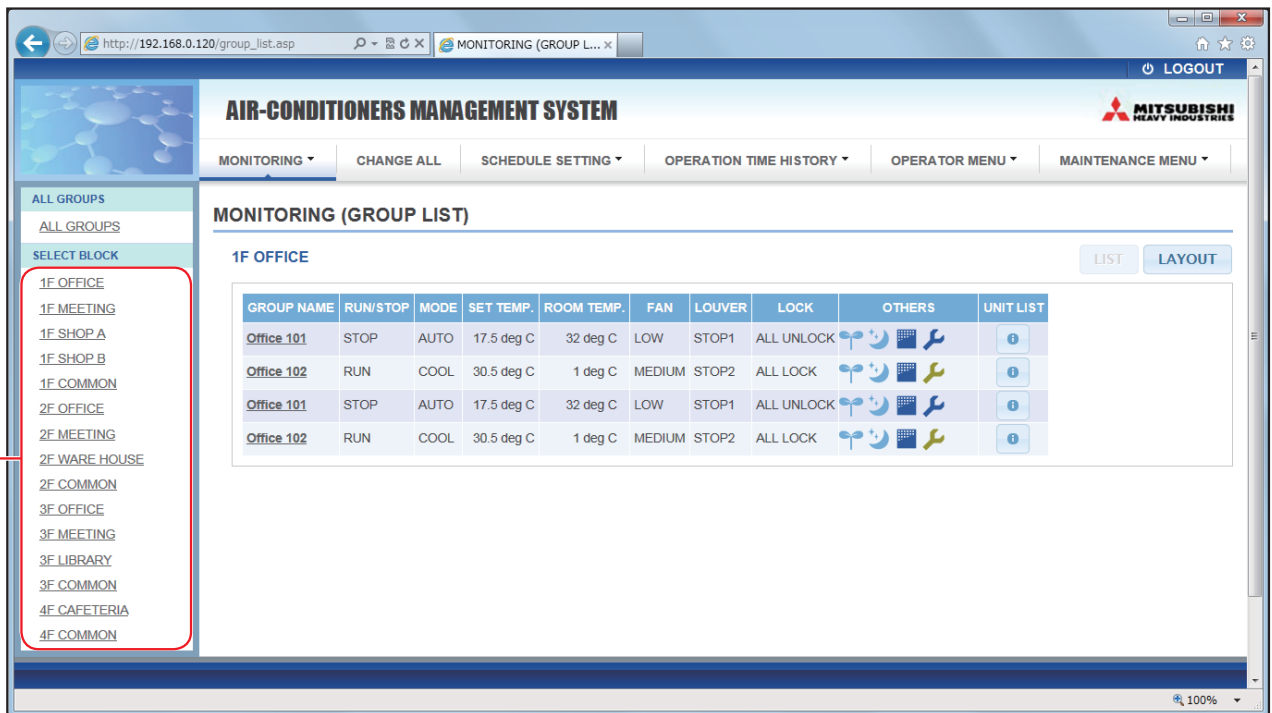
MONITORING (ALL GROUPS LIST) screen

The ALL GROUPS LIST screen centrally monitors the status of all target air conditioner, and displays the group names and operating status icons for the registered groups.



## ■ Monitoring group list

1. Click GROUP LIST from the menu bar (MONITORING), or LIST button on the MONITORING (BLOCK LIST) screen.

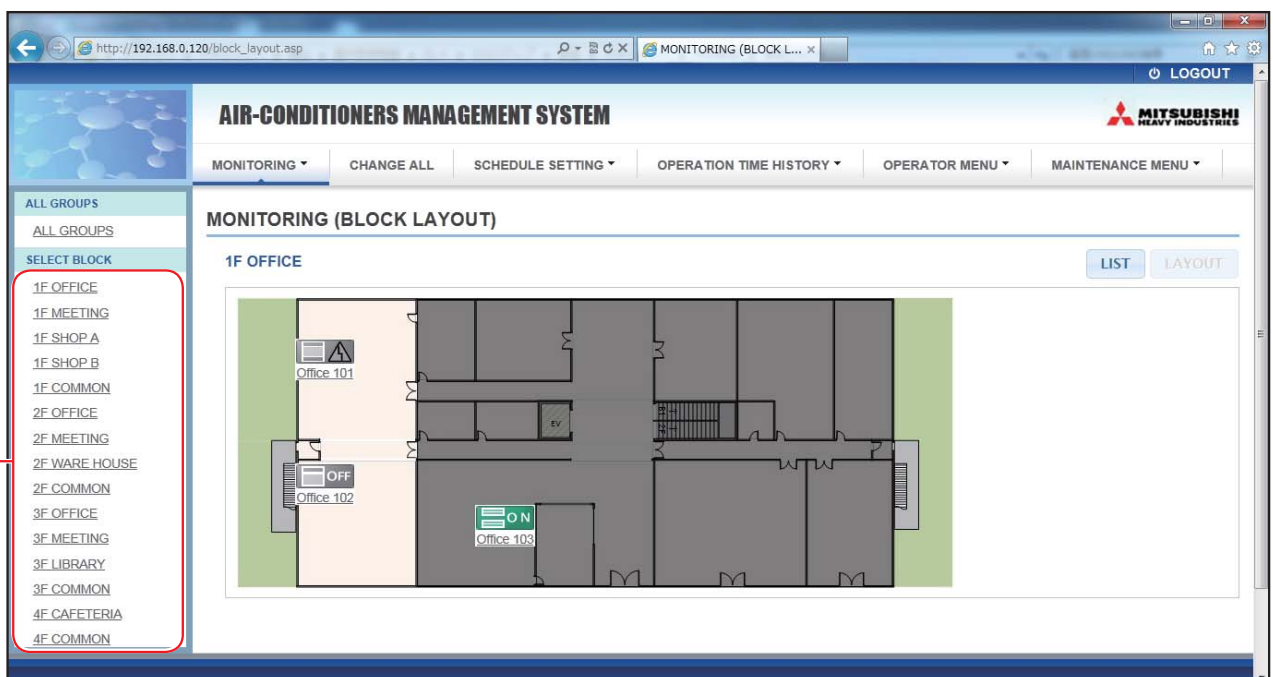


MONITORING (GROUP LIST) screen

2. Select a block.

## ■ Monitoring block layout







1. Click BLOCK LAYOUT from the menu bar (MONITORING), or LAYOUT button on the MONITORING (GROUP LIST) screen.



MONITORING (BLOCK LAYOUT) screen

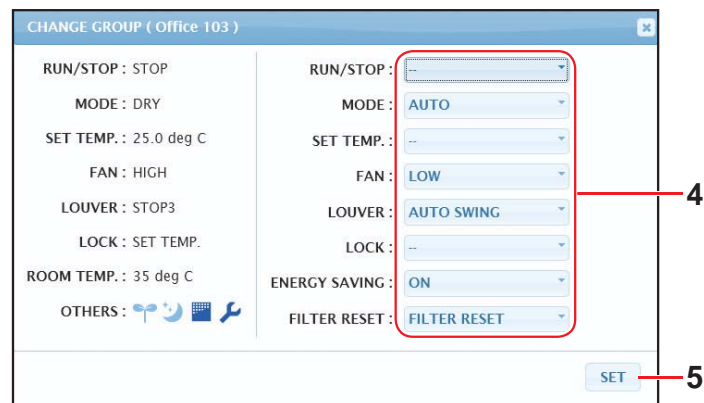
## 2. Select a block.

### [Types and indications of operating status icons]

	Running state	: At least one air conditioner is running in the target group.
	Stopped state	: All air conditioners have stopped in the target group.
	Error state	: One or more air conditioners in the target group are malfunction.
	Communication error	: One or more air conditioners in the target group cannot be monitored.
	Home leave running state	: At least one air conditioner is running for home leave in the target group.
	Home leave stopped state	: All air conditioners have stopped and at least one air conditioners status is home leave in the target group.


## 3. Changing Settings of a group

Click a group name on the ALL GROUPS LIST screen, BLOCK LAYOUT screen or GROUP LIST screen.



CHANGE GROUP screen

This screen enables you to check the operating status and change settings of a selected group. The operating status of a selected group is displayed on the left side of the screen. This screen does not automatically update the operating status.

The following items can be viewed and configured. The displayed information other than run/stop and filter sign is about the air conditioner specified as representative. (For the settings of representative unit.  page 21.)

### [RUN/STOP]

RUN, STOP, HOME LEAVE ON, HOME LEAVE STOP

RUN	: The operation starts
STOP	: The operation stops
HOME LEAVE ON	: Home leave operation starts
HOME LEAVE OFF	: Home leave operation stops

\* "STOP" is displayed only when all air conditioner stop in the group.

### [MODE]

AUTO, COOL, DRY, FAN, HEAT

AUTO mode requires the SL4 central control setting. For details, refer to the User's Manual of the SL4 central control.

\* The AUTO setting is not available for some air conditioner models.

### [SET TEMP.]

By default, the temperature can be set in the range of 18 deg C to 30 deg C in increments of 0.5 deg C. When an operating mode is selected, the range is extended to the upper and lower limits of the selected mode.

(In the SL4 central control, Fahrenheit and Celsius can be switched, and the upper and lower limits of the set temperature can be extended. Refer to the User's Manual of the SL4 central control.)

\* When you set home leave on, you can't set mode and set temp.

#### [FAN]

POWERFUL, HIGH, MEDIUM, LOW, AUTO

AUTO requires the SL4 central control setting.

\* Some settings are not available for some air conditioner models.

#### [LOUVER]

AUTO, STOP1, STOP2, STOP3, STOP4

\* The louver setting is ignored when configured for air conditioner without louver function.

#### [LOCK]

This item specifies to what degree the remote control operation should be disabled.

ALL LOCK	: Disables all operations
ALL UNLOCK	: Allows all operations
RUN/STOP	: Disables run/stop operations
MODE	: Disables the operating mode operations
SET TEMP.	: Disables changing the temperature setting
RUN/STOP & MODE	: Disables the run and stop operations, and the operating mode operations
RUN/STOP & SET TEMP.	: Disables the run and stop operations, and changing the temperature setting
MODE & SET TEMP.	: Disables the operating mode operations, and changing the temperature setting

\* Individual settings are not available for some air conditioner models. For such models, only "Allow all" (ALL UNLOCK) and "Disable all" (ALL LOCK) can be selected.

#### [ENERGY SAVING]

Click the ON or OFF button.

When the ON button is selected, energy saving operation starts.

When the OFF button is selected, energy saving operation stops.

Use this operation to save energy. A unit shifts its set temperature by outside temperature.

#### [FILTER RESET]







Click the RESET button and the filter sign turns off.

#### [ROOM TEMP.]

Displays the room temperature of the representative unit.

#### [OTHERS]

Displays the filter sign, maintenance, schedule sign, energy saving and silent mode.

	This shows the group that is the target of the current day's schedule.
	Energy saving (This shows the group that is the target for energy saving.)
	Silent mode (This shows the group that is the target for silent mode.)
	If at least one air conditioner in a block or group needs filter maintenance, this indicator lights up. When this happens, clean the filters.
	Inspection, Inspection 1, Inspection 2
	Backup operation (Inspection 3)

### 4. Changing settings

Select an item from the pull-down menu for the setting you want to change.

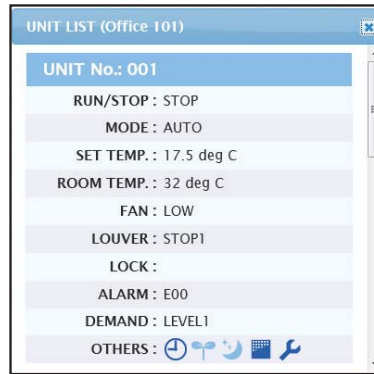
### 5. Apply the changed setting.

Click the SET button.

If you select multiple items and click the SET button, you will be able to change the settings of the multiple items collectively.

## 6. Displaying the air conditioner list

Click UNIT LIST to display the operating status list of air conditioner belonging to the selected group. The following items are shown in the list.



UNIT LIST screen

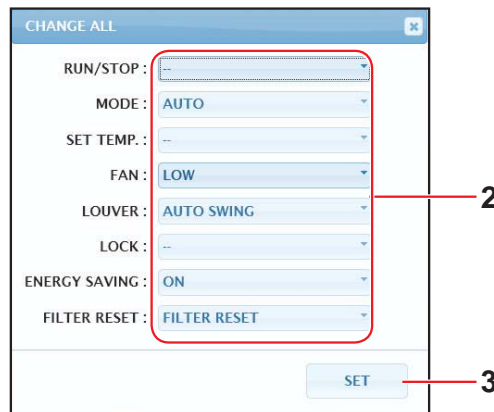
[REP. ]	: Displays the “*” mark to indicate the representative unit of the target group. Information from the representative unit is reflected on the group operating setting except for the information on the run/stop/home leave on/home leave off and filter sign items.
[UNIT]	: Displays the air conditioner number.
[RUN/STOP]	: Displays run/stop/home leave on/home leave off as the status of the air conditioner.
[MODE]	: Displays the operating mode of the air conditioner.
[SET TEMP.]	: Displays the temperature setting of the air conditioner.
[ROOM TEMP.]	: Displays the room temperature where the air conditioner is installed.
[FAN]	: Displays the fan speed setting of the air conditioner.
[LOUVER]	: Displays the louver setting of the air conditioner.
[LOCK]	: Displays the invalid remote control operation.
[ALARM]	: Displays the error code when a malfunction occurs.(*)
[DEMAND]	: Displays the processing level when a demand signal is entered.(*)
[OTHERS]	: Displays filter sign, maintenance, schedule sign, energy saving and silent mode.(*)

(\*) For details on each item, refer to the User’s Manual of the SL4 central control.

## Change All

The CHANGE ALL screen enables you to perform collective operation for the target group. The target group for collective operation must be specified in advance. ➡ page 21

1. Click CHANGE ALL from the menu bar.



CHANGE ALL screen

2. Changing settings collectively

From the pull-down menu for the setting you want to change, select an item.

3. Apply the changed setting.

Click the SET button.

If you select multiple items and click the SET button, you will be able to change the settings of the multiple items collectively.

The details of the settings are the same as the details of the group settings described in page 9.

## Schedule Setting

The SCHEDULE SETTING enables you to configure the schedule of operating air conditioner.

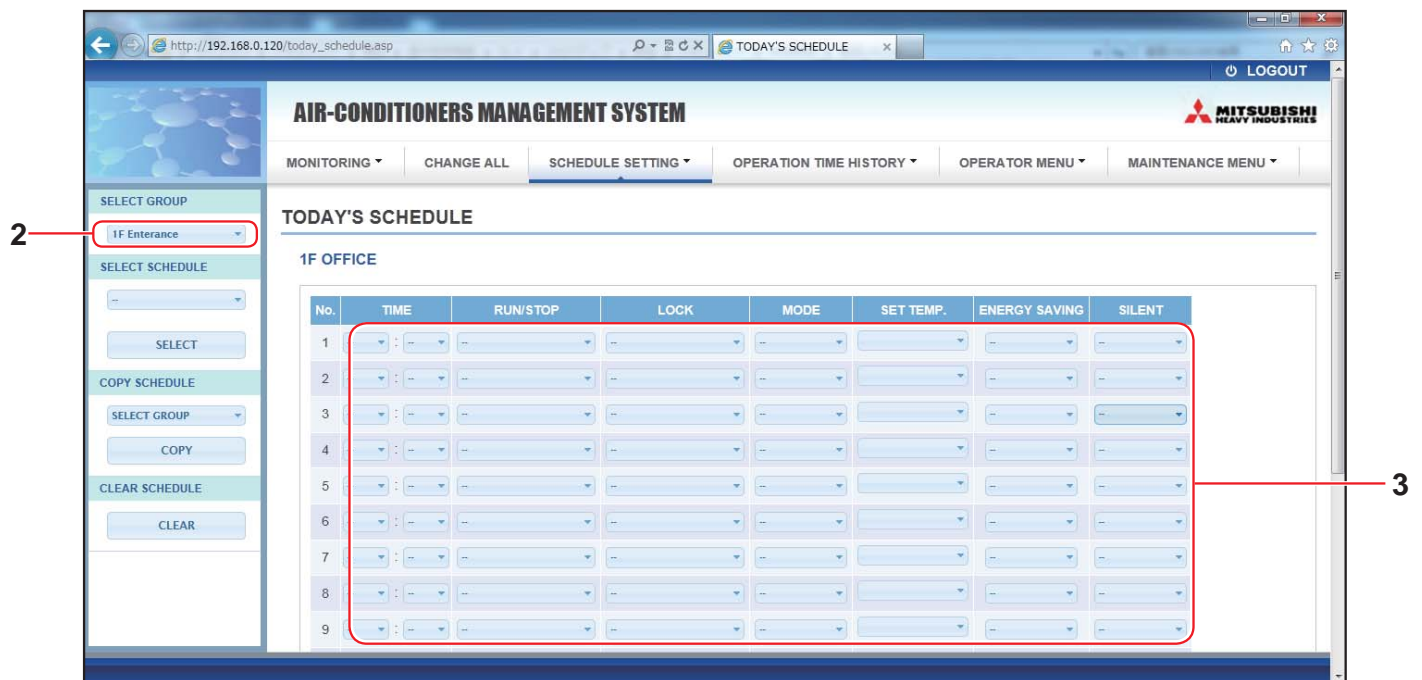
The following schedule items can be configured on the screen.

- TODAY'S SCHEDULE
- YEARLY SCHEDULE
- DETAILED DAILY SCHEDULE
- SEASON SETTING

## ■ Today's Schedule

The TODAY'S SCHEDULE screen enables you to configure the current day's operation schedule for each group. The settings determined by yearly schedule and detailed daily schedule are reflected on today's schedule.

1. Select the TODAY'S SCHEDULE from the menu bar (SCHEDULE SETTING).



TODAY'S SCHEDULE screen

2. Select a target group.

From the SELECT GROUP pull-down menu on the upper left side of the screen, select a target group name.

3. Enter new settings.

From the pull-down menu, select an item of which setting you want to change. On this screen, you can register up to 16 schedule settings of the following items per day.

- |                 |  |
|-----------------|--|
| [TIME]          | Operation time setting (by the minute)   |
| [RUN/STOP]      | Blank (Not specified), RUN, STOP, HOME LEAVE ON, HOME LEAVE OFF  |
| [LOCK]          | Blank (Not specified), LOCK, UNLOCK, RUN/STOP, MODE, SET TEMP., RUN/STOP & MODE, RUN/STOP & SET TEMP., MODE & SET TEMP.<br>* As selectable items vary according to the current settings, refer to the User's Manual of the SL4 central control.  |
| [MODE]          | Blank (Not specified), AUTO, COOL, DRY, FAN, HEAT, SEASON  page 17<br>* As selectable items vary according to the current settings, refer to the User's Manual of the SL4 central control.   |
| [SET TEMP.]     | By default, the temperature can be set in the range of 18 deg C to 30 deg C in increments of 0.5 deg C. When an operating mode is selected, the range is extended to the upper and lower limits of the selected mode.<br>(In the SL4 central control, Fahrenheit and Celsius can be switched, and the upper and lower limits of the set temperature can be extended. Refer to the User's Manual of the SL4 central control.) |
| [ENERGY SAVING] | Blank (Not specified), ON, OFF  page 10  |
| [SILENT]        | Blank (Not specified), ON, OFF<br>* Priority is given to the silence of the outdoor unit. This function cannot be applied to some indoor units.  |

### Note

- Click the item to be changed on the list SELECT SCHEDULE, when you want to rewrite the current settings to the detailed daily schedule such as WEEKDAY, etc.
- Click the CLEAR button to delete all settings.
- Configure the schedule settings so that items No.1 to No.16 will be sorted in chronological order.
- Settings without time settings are invalid even if other items are configured.

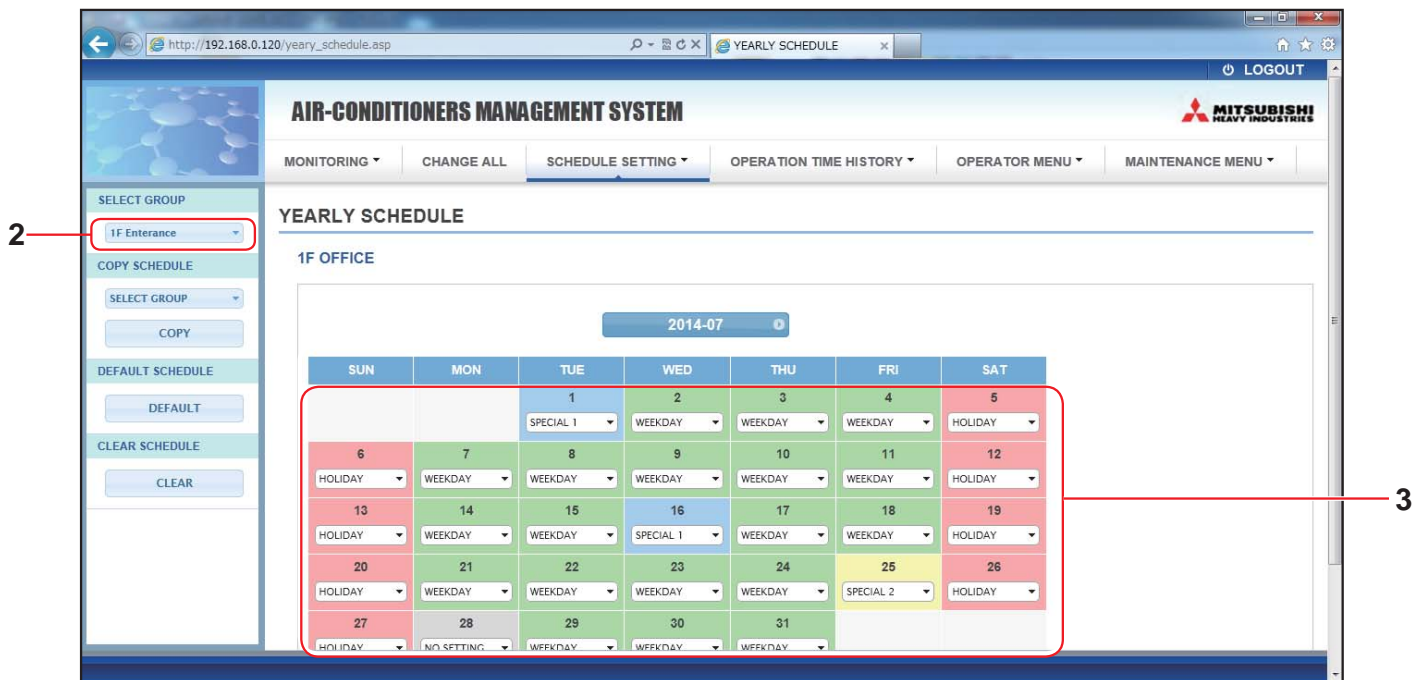
4. Apply the changed setting.

Click the SET button on the lower right side of the screen. This applies the changed settings.

## ■ Yearly Schedule

The YEARLY SCHEDULE screen enables you to configure the operation schedule for a year.  
(As the configured settings do not apply to the following year, new configuration is required for each year.)

1. Select the YEARLY SCHEDULE from the menu bar (SCHEDULE SETTING).



YEARLY SCHEDULE screen

2. Select a target group.

From the SELECT GROUP pull-down menu on the upper left side of the screen, select a target group name.

3. Enter new settings.

Click the position displaying the current setting of a date you want to change. From the pull-down menu, select a new setting from the menu. Two or more schedules can be changed at a time. The following five detailed daily schedules can be selected.

- [WEEKDAY] : Applies the weekday schedule settings to the target date.
- [HOLIDAY] : Applies the holiday schedule settings to the target date.
- [SPECIAL1] : Applies the schedule settings for special day 1 to the target date.
- [SPECIAL2] : Applies the schedule settings for special day 2 to the target date.
- [NO SETTING] : Does not apply any settings to the target date schedule.

### Note

The detailed daily schedule must be configured in advance. See Detailed Daily Schedule in page 15 to configure the settings.

4. Apply the changed setting.

Click the SET button on the lower right side of the screen. This applies the changed settings.

### Note

- Press the ◀ or ▶ button to change the month.
- If the DEFAULT button is pressed, Saturday and Sunday are set as holidays and the others are set as weekdays.
- Click the CLEAR button to delete all settings.



## ■ Detailed Daily Schedule

The DETAILED DAILY SCHEDULE screen enables you to configure the detailed daily schedule. The schedule indicates WEEKDAY, HOLIDAY, SPECIAL1, and SPECIAL2. The operation schedule can be configured for each group.

1. Select the DETAILED DAILY SCHEDULE from the menu bar (SCHEDULE SETTING).

**AIR-CONDITIONERS MANAGEMENT SYSTEM**

MONITORING ▾ CHANGE ALL SCHEDULE SETTING ▾ OPERATION TIME HISTORY ▾ OPERATOR MENU ▾ MAINTENANCE MENU ▾

**DETAILED DAILY SCHEDULE**

1F OFFICE

No.	TIME	RUN/STOP	LOCK	MODE	SET TEMP.	ENERGY SAVING	SILENT
1	01 : 01	STOP	ALL LOCK	DRY	35.0 deg C	VALID	—
2	11 : 13	RUN	ALL UNLOCK	AUTO	10.5 deg C	—	VALID
3	12 : 14	—	SET TEMP.	—	16.5 deg C	VALID	—
4	13 : 15	HOME LEAVE ON	MODE	—	31.5 deg C	VALID	—
5	14 : 16	—	MODE & SET TEMP.	HEAT	10.5 deg C	VALID	—
6	15 : 17	STOP	RUN/STOP	HEAT	34.5 deg C	VALID	—
7	16 : 18	RUN	RUN/STOP & SET TEMP.	DRY	23.5 deg C	VALID	—
8	17 : 19	—	RUN/STOP & MODE	DRY	23.5 deg C	VALID	—
9	18 : 20	—	ALL LOCK	DRY	23.5 deg C	VALID	—
10	19 : 30	—	ALL LOCK	DRY	23.5 deg C	VALID	—

DETAILED DAILY SCHEDULE screen

2. Select a target group.

From the SELECT GROUP pull-down menu on the upper left side of the screen, select a target group name.

3. Select the detailed daily schedule.



From the SELECT SCHEDULE on the left side of the screen, click the detailed daily schedule of which settings you want to change.

The current schedule of the selected detailed daily schedule appears.



#### 4. Enter new setting.

From the pull-down menu, select an item of which setting you want to change. On this screen, you can register up to 16 schedule settings of the following items per day.

[TIME]	Operation time setting (by the minute)
[RUN/STOP]	Blank (Not specified), RUN, STOP, HOME LEAVE ON, HOME LEAVE OFF
[LOCK]	Blank (Not specified), LOCK, UNLOCK, RUN/STOP, MODE, SET TEMP., RUN/STOP & MODE, RUN/STOP & SET TEMP., MODE & SET TEMP. * As selectable items vary according to the current settings, refer to the User's Manual of the SL4 central control.
[MODE]	Blank (Not specified), AUTO, COOL, DRY, FAN, HEAT, SEASON  page 17 * As selectable items vary according to the current settings, refer to the User's Manual of the SL4 central control.
[SET TEMP.]	By default, the temperature can be set in the range of 18 deg C to 30 deg C in increments of 0.5 deg C. When an operating mode is selected, the range is extended to the upper and lower limits of the selected mode. (In the SL4 central control, Fahrenheit and Celsius can be switched, and the upper and lower limits of the set temperature can be extended. Refer to the User's Manual of the SL4 central control.)
[ENERGY SAVING]	Blank (Not specified), ON, OFF  page 10
[SILENT]	Blank (Not specified), ON, OFF * Priority is given to the silence of the outdoor unit. This function cannot be applied to some indoor units.

#### Note

- Configure the schedule settings so that items No.1 to No.16 will be sorted in chronological order.
- Settings without time settings are invalid even if other items are configured.
- Click the CLEAR button to delete all settings.

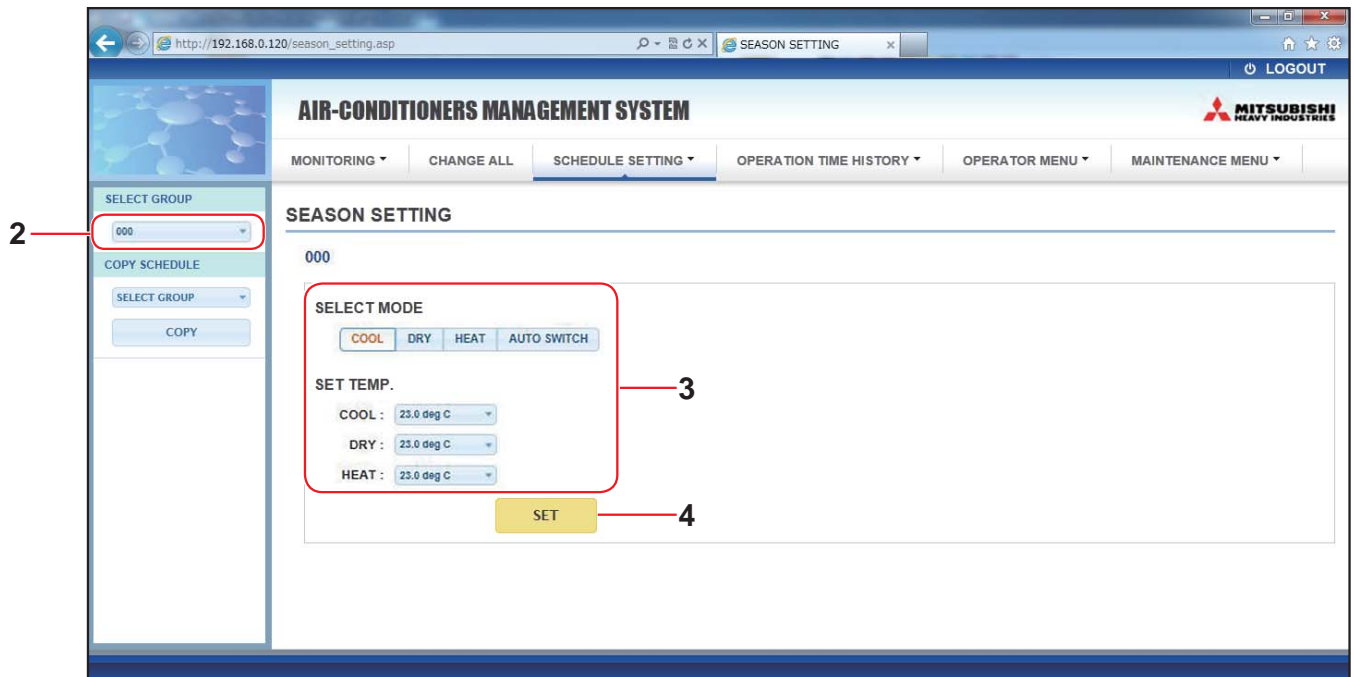
#### 5. Apply the changed setting.

Click the SET button on the lower right side of the screen. This applies the changed settings.

## ■ Season Setting

The SEASON SETTING screen enables you to configure the operation to be reflected on air conditioner of which operating mode is set to "SEASON". The operation can be set for each group. Selecting "SEASON" mode enables you to change the operating mode and temperature setting collectively at the changing seasons.

1. Select the SEASON SETTING from the menu bar (SCHEDULE SETTING).



SEASON SETTING screen

2. Select a target group.

From the SELECT GROUP pull-down menu on the upper left side of the screen, select a target group name.

3. Enter new settings.

Select an operating mode from the following items, and select a set temperature from the pull-down menu.

- |               |  |
|---------------|--|
| [COOL]        | : Runs in cool mode when the operating mode is set to "SEASON".        |
| [DRY]         | : Runs in dry mode when the operating mode is set to "SEASON".         |
| [HEAT]        | : Runs in heat mode when the operating mode is set to "SEASON".        |
| [AUTO SWITCH] | : Runs in auto switch mode when the operating mode is set to "SEASON". |
- \* The operation mode of the unit is decided by the outside temperature.

4. Apply the changed setting.

Click the SET button at the bottom of the screen. This applies the changed settings.

## ■ [Copy the settings to apply them to other groups]

The schedule setting for the group currently selected can be copied to apply the same settings to other groups. Click COPY on the left side of the each schedule setting screen.

### 1. Select groups to which to copy the setting.

From the group list, select groups to which to copy the settings. You can click a group name to select or deselect the group to which to copy the settings. Clicking the CHECK ALL button selects all groups, and clicking the UNCHECK ALL button deselects all groups currently selected.

### 2. Copy the settings.

Click the COPY button to copy the settings of currently selected group.

#### Note

If the changed settings have not been saved, pop up window appears.

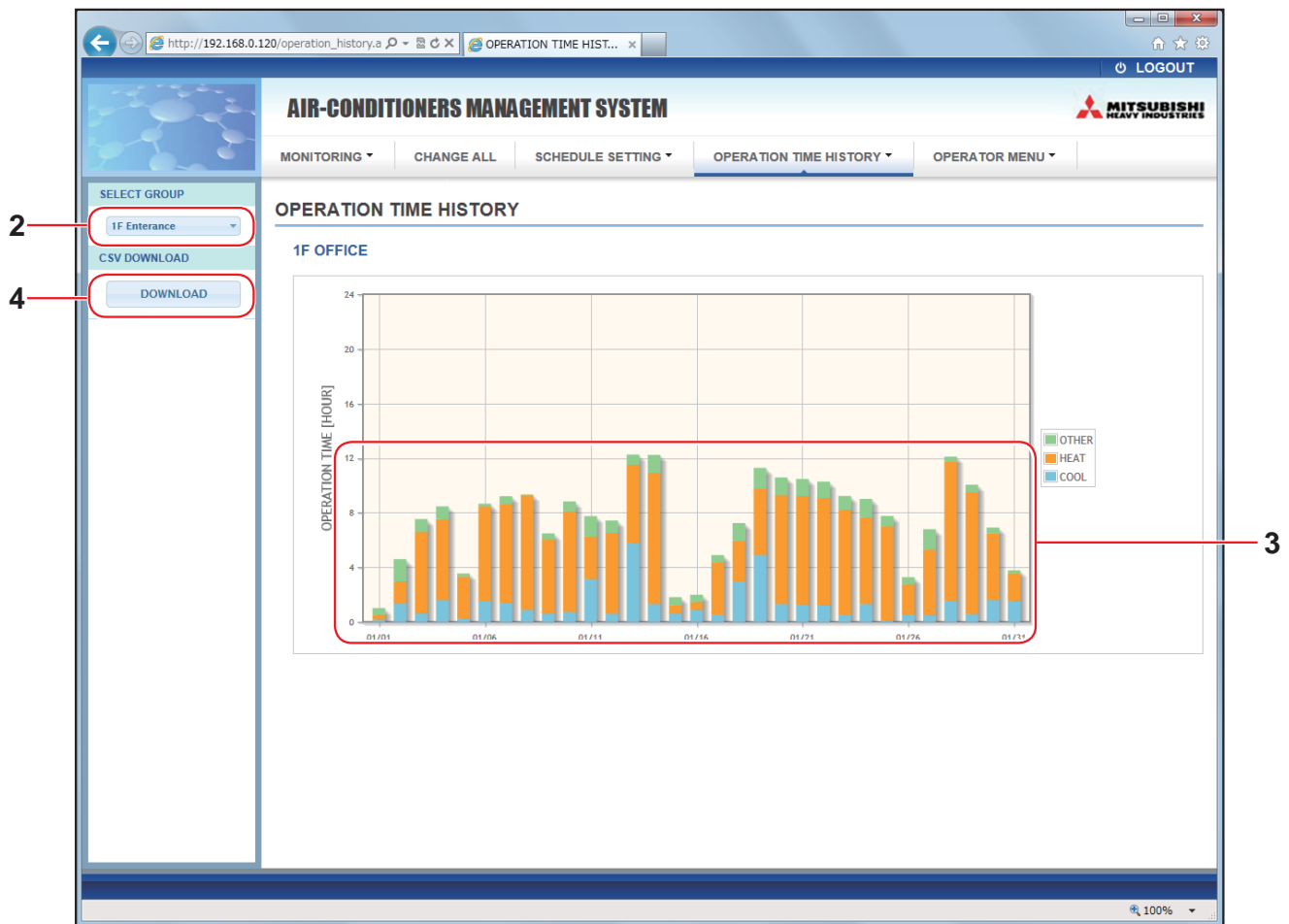
Click the YES button to apply the changed settings. If you do not save the changed settings, click the NO button. If you do not want to copy, click the CANCEL button.

# Operation Time History

The OPERATION TIME HISTORY screen displays a graph showing the accumulated daily operation time for 31 days by the group.

You can also download operation data (in CSV format) from this screen.

1. Click the OPERATION TIME HISTORY from the menu bar (OPERATION TIME HISTORY).



OPERATION TIME HISTORY screen

2. Select a target group.

From the SELECT GROUP pull-down menu on the upper left side of the screen, select a target group name. A graph for the selected group is displayed.

3. Check the operation time data.

Moving the mouse cursor over the bar graph displays the date, mode and operation time.

4. Download the operation data.

Click the DOWNLOAD button.

When the pop up window opens, specify the save destination and save it.

## Note

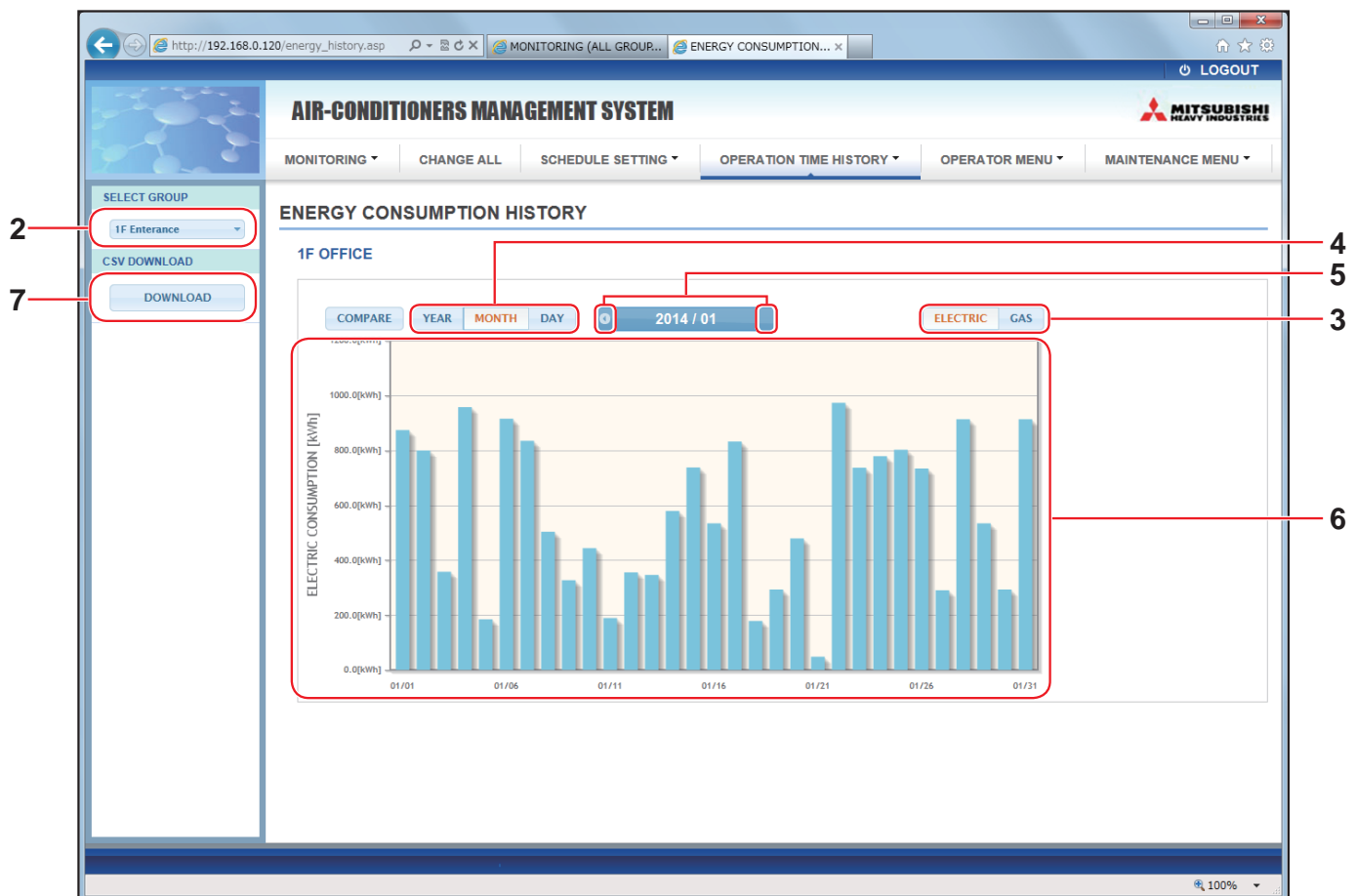
The downloaded file contains the operation time data of the selected group.

# Energy Consumption History

The ENERGY CONSUMPTION HISTORY screen displays a graph showing the daily, monthly or yearly energy consumption history by the group.

You can also download data (in CSV format) from this screen.

1. Click the ENERGY CONSUMPTION HISTORY from the menu bar (OPERATION TIME HISTORY).



ENERGY CONSUMPTION HISTORY screen

2. Select a target group.

From the SELECT GROUP pull-down menu on the upper left side of the screen, select a target group name. A graph for the selected group is displayed.

3. Select ELECTRIC or GAS.

4. Select YEAR, MONTH or DAY.

5. Select a time for which you want to view the accumulated consumption using ◀ or ▶ button.

6. Check the energy consumption data.

Moving the mouse cursor over the bar graph displays the date, mode and the energy consumption.

7. Download the energy consumption data.

Click the DOWNLOAD button.

When the pop up window opens, specify the save destination and save it.

## Note

- By pressing the COMPARE button, you can compare this year's data to the previous year's data when you select YEAR.
- The downloaded file contains the data of the selected group.

# Operator Menu

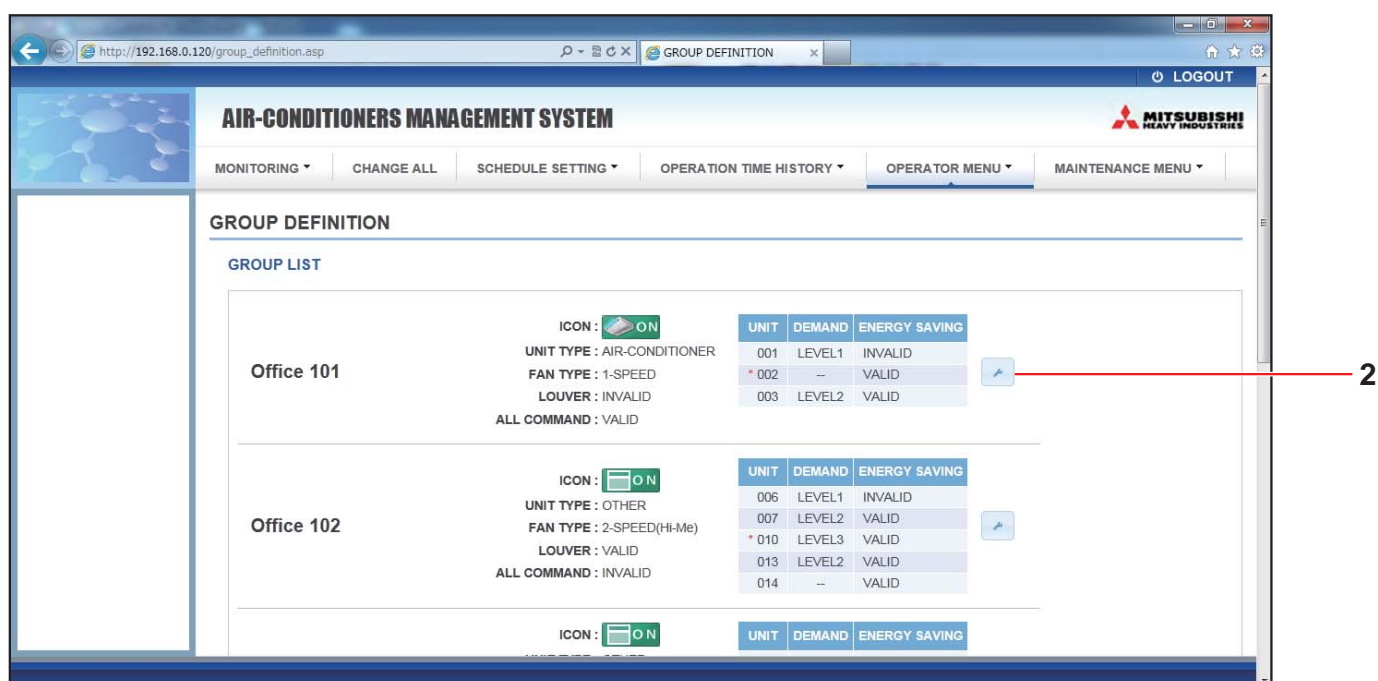
The OPERATOR MENU enables you to configure the system settings for operators. The following items can be viewed and configured on this screen.

- GROUP DEFINITION
- OPERATOR SETTING
- GROUP USER SETTING
- DOWNLOAD MONTHLY DATA FILES (SC-SL4-BE only)
- SYSTEM INFORMATION


## ■ Group Definition

The GROUP DEFINITION screen enables you to define and configure groups. The list of the following items are displayed for each group.

1. Select the GROUP DEFINITION from the menu bar (OPERATOR MENU).



GROUP DEFINITION screen

- |               |   |
|---------------|---|
| [No.]         | : Displays the group number.  |
| [GROUP NAME]  | : Displays the name of the target group. If no groups have been registered, this item is left blank.  |
| [REP. ]       | : Displays the “*” mark to indicate the representative unit of the target group. Information from the representative unit is reflected on the group operating information except for the information on the run/stop and filter sign items.       |
| [UNIT No.]    | : Displays the list of air conditioner numbers belonging to the target group.   |
| [DEMAND]      | : Displays the processing level (LEVEL1, 2, or 3) when a demand signal is entered. (For details on the demand, refer to the User’s Manual of the SL4 central control.)  |
| [ALL COMMAND] | : Prompts you to determine whether to apply collective settings.  page 12<br>VALID Applies collective settings<br>INVALID Does not apply collective settings |
| [FAN TYPE]    | : Displays the fan type (1-speed, 2-speed(Hi-Me), 2-speed(Hi-Lo), 3-speed or 4-speed) for the target group.   |
| [LOUVER]      | : Displays VALID or INVALID of louver for the target group.<br>VALID Group which can be set air position<br>INVALID Group which cannot be set air position  |


- [TYPE] : Displays unit type (Air-Conditioner or Other) for the target group.  
When you select "Other", you can't set mode, temperature setting, fan and air direction.
- [ICON] : Displays the Icon for the target group.
- [ENERGY SAVING] : Displays VALID or INVALID of energy saving for the target group.

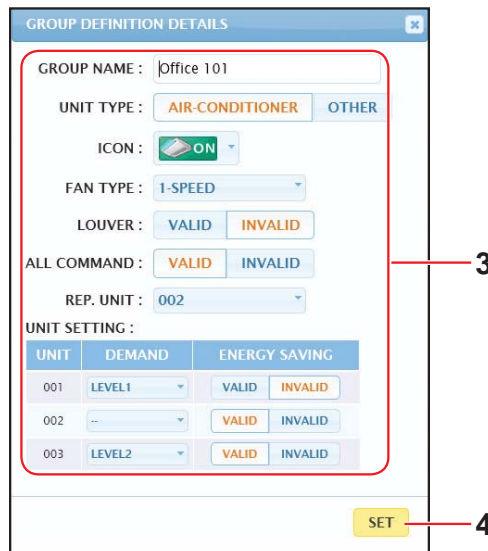
#### Note

- Factory default, one air conditioner is registered in one group in advance. To register a unit in another group, delete the existing registration first and then register it in another group.
- Factory Setting, the group names are shown by sequential numbers such as "001,002,003,...".
- The unit numbers are displayed in different names depending on communication methods.  
Example when setting a previous SL: 1-00 (Superlink No. - Indoor address)  
Example when setting a new SL: 005 (Indoor address)

## ■ [To edit group definition]

### 2. Select a group to edit.


On the GROUP DEFINITION screen, click the  button of a group you want to edit. The following screen appears, displaying the list of information about air conditioner registered in the target group.



**GROUP DEFINITION DETAILS**

GROUP NAME : Office 101

UNIT TYPE : **AIR-CONDITIONER** OTHER

ICON : 

FAN TYPE : 1-SPEED

LOUVER : **VALID** INVALID

ALL COMMAND : **VALID** INVALID

REP. UNIT : 002

UNIT SETTING :


UNIT	DEMAND	ENERGY SAVING	
001	LEVEL1	<b>VALID</b>	INVALID
002	~	<b>VALID</b>	INVALID
003	LEVEL2	<b>VALID</b>	INVALID

**SET**

GROUP DEFINITION DETAILS screen

### 3. Enter new settings.

Enter or select a new setting. The following items can be configured.

- [GROUP NAME] : Type in a name using up to 16 one-byte characters (The name must be unique and not be overlapped with other group names.)
- [UNIT TYPE] : Select unit type (Air-Conditioner or Other) for the target group.  
When you select "Other", you can't set mode, temperature setting, fan and air direction.
- [ICON] : Select the Icon for the target group.
- [FAN TYPE] : Select the fan type (1-speed, 2-speed(Hi-Me), 2-speed(Hi-Lo), 3-speed or 4-speed) for the target group.
- [LOUVER] : Select VALID or INVALID of louver for the target group.  
VALID Group which can be set air position  
INVALID Group which cannot be set air position
- [ALL COMMAND] : Enables you to specify whether to apply collective settings.  page 12  
VALID Applies collective settings  
INVALID Does not apply collective settings
- [REP. UNIT] : Select the radio button of the air conditioner to be set as the representative unit.  
The representative unit is reflected on the group operating information except for the information on the run/stop and filter sign items.
- [UNIT] : Displays the air conditioner number.
- [DEMAND] : Select the processing level (LEVEL1, 2, or 3) when a demand signal is entered.  
(For details on the demand, refer to the User's Manual of the SL4 central control.)
- [ENERGY SAVING] : Select VALID or INVALID of energy saving for the target group.

### 4. Apply new setting

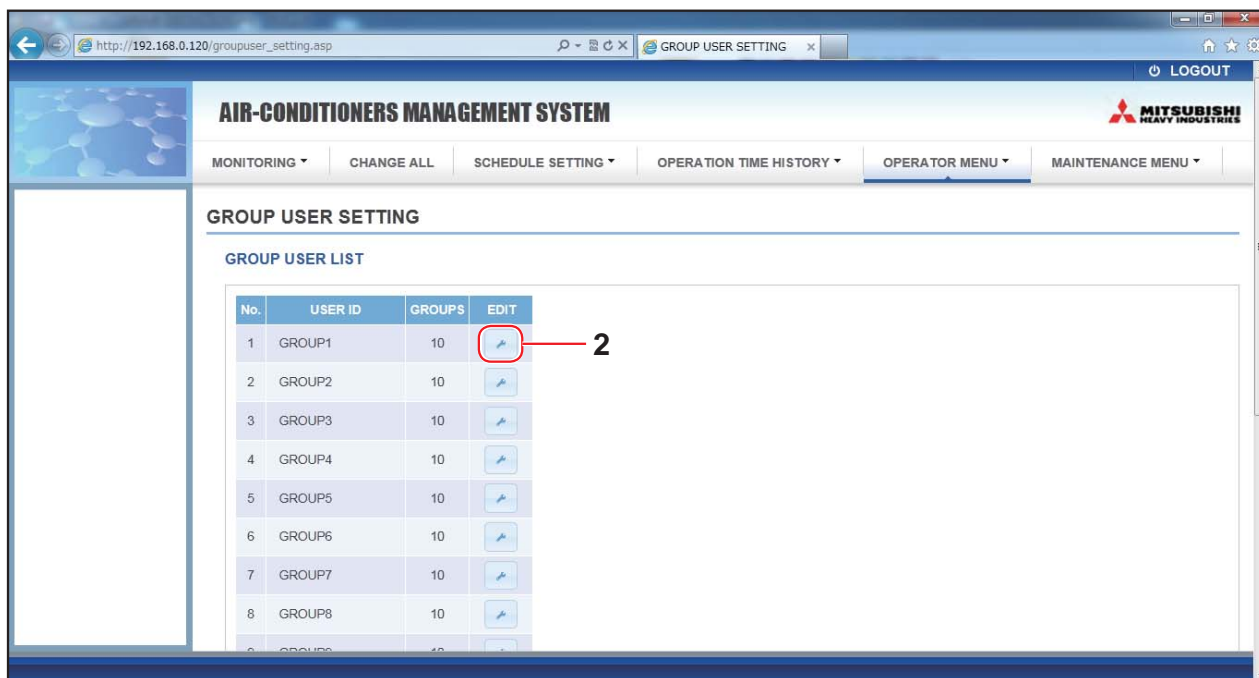
Click the SET button on the lower right side of the screen. This applies the changed settings.



## • Group User Setting

This screen enables you to specify the group user's ID and password to be used for logging in the web system. When this screen appears, the current settings are displayed in the USER ID and PASSWORD fields.

1. Select the GROUP USER SETTING from the menu bar (OPERATOR MENU).



GROUP USER SETTING screen

2. Enter new settings.

Click the button of group user you want to edit.

GROUP USER DETAILS

USER ID : GROUP1

PASSWORD : 123456

SET

GROUP USER DETAILS screen

3. Enter a new setting in each item.

Up to 16 one-byte alphanumeric characters can be used for the ID, and up to 8 one-byte alphanumeric characters for the password.

4. Apply the changed setting.

Click the SET button at the bottom of the screen. This applies the changed settings.

### Note

Same characters cannot be set for multiple ID.

## • Operator Setting

This screen enables you to specify the operator's ID and password to be used for logging in the web system. When this screen appears, the current settings are displayed in the ID and PASSWORD fields.

1. Select the OPERATOR SETTING from the menu bar (OPERATOR MENU).

The screenshot shows a web browser window with the URL [http://192.168.0.120/operator\\_setting.asp](http://192.168.0.120/operator_setting.asp). The page title is "AIR-CONDITIONERS MANAGEMENT SYSTEM" and the Mitsubishi Heavy Industries logo is in the top right. The navigation bar includes "MONITORING", "CHANGE ALL", "SCHEDULE SETTING", "OPERATION TIME HISTORY", "OPERATOR MENU", and "MAINTENANCE MENU". The "OPERATOR MENU" is selected. The main content area is titled "OPERATOR SETTING" and contains a form with two input fields: "ID" with the value "OPERATOR" and "PASSWORD" with the value "123456". A yellow "SET" button is located below the password field. A red box highlights the input fields, and a red line with the number "2" points to the ID field. Another red line with the number "3" points to the SET button.

OPERATOR SETTING screen

2. Enter new settings.

Enter a new setting in each item.

Up to 16 one-byte alphanumeric characters can be used for the ID, and up to 8 one-byte alphanumeric characters for the password.

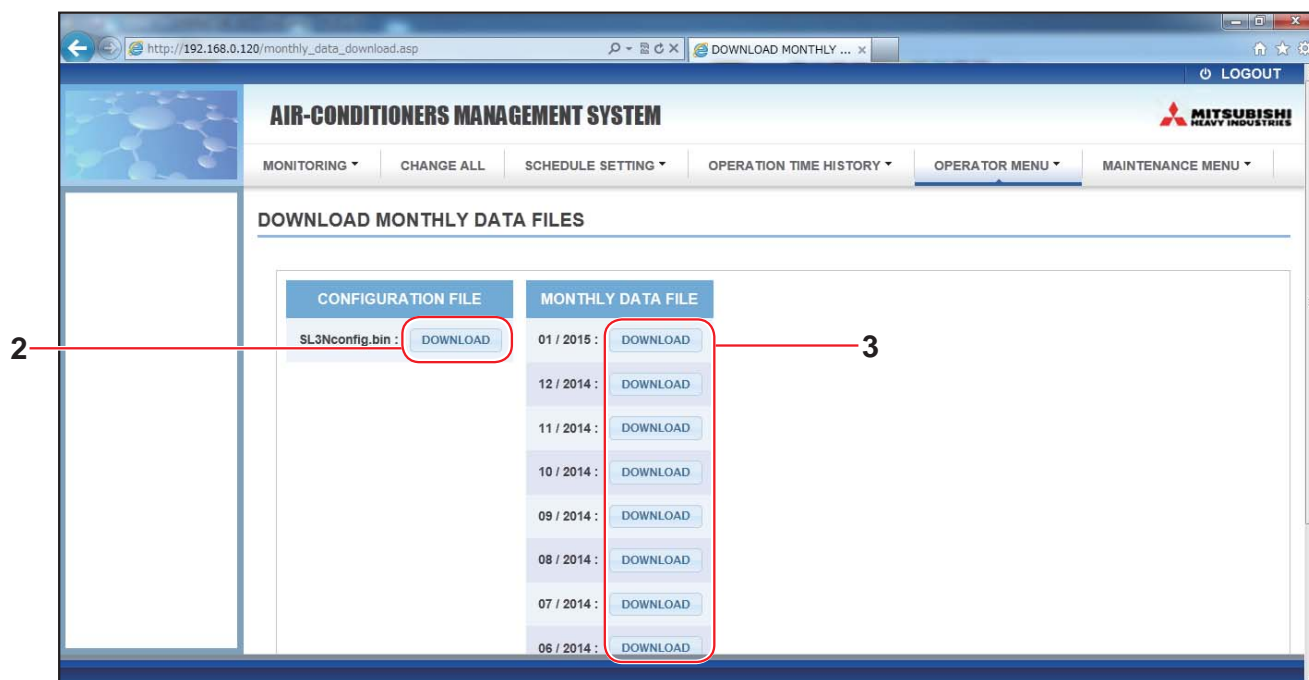
3. Apply the changed setting.

Click the SET button at the bottom of the screen. This applies the changed settings.

- **Download Monthly Data Files (SC-SL4-BE only)**

The DOWNLOAD MONTHLY DATA FILES screen enables you to download the accounting data. Accounting data of 12 months including the data from the current month can be downloaded.

1. Select the DOWNLOAD MONTHLY DATA FILES from the menu bar (OPERATOR MENU).



DOWNLOAD MONTHLY DATA FILES screen

2. Download the configuration file.

You can download the latest group configuration data.

Click the DOWNLOAD button in the CONFIGURATION FILE field. When the pop up window opens, specify the save destination and save it.

3. Download the monthly accounting data file.

In the MONTHLY DATA FILE field, click the DOWNLOAD button of the target month.

When the pop up window opens, specify the save destination and save it.

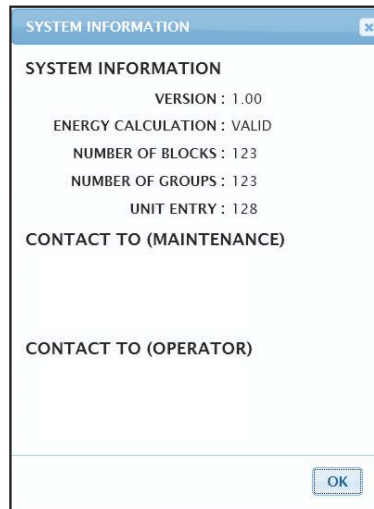
**Note**

The file downloaded in the above procedure can be viewed using the accounting data calculation software (SL4-BE Utility). The accounting data calculation software is attached only to SC-SL4-BE units.

- **System Information**

The SYSTEM INFORMATION screen enables you to view the system information of this product. This screen displays the following information.

1. Select the SYSTEM INFORMATION from the menu bar (OPERATOR MENU).



SYSTEM INFORMATION screen

#### VERSION

Displays the version of the air-conditioners management system currently used.

#### ENERGY CALCULATION

Displays VALID. (SC-SL4-BE only)

#### NUMBER OF BLOCKS

Displays the number of blocks currently registered.

#### NUMBER OF GROUPS

Displays the number of groups currently registered.

#### UNIT ENTRY

Displays the number of air conditioner belonging to the groups currently registered.

#### CONTACT TO

Displays the contact information related to the maintenance and operator of this product.

## Log out

To log out of this system after you have logged in, click LOGOUT on the upper right side of the screen. The login screen appears when you have logged out.

# Using MAINTENANCE MENU

The MAINTENANCE MENU is provided for dealers and qualified professionals responsible for maintaining the central control units.

When logging in with a normal operator's ID, you are not permitted to operate the MAINTENANCE MENU.

## Operation Data Monitoring

You can monitor the operation data of indoor unit and outdoor unit.

1. Click the OPERATION DATA MONITORING on the MAINTENANCE MENU from the menu bar.

The screenshot shows the 'AIR-CONDITIONERS MANAGEMENT SYSTEM' interface. The 'MAINTENANCE MENU' is selected in the top navigation bar. The 'OPERATION DATA MONITORING' section is active. On the left, there is a 'CSV DOWNLOAD' section with a 'DOWNLOAD' button (labeled 3). The main area displays two columns of data: 'INDOOR UNIT' (labeled 2) and 'OUTDOOR UNIT'. Each column has a dropdown menu for selecting the unit address. Below the dropdowns, there are two tables of data. The 'INDOOR UNIT' table has 10 rows, and the 'OUTDOOR UNIT' table has 11 rows. The data includes various parameters such as RUN/STOP, OPERATION MODE, SET TEMP., SET FAN SPEED, REQUIRED Hz, RETURN AIR TEMP., IU EEV OPENING, IU HEAT EXCH. TEMP., and COMP BOTTOM TEMP.

INDOOR UNIT	
1	RUN/STOP :
2	OPERATION MODE :
3	SET TEMP. : deg C
4	SET FAN SPEED :
5	REQUIRED Hz : Hz
6	RETURN AIR TEMP. : deg C
7	IU EEV OPENING : Pulse
8	IU HEAT EXCH. TEMP.1 : deg C
9	IU HEAT EXCH. TEMP.2 : deg C
10	IU HEAT EXCH. TEMP.3 : deg C

OUTDOOR UNIT	
1	COMPRESSOR HZ1 : Hz
2	COMPRESSOR HZ2 : Hz
3	OUTDOOR AIR TEMP. : deg C
4	OU HEAT EXCH. TEMP.1 : deg C
5	OU HEAT EXCH. TEMP.2 : deg C
6	OU HEAT EXCH. TEMP.3 : deg C
7	OU HEAT EXCH. TEMP.4 : deg C
8	DISCHARGE PIPE TEMP.1 : deg C
9	DISCHARGE PIPE TEMP.2 : deg C
10	COMP BOTTOM TEMP.1 : deg C
11	COMP BOTTOM TEMP.2 : deg C

OPERATION DATA MONITORING screen

2. Select Indoor Unit address and/or Outdoor Unit address.

The selected units are set.

<When saving the data>

3. Click the DOWNLOAD button.

The data of selected units is saved.

# Troubleshooting

Forgot the IP address	Refer to the SL4 central control setting.
Forgot the IP address, made an incorrect setting	
Forgot the ID/password	
A connection error occurs	Check whether the entered address was correct. Click the "Refresh" button in Internet Explorer. If this will not fix the problem, restart Internet Explorer.
The monitoring PC freezes every few months.	Restart Internet Explorer regularly. If you are using Windows Vista, check whether the version is SP1 or later. If you are using the earlier version of Windows Vista, upgrade it to SP1 or later.
On-screen operation goes smoothly, but the actual air conditioner does not operate.	Check whether you are operating in virtual mode. Check the setting in the SL4 central control.
Temperature settings (10 deg. C to 17.5 deg. C and 30.5 deg. C to 35 deg. C) cannot be changed.	Some air conditioner may not allow the temperature settings to be changed. Contact your dealer for advice.
Scheduled operation does not work	Check whether the schedule settings (Today's schedule and detailed daily schedule) are configured correctly.



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