

SMART MANAGER (WEB TYPE) Owner's Manual

Model name:

BMS-SM1280HTLUL

This is the manual for the web version of Smart Manager. Please refer to the Owner's Manual for instructions on handling the equipment.

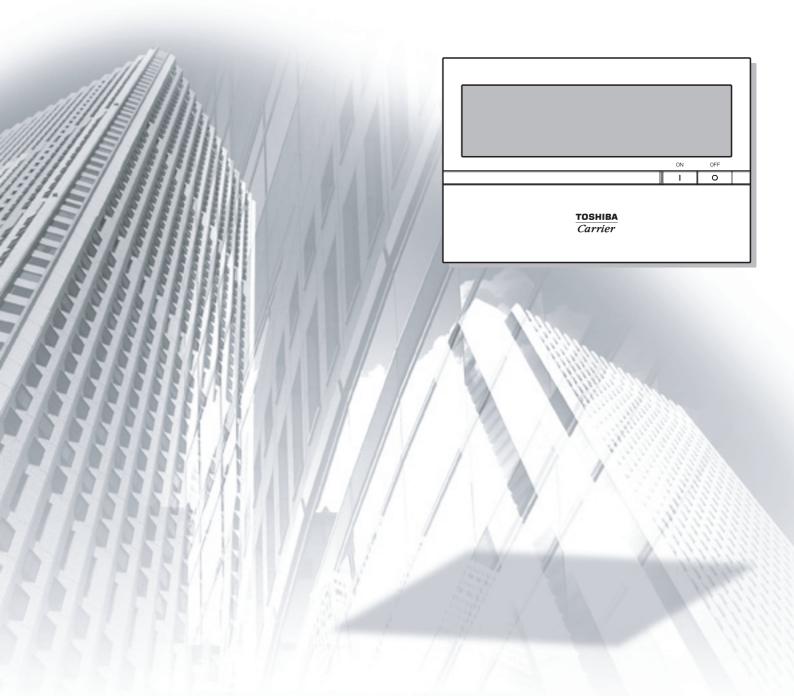


Table of Contents

Precautions for Safety	4
Regarding This Instruction Manual	5
Main Functions	
Names and Functions of Main Screen	6
How to Operate	
Log On / Log Off	
[1] Log On	
[7] Log Off	
Monitoring Air Conditioner Status	
[1] Monitoring Air Conditioner Status in the [List] screen	
[2] Monitoring Air conditioner Status in the [Setup] screen	
Air Conditioner Setup Change 1	
<changing [setup]="" air="" conditioner="" in="" screen="" setup="" the=""></changing>	12
[1] Changing the Setup for each Air Conditioner	12
[2] Changing Setup for Multiple Air Conditioners in a Batch	13
Air Conditioner Setup Change 2	14
<changing [list]="" air="" conditioner="" in="" screen="" setup="" the=""></changing>	14
[1] Changing Setup for each Air Conditioner or Multiple Air Conditioners in a Batch	14
Creating a Master Schedule	16
[1] Creating a New Master Schedule	16
[2] Changing a Master Schedule	18
[3] Copying a Master Schedule	18
[4] Deleting a Master Schedule	
Creating an Execution Schedule 1	
<creating [list]="" an="" execution="" in="" schedule="" screen="" the=""></creating>	
[1] Creating an Execution Schedule for each Air Conditioner or Multiple Air Conditioners in a Batch	
Creating an Execution Schedule 2	
<creating [setup]="" an="" execution="" in="" schedule="" screen="" the=""></creating>	
[1] Creating an Execution Schedule for each Air Conditioner or Multiple Air Conditioners in a Batch	
Checking / Changing an Execution Schedule 1	
<checking [list]="" an="" changing="" execution="" in="" schedule="" screen="" the=""></checking>	
[1] Checking / changing an Execution Schedule for each Air Conditioner or Multiple Air Conditioners Batch	
Checking / Changing an Execution Schedule 2	23
<checking [setup]="" an="" changing="" execution="" in="" schedule="" screen="" the=""></checking>	23
[1] Checking / changing an Execution Schedule for each Air Conditioner or Multiple Air Conditioners Batch	
Ventilation Mode Settings	
[1] Configuring the Ventilation Mode Settings on the [List] screen	
[2] Configuring the Ventilation Mode Settings on the [Setup] screen	25

Creating a Billing Master Schedule	26
[1] Creating a New Billing Master Schedule	26
[2] Changing a Billing Master Schedule	28
[3] Copying a Billing Master schedule	28
[4] Deleting a Billing Master Schedule	28
Creating a Billing Schedule 1	29
<creating [list]="" a="" billing="" in="" schedule="" screen="" the=""></creating>	29
[1] Creating a Billing Schedule for each Air Conditioner or Multiple Air Conditioners in a Batch	29
Creating a Billing Schedule 2	31
<creating [setup]="" a="" billing="" in="" schedule="" screen="" the=""></creating>	31
[1] Creating a Billing Schedule for each Air conditioner or Multiple Air conditioners in Batch	31
Warning List and History	33
[1] Displaying the List of Warnings in the [Alarm List]	33
[2] Displaying the List of Warnings in the [Setup] screen	33
[3] Display the [Alarm History List]	34
Time Setup / Selecting Cooling or Heating Mode	35
[1] Time Setup	35
[2] Selecting Cooling or Heating Mode	
User Account Setup	36
[1] Creating a New User Account	37
[2] Deleting a User Account	38
[3] Changing the Password for a User Account	
[4] Changing a User Account Level	39
Power Meter Reading Date Setup / Change	40
[1] Setting / Changing an Automatic Reading Date	40
[2] Setting / Changing a Manual Reading Date	
Other Settings	
[1] Support Information Display	
[2] Alarm Reset	
[3] Filter Sign Reset	42
Important Information	43
How to Obtain Monthly Data and Distribution Data	43
Troubleshooting	
Please contact your local dealer	43

The following instructions

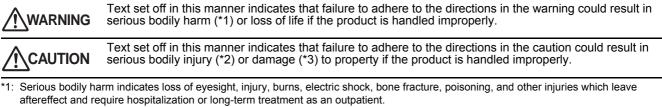
Precautions for Safety

must be observed.

 The product and this manual are provided with important safety notices to ensure safe use and protect the user and other people from hazards and preclude damage to property.

Be sure that you fully understand the following contents (expressions and graphic symbols) and read this manual carefully. Always observe the precautions.

Expressions



*2: Bodily injury indicates injury, burns, electric shock, and other injuries which do not require hospitalization or long-term treatment as an outpatient.

*3: Damage to property indicates damage extending to buildings, household effects, domestic livestock, and pets.

Graphic symbols



"
⁽⁽⁾" indicates prohibited items. The actual contents of the prohibition are indicated by a picture or text placed inside or next to the graphic symbol.

Prohibited

"●" indicates compulsory (mandatory) items. The actual contents of the obligation are indicated by a picture or text placed inside or next to the graphic symbol.

Compulsory



 \triangle " indicates caution items.

The actual contents of the caution are indicated by a picture or text placed inside or next to the graphic symbol.





Ask your dealer or a professional for installation of your system. Installation requires specialized knowledge. If you install your system yourself, fire, electric shock or injury may be caused.



Do not disassemble, alter, repair or relocate the system alone. This may cause fire, electric shock or injury. Ask your dealer for repair or relocation.



Power OFF in the event of an alarm (odor, etc.). Failure to do so may cause fire or electric

shock. Ask your dealer for repair.



Before cleaning the unit, be sure to stop operation and turn OFF the power. Failure to do so may cause electric shock or injury.



Do not touch any button with wet fingers. This may cause electric shock.

Regarding This Instruction Manual

- This document is an instruction manual for the web version. Please refer to the Owner's Manual provided separately for instructions for handling the equipment.
- In this document, the term "click" refers to left-click. Right-click is described as "right-click".
- Depending on the user account level, some restrictions may apply allowing the user to operate or monitor only certain air conditioners. Also, there may be restrictions on access to setup details. Only the air conditioners to be monitored are displayed on the screen. The setup will only display details available to the user according to their user account level.

Main Functions

Monitoring / controlling air conditioners

 Enables users to monitor the operating status, setup status, and error status of all their air conditioners, to start and stop all theirs air conditioners, and change the setup details of all their air conditioners. The air conditioners are named and categorized in a hierarchy by each floor, tenant, area, and air conditioning system. When controlling the air conditioners, they can be set in batch by each floor, tenant, or area, or they can be set individually for each air conditioning system.

The air conditioners can be controlled by linking to the locking signals.

Scheduled operation for air conditioners

Operation of all air conditioners can be scheduled. Up to 10 setups can be programmed for each day, and it is
possible to prevent users from forgetting to switch off by setting a stop schedule. During scheduled operation,
users can set the Power status (On/Off), Operation mode, Temperature setup, Remote control operation
restricted / allowed, Return back and Ventilation operation.

In the master schedule, users can set weekly schedules, four types of special day schedules, and no running date, as well as monthly schedules for up to 12 months.

Distributing power used by air conditioners

It is possible to distribute the power to be used for each air conditioner. In the billing schedule setup, it is
possible to monitor the operation time period and power distribution during both working hours and non-working
hours separately.

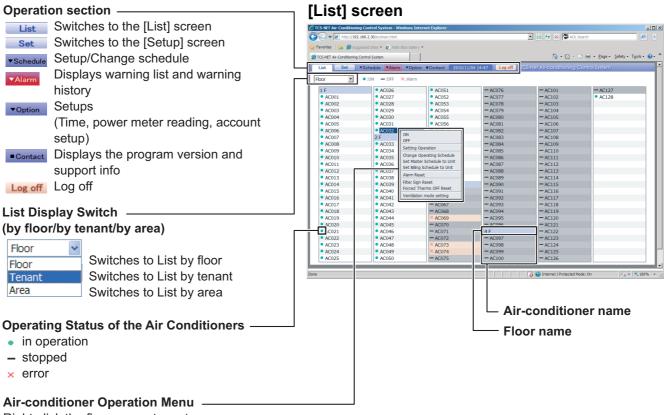
Note that power distribution requires the Energy Monitoring Relay Interface (sold separately).

Warning list

• Displays all current warnings in a list. Warning history is also displayed in a list.

Names and Functions of Main Screen

Operating status and error status can be checked for all air conditioners.



Right-click the floor name, tenant name, area name, or air conditioner name to display the Operation menu. Users can select Air conditioner operation/stop/settings.

ON OFF
Setting Operation
Change Operating Schedule Set Master Schedule to Unit Set Billing Schedule to Unit
Alarm Reset
Filter Sign Reset Forced Thermo OFF Reset
Ventilation mode setting

Note:

• If the user account level is Guest, some restrictions may be applied so that the user can operate or monitor only certain air conditioners.

In this case, only the air conditioner(s) to be operated are displayed in the Setup screen.

Air conditioners can be started or stopped, or their setup can be changed. In addition, the setup status, error details, and room temperature for each air condition can be checked.

Operati	on section	_	Warning List
List	Switches to the [List] screen		Current warnings are listed.
Set	Switches to the [Setup] screen		
▼Schedule	Setup/Change schedule		
▼Alarm	Displays warning list and warning	[Setup] screer	ו
	history	CS-NET Air-Conditioning Control System - Windows	Internet Explorer
▼Option	Setups	Control System Favorites For the second secon	🖻 🕒 😽 🗙 🌘 AOL Search
	(Time, power meter reading, account	List Set Schedule Alarm	etion =Contact 2010/11/10 15:50 Log off CS-Net Ak-conditioning Control System
	setup)	3 F tenant E area 30A 3 F tenant E area 30B	AC069 2010/11/10 15:50 C06:Receiving error in central control AC073 2010/11/10 15:50 C06:Receiving error in central control
Contact	Displays the program version and	3 F tenant E area 30B	AC074 2010/11/10 15:50 C06:Receiving error in central control
	support info	Al Floor #1 F	Unit ON Mode Set rcs speed Louver Ar rcs Venti Filter Alarm
Log off	Log off		4 F tenant H area 40D AC121 ON COOL 26 →## ≪X+ -31 AC122 ON COOL 26 →## ≪X+ -31
Air con	ditioners displayed in tree format ——	etenant G ⇒ tenant H	AC123 ON COOL 26d
The air-	conditioner level structure is displayed in	area 40C area 40D AC121 ON	AC125 ON COOL 26 an (%) -31 AC125 ON COOL 26 an (%) -31
a tree fo	ormat.	AC122 OFF AC123 Setting Operation AC124 Change Operation Schedule	AC127 ON COOL 26 -1 -31 Heat
		AC124 Change Operating Schedule AC125 Set Master Schedule to Unit AC126 Set Billing Schedule to Unit AC127	
	ditioner operation menu	Alarm Reset Filter Sign Reset Forced Thermo OFF Reset	
	ne cursor on the floor name, tenant name,	Ventilation mode setting	
	me, or air conditioner name and		
•	ck to display the operation menu.		
	conditioner can be started or stopped, or	Done	ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا
its settir	ngs can be changed.		
ON			Air Conditioner Setup Detail
OFF			The setup details for the air
Setting C			conditioners in the area
_	Operating Schedule er Schedule to Unit		selected in the tree format are
	Schedule to Unit		displayed.
Alarm Res			The room temperature, filter
Filter Sign	Reset		sign warning, and error details
Forced T	hermo OFF Reset		are also displayed.
Ventilatio	n mode setting		
Air Cor	ditioner Control screen		
Place th	e cursor on the setup status of the air-cond	ditioner and	
click to	display the [Control] screen. The air conditi	oner can be	
started	or stopped, or its settings can be changed.		
Control			
ON/OFF	ON V		peration Menu ————
Mode	COOL		or over the ventilation status indication of ar
Set (°F)	70 •		and click it to display the [Ventilation mode
Fan	LOW		n. You can change the ventilation mode
Louver	NO SWING -	settings on the	e screen.
	 ○ Keep ⑦ Permitted 	Ventila	ition mode setting
R/C Ctrl	O Prohibited:		lation Heat exchange
., <i>b</i> ou.	ON/OFF	Venti	lation ON OFF ® Keep
	Set on	venu	

Note:

Ok

Cance

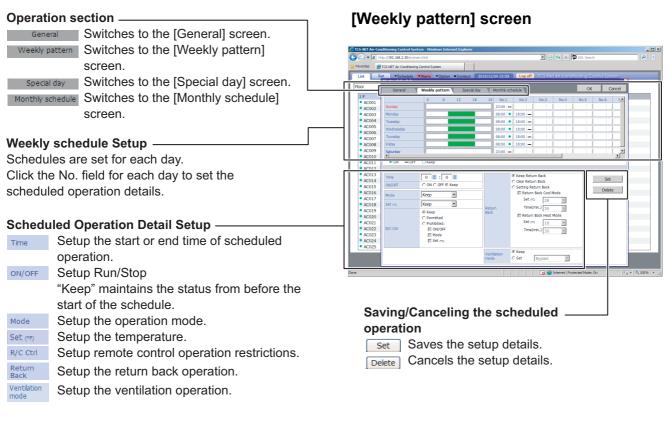
• If the user account level is Guest, some restrictions may be applied so that the user can operate or monitor only certain air conditioners.

Cancel

ОК

In this case, only the air conditioner(s) to be operated are displayed in the Setup screen.

The Master schedule can be set or changed.



[Monthly schedule] screen

	🔄 🐑 💌 🙋 http://192.168.2.30/en/main.html	P •
	🙀 Favorites 🏾 🏀 TCS-NET Air-Conditioning Control System	
	List Set VSchedule Value Voption Contact 2010/11/04 16:17 Log off TCS-Net Air-conditioning Control System	
	Area General Weekly pattern Special day Monthly schedule OK Cancel	וה
Year and Month Setup	area 10A	
•	AC002 Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat	
Select the year and month to set the schedule.	AC003 C Special 2 1 2 3 4 5 6 1 2 3 4 AC004 C Special 3	
5	AC005 C Special 4 7 8 9 10 11 12 13 5 6 7 8 9 10 11	
	AC006 C Non Op. I4 15 16 17 18 19 20 12 13 14 15 16 17 18 AC007 @ Weekly	
Monthly schedule Setup	21 22 23 24 25 26 27 19 20 21 22 23 24 25	
•	area 108 28 29 30 26 27 28 29 30 31	
Select the special day and click the date to choose the	• AC010	
settings for the special day.	AC011 AC012	
5 1 5	AC013 Z011/01 Z011/02 Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat	
The special day selected is displayed under the date.	AC014 AC015 AC015	
	AC016 2 3 4 5 6 7 8 6 7 8 9 10 11 12	
	area 10C • AC017 9 10 11 12 13 14 15 13 14 15 16 17 18 19	
Monthly schedule Detail	AC018 16 17 18 19 20 21 22 20 21 22 23 24 25 26	
,	AC029 AC020 Z3 24 25 26 27 28 29 27 28	
The monthly schedule is displayed.	AC021 AC022 AC02 AC022 AC022 AC02 AC022 AC022 AC0	
	• AC022 30 31	
		1

Saving/Canceling the master schedule setup

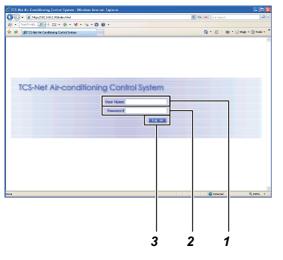
When all settings for the master schedule have been completed, save the setup details.

ок Saves the setup details.

Cancel Cancels the setup details.

How to Operate Log On / Log Off

[Log-on] screen



[1] Log On

- 1. Enter your user name.
- 2. Enter your password.
- 3. Left-click Log on .

The screen will display [List] screen.

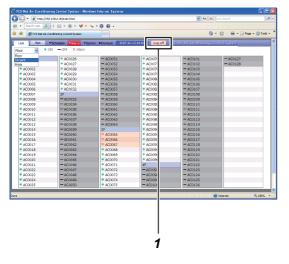
Note:

Hereinafter, "left-click" will be referred to simply as "click" while "right-click will" be referred to as "right-click".

Reference:

- The user account setting at shipping is as follows; user name :TCC password :TCC
 - account level :Administrators
- Refer to page 37 for how to register your user name.
- Refer to page 38 for how to change your password.

[List] screen



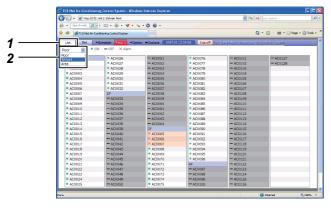
[2] Log Off

 Click Log off.
 The user is logged off and the screen returns to the [Log-on] screen.

Monitoring Air Conditioner Status

Air conditioner operation status, setup status, and error status can be checked. [List] screen : "Operation status" and "Error status" can be checked for all air conditioners. [Setup] screen: "Setup status" details can be checked for each individual air conditioner.

[List] screen (by Floor)



[1] Monitoring Air Conditioner Status in the [List] screen

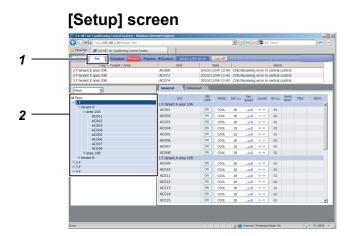
- 1. Click List to switch to the [List] screen.
- **2.** In the [List] screen, the air conditioners can be listed by floor, tenant, or area.

Úse	Floor	to switch between lists.
	Floor	
	Tenant	
	Area	`

- **3.** The status displayed The symbol displayed at the head of each air conditioner name indicates the status.
- : Indicates it is running.
- = : Indicates it is stopped.
- X : Indicates an error is occurred.

Reference:

• The error details are displayed in the [Alarm List] (refer to page 33).



List Set *Schedule *Korm *Opti	on Contact 2010/11/04	16:19 Log off TC	S-Net Air-conditioning (Control System
Floor / Tenant / Area	Unit	Date		Narm
3 F tenant E area 30A	AC069		06:Receiving error in cen	
3 F tenant E area 308 3 F tenant E area 308	AC073 AC074		06:Receiving error in cen 06:Receiving error in cen	
3 F tenant E area 308			OS:Receiving error in cen	trai control
1Hoor 🗾	Adva	nced		
Al Floor	Unit	Naster Schedule	Biling Schedule	Return Back Forced Them
G 1 F	1 F tenant A area 10A		Unity Contract	0#
G tenant A	AC001	NO SETTING	sample B	
area 10A AC001	AC002	NO SETTING	sample B	
AC002	AC003	NO SETTING	sample B	
AC003	AC004	NO SETTING	sample B	
AC004 AC005	AC004	NO SETTING	sample B	-
AC005 AC006				
AC007	AC006	NO SETTING	sample B	•
AC008	AC007	NO SETTING	sample B	•
area 10B	AC008	NO SETTING	sample B	
* tenant B * 2 F	1 F tenant A area 108			
- 2 F	AC009	NO SETTING	sample B	-
184 F	AC010	NO SETTING	sample B	
	AC011	NO SETTING	sample B	
1	AC012	NO SETTING	sample B	
	AC013	NO SETTING	sample B	
	AC014	NO SETTING	sample B	
	AC015	NO SETTING	sample B	

[2] Monitoring Air conditioner Status in the [Setup] screen

- 1. Click <u>set</u> to switch to the [Setup] screen.
- **2.** Select the Floor, Tenant, or Area in the tree format to display the air conditioner you wish to check.
- **3.** Click the Advanced tab to check the master schedule or billing schedule setup.

Air Conditioner Setup Change 1

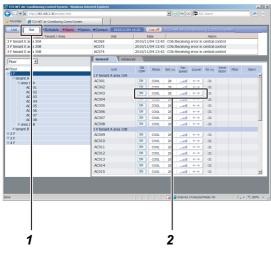
Air conditioners can be started or stopped, or their setup details can be changed.

- The setup details to be changed are as follows.
- On/Off, Operation mode, Setup temperature, Air volume, Louver, Remote control operation restricted / allowed
- Air conditioners can be set by the following groups.
 - Setup for all air conditioners in a batch
 - Setup for air conditioners by floor in a batch
 - Setup for air conditioners by tenant in a batch
 - Setup for air conditioners by area in a batch
 - Setup for each air conditioner

Reference:

Air conditioner setup can be changed in either the [Setup] screen or the [List] screen.

[Setup] screen

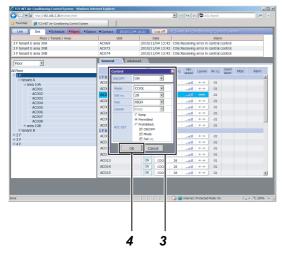


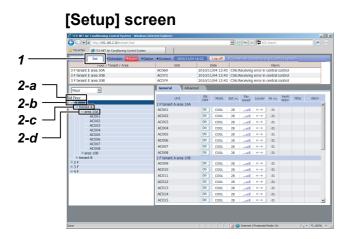
<Changing Air Conditioner Setup in the [Setup] screen>

[1] Changing the Setup for each Air Conditioner

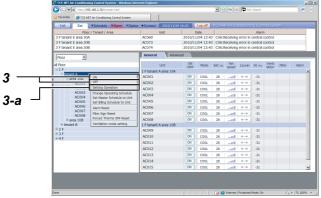
- 1. Click <u>set</u> to switch to the [Setup] screen.
- Place the cursor on the air conditioner setup status to operate and click. The [Control] screen appears.
- 3. Change the setup details in the [Control] screen.
- **4.** When the setup change is completed, click . The air conditioner setup is changed.

[Setup] screen





[Setup] screen





[2] Changing Setup for Multiple Air Conditioners in a Batch

- 1. Click <u>set</u> to switch the [Setup] screen.
- **2.** The following operations are allowed for setting up air conditioners in a batch.
 - a) All air conditioners in a batch
 - b) Air conditioners by floor in a batch
 - c) Air conditioners by tenant in a batch
 - d) Air conditioners by area in a batch

In the tree format, place the cursor on the floor name or tenant name for air conditioners you wish to operate and right-click. The [Operation menu] appears.

3. To run the air conditioners:

Place the cursor on the ON in the [Operation menu] and click.

The air conditioners are run in a batch.

To stop the air conditioners:

Place the cursor on OFF in the [Operation menu] and click.

The air conditioners are stopped in a batch.

To change the setup such as operation mode:

- a) Place the cursor on the Setting Operation in the [Operation menu] and click. The [Control] screen appears.
- b) Change the setup details in the [Control] screen.
- c) When the setup is completed, click . The setup for the air conditioners is changed in a batch.

Air Conditioner Setup Change 2

C TCS-NET Air-Condition	ing Control System - Windows	Internet Explorer			
C C + 10 http://19	2, 168, 2, 30/en/main.html			💽 🔁 🍜 🗶 💯 AOL S	sarch
- Fevorites ATCS-M	T Air-Conditioning Control System	1			
Ust Set	*Schedule *Alarm *O	otion Contact 2010/1	1/04 16:24 Log off	TCS-Net Air-conditioning	Control System
Floor M	• :ON -:OFF X:Alar	m			
1.6	 AC026 	AC051	- AC076	- AC101	= AC127
1 F • AC001	 AC026 AC027 	 AC051 AC052 	- AC076	- AC101	- AC127
 AC001 AC002 	 AC027 AC028 	 AC052 AC053 	- AC078	- AC102	• AC120
• AC002	 AC028 AC029 	 AC054 	- AC079	- AC103	
 AC004 	 AC030 	 AC055 	- AC080	- AC105	
• AC005	 AC031 	 AC056 	- AC081	- AC106	
• AC006	 AC032 	 AC057 	- AC082	- AC107	
	2E		- AC083	- AC108	
ALUUS	ALUSS ON		-AC084	- AC109	
 AC009 	OFF OFF	1	- AC085	- AC110	
- WC010	Setting	Operation	-AC086	- AC111	
 AC011 		e Operating Schedule	- AC087	- AC112	
 AC012 		ster Schedule to Unit ing Schedule to Unit	- AC088	- AC113	
 AC013 	· ALUSS		- AC089	- AC114	
 AC014 	 AC039 		- AC090	- AC115	
 AC015 		ign Reset Thermo OFF Reset	- AC091	- AC116	
 AC016 	 AC041 	tion mode setting	- AC092	- AC117	
 AC017 	* AC042		- AC093	- AC118	
 AC018 	 AC043 	- AC068	- AC094	- AC119	
 AC019 	 AC044 AC045 	× AC069	- AC095	- AC120	
AC020 AC021	 AC045 AC045 	- AC070 - AC071	- AC096	- AC121	
 AC021 AC022 	 AC045 AC047 	- AC071	4 F = AC097	- AC122	
 AC022 AC023 	 AC048 	× AC073	- AC097	- AC125	
• AC024	 AC049 	× AC074	- AC099	- AC125	
• AC024	 AC050 	- AC075	- AC100	- AC125	
• ML025	■ AC030	- 20075	- MC100	- ML126	

A 1033 A 1034 A 1035 A 1035 A 1036 A 1037 A 1038 A 1039 A 1040 A 1041	OFF Setting Operating Schedule Set Master Schedule to Unit Set Biling Schedule to Unit Alarm Reset Fiter Sign Reset Forced Thermo OFF Reset	 AC 334 AC 335 AC 336 AC 336 AC 337 AC 338 AC 339 AC 340 area 108 	OFF Setting Operation Change Operating Schedule Set Master Schedule to Unit Set Billing Schedule to Unit Alarm Reset Filter Sign Reset Forced Thermo OFF Reset	 AC0 3 AC0 4 AC0 5 AC0 6 AC0 6 AC0 7 AC0 8 AC0 9 AC0 0 	OFF Setting Operating Schedule Set Master Schedule to Unit Set Billing Schedule to Unit Alarm Reset Filter Sign Reset Forced Thermo OFF Reset
A :042	Ventilation mode setting	AC 041	Ventilation mode setting	area 203	Ventilation mode setting



<Changing Air Conditioner Setup in the [List] screen>

[1] Changing Setup for each Air Conditioner or Multiple Air Conditioners in a Batch

- 1. Click List to switch to the [List] screen.
- **2.** The following operations are allowed for setting up the air conditioners.
 - a) Air conditioners by floor in a batch
 - b) Air conditioners by tenant in a batch
 - c) Air conditioners by area in a batch
 - d) By each air conditioner

Place the cursor on the floor name of the air conditioner(s) to operate or the air conditioner name and right-click.

The [Operation menu] appears.

- When running the air conditioner(s): Place the cursor on the ON in the [Operation menu] and click.
 - The air conditioners are started in a batch.

When stopping the air conditioners:

Place the cursor on the OFF in the [Operation menu] and click.

The air conditioners are stopped in a batch.

When changing the setup such as operation mode:

- a) Place the cursor on the Setting Operation in the [Operation menu] and click. The [Control] screen appears.
- b) Change the setup details in the [Control] screen.
- c) When the setup is completed, click .
- The setup for the air conditioners is changed in a batch.

Note:

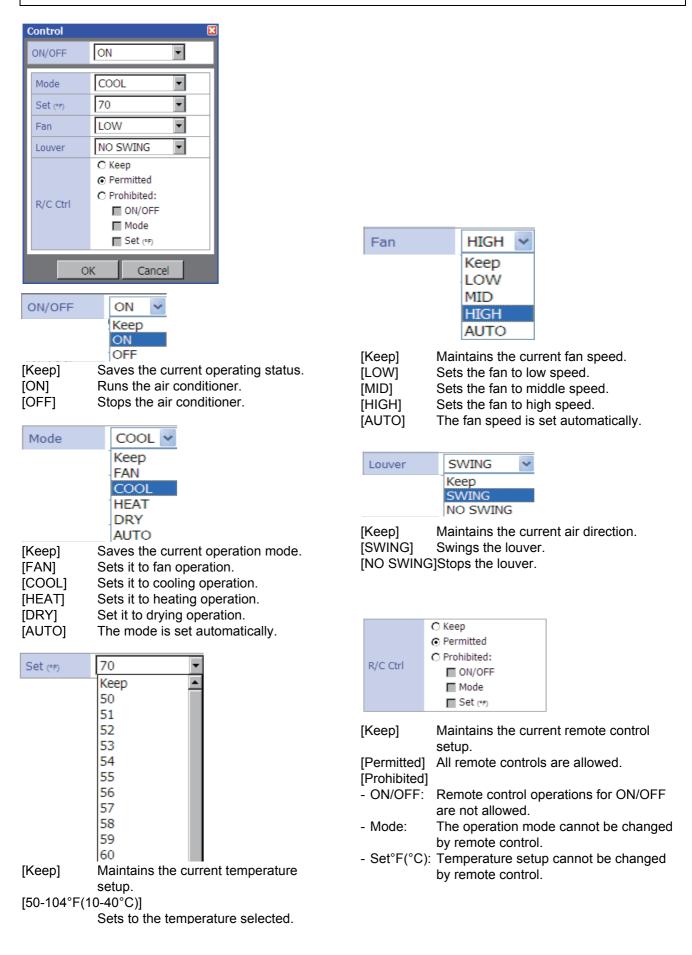
• Air conditioners cannot all be set at once in a batch in the [List] screen.

Reference:

• The list by floor, by tenant, or by area in the [List] screen can be switched by using Floor



The air conditioner setup details in the [Control] screen are described.



Creating a Master Schedule

Operations of air conditioners can be scheduled.

- The following can be set for scheduled operation.
- On/Off, Operation mode, Temperature setup, Operation of remote control prohibited / allowed, Return Back, and Ventilation mode.
- Up to 10 operations can be set per day for scheduled operation.
- Up to 32 master schedules can be set.

Setup steps for scheduled operation

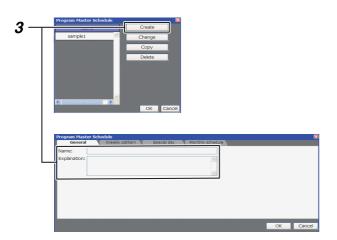
- (1) Creating a master schedule
- The master schedule consists of the Weekly pattern (weekly schedule) and the Special day (schedule for special days). These are combined to create a Monthly schedule.
- (2) Creating an execution schedule
 - Select and copy the master schedule used for each air conditioner to create an execution schedule.

🙆- л м	tp://192.169.2.30/mein Mml			🛩 49 🖉	Uve Search
🔕 • Searchweb	🔎 + 🖾 • 🛞 • 📢 • •	-00-			
🚖 🏟 🍎 KESA	et Air-Canditioning Control System			5	🕈 * 🖾 * 🖶 * 🕞 Page
1	Schedule 70pt	ion =Contact 2(07.1	0.1514:17 Log off		
Floor	Change Operating Schedule				
	Program Master Schedule		 AC0076 	AC0101	AC0127
	Program Billing Schedule	 AC0051 			
 AC0001 	AC0028	 AC0052 AC0053 	 AC0077 	 AC0102 	 AC0128
 AC0002 AC0003 	 AC0028 AC0029 	 AC0053 AC0054 	 AC0078 AC0079 	 AC0103 AC0104 	
 AC0003 AC0004 	 AC0029 AC0030 	 AC0054 AC0055 	 AC0050 AC0050 	AC0104	
 AC0004 AC0005 	 AC0030 AC0031 	 AC0055 AC0056 	 AC0080 AC0081 	AC0105	
 AC0005 AC0006 	 AC0031 AC0032 	 AC0056 AC0057 	 AC0082 	AC0105	
 AC0007 	2F	 AC0058 	 AC0083 	 AC0107 AC0108 	
 AC0008 	 AC0033 	 AC0059 	 AC0084 	 AC0109 	
 AC0009 	 AC0034 	 AC0060 	 AC0085 	 AC0110 AC0110 	
AC0010	 AC0035 	AC0061	 AC0086 	AC0111	
 AC0011 	 AC0036 	AC0062	 AC0087 	 AC0112 	
AC0012	AC0037	AC0063	AC0068	AC0113	
AC0013	AC0038	AC0064	AC0069	AC0114	
AC0014	AC0039	3F	AC0090	AC0115	
AC0015	 AE0040 	× AC0065	 AC0091 	AC0116	
AC0016	 AC0041 	× AC0066	 AC0092 	AC0117	
AC0017	 AC0042 	× AC0067	 AC0093 	AC0118	
AC0018	 AC0043 	AC0068	 AC0094 	AC0119	
AC0019	 AC0044 	 AC0069 	 AC0095 	AC0120	
AC0020	 AC0045 	 AC0070 	 AC0096 	AC0121	
AC0021	 AC0046 	AC0071	4F	 AC0122 	
AC0022	AC0047	AC0072	AC0097	AC0123	
AC0023	AC0048	AC0073	 AC0096 	AC0124	
AC0024	 AC0049 	 AC0074 	 AE0099 	 AC0125 	
AC0025	 AD0050 	AC0075	AC0100	AC0126	

[1] Creating a New Master Schedule

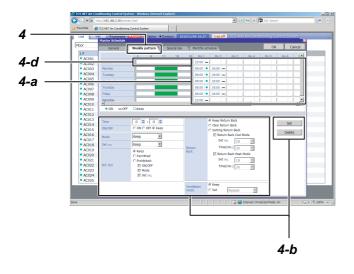
- **1.** Place the cursor on **Schedule** to display the [Operation menu].
- 2. Click the Program Master Schedule in the [Operation menu].

The [Program Master Schedule] screen is displayed.

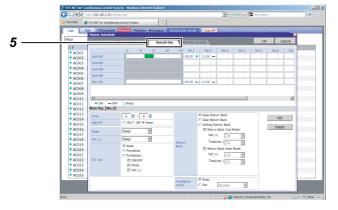


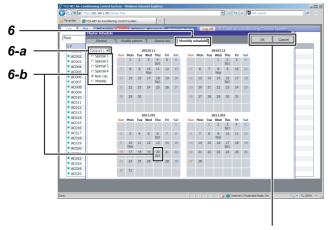
3. When creating a new master schedule, click

The [Program Master Schedule] screen is displayed. Enter the master schedule name and the description.



[Special day Setup] screen





4. Weekly pattern setup

Click the weekly pattern tab to switch to the [Weekly pattern Setup] screen.

Set the schedule operation start time, end time, and details according to the following steps.

Setup steps

- a) Click the No. field of the day you wish to set.
- b) Set the time and operation details and then click Set
- c) Repeat a and b above to create the weekly pattern.
- d) The setup details completed for the day can be copied to other days.

Right-click the timeframe of the setup completed for the day. \int_{Parte}^{COPY} is displayed.

Click Copy and right-click the timeframe to copy it and then click Paste. The setup details are copied.

5. Special day setup

Any special days that are exceptions to the weekly pattern schedule can be set.

Click <u>Special day</u> tab to switch to the [Special day Setup] screen.

The setup procedure is the same as that of the weekly pattern, in which the scheduled operating start time, end time, and details can be set.

6. Monthly schedule setup

Click Monthly schedule tab to switch to the [Monthly schedule Setup] screen.

In the Monthly schedule, set the special days in the calendar.

Setup Steps

- a) Select the year and month to set.
- b) Select Special 1-4 or Non Op. and click the dates that you wish to set as special days. The setup details for the special days are entered in each respective day.
- c) When the setup is completed, click ok to save the setup details.

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🙇 🔹 Searthweb	- P + 🕮 + 🛞 + 🕊 + 😘	-0.0-			
🚖 🕸 💋 (SA)	et Ar-Conditioning Control System			4	• • • • • • • •
	•Soliedule Witten •Optio	n =Context 2007.1	0.15 14:17 Log off	CS Net Air conditioning	Control System
Floor M	Change Operating Schedule				
	Program Hister schedule	AC0051	AC0076	AC0101	AC0127
AC0001	Program Billing Schedule	• AC0051	 AC0076 AC0077 	 AC0107 AC0107 	 AC012/ AC0128
 AC0001 AC0002 	• AC0028	• AC0052	 AL0077 AC0078 	AC0102	- AL0128
 AC0002 AC0003 	AC0029	 AC0054 	 AE0079 	 AC0103 AC0104 	
 AC0004 	 AC0029 AC0030 	 AC0055 	 AC0050 	 AC0104 AC0105 	
 AC0005 	• AC0031	 AC0056 	AE0081	 AC0105 	
 AC0006 	AC0032	 AC0057 	 AC0082 	 AC0103 	
AC0007	2F	AC0058	AC0083	AC0108	
AC0008	AC0033	AC0059	AC0084	AC0109	
AC0009	AC0034	AC0060	AC0085	AC0110	
AC0010	AC0035	AC0061	AC0086	AC0111	
AC0011	 AC0036 	AC0062	 AC0087 	AC0112	
AC0012	AC0037	AC0063	 AC0088 	AC0113	
AC0013	 AC0038 	AC0064	 AC0089 	AC0114	
AC0014	 AC0039 	37	 AC0090 	AC0115	
AC0015	AC0040	× AC0065	AC0091	AC0116	
AC0016	AC0041	× AC0066	AE0092	AC0117	
AC0017	AC0042	× AC0067	 AC0093 	AC0118	
AC0018	AC0043	AC0068	AE0094	AC0119	
AC0019	AC0044	AC0069	 AC0095 	AC0120	
AC0020	 AC0045 	AC0070	 AC0096 	 AC0121 	
 AC0021 	 AC0046 	 AC0071 	45	 AC0122 	
AC0022	AC0047	 AC0072 	 AC0097 	 AC0123 	
 AC0023 	AC0048	 AC0073 	AC0098	AC0124	
AC0024	AC0049	 AC0074 	 AC0099 	AC0125	
AC0025	AC0050	AC0075	 AC0100 	AC0126	

[2] Changing a Master Schedule

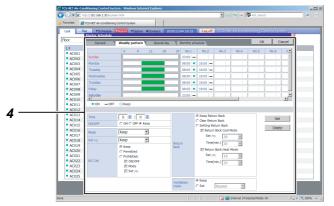
- **1.** Place the cursor on **Schedule** to display the [Operation menu].
- Click the Program Master Schedule in the [Operation menu]. The [Program Master Schedule] screen appears.
- **3.** To change the master schedule, click and select the master schedule that you wish to change, and then click <u>change</u>.

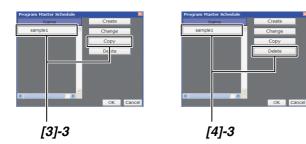
The [Master Schedule Setup] screen appears.

4. The schedule setup can be changed with the same steps used to create a new master schedule (refer to page 16).

3 Create Checkle Checkle Change Create Change Checkle Change Checkle Change Checkle Change Checkle Change Checkle Change Checkle Check

[Master Schedule Setup] screen





[3] Copying a Master Schedule

- **1.** Place the cursor on **Schedule** to display the [Operation menu].
- 2. Click the Program Master Schedule in the [Operation menu]. The [Program Master Schedule] screen appears.
- **3.** To copy a master schedule, click and select the master schedule that you wish to copy, and then click <u>copy</u>. The master schedule selected is copied.

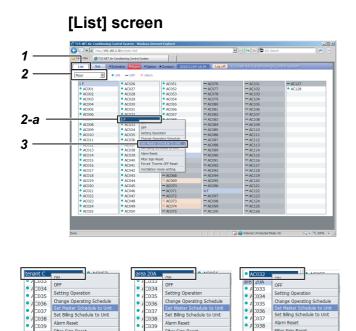
[4] Deleting a Master Schedule

- **1.** Place the cursor on **▼**Schedule to display the [Operation menu].
- 2. Click the Program Master Schedule in the [Operation menu]. The [Program Master Schedule] screen appears.
- **3.** To delete a master schedule, click and select the master schedule that you wish to delete, and then click <u>Delete</u>. The master schedule selected is deleted.

Creating an Execution Schedule 1

Reference:

Execution schedules can be created in either the [Setup] screen or the [List] screen.





[Set Master Schedule to Unit]
screen

	Set Master Scheduk	e to Unit			X
	Unit	Schedule	Unit	Schedule	1
	AC0033	NO SETTING	AC0041	NO SETTING	
4 —	1.00001	NO SETTING	AC0042	NO SETTING	
	AC0035	NO SETTING	AC0043	NO SETTING	
	AC0036	NO SETTING	AC0044	NO SETTING	=
	AC0037	NO SETTING	AC0045	NO SETTING	
	AC0038	NO SETTING	AC0046	NO SETTING	
	AC0039	NO SETTING	AC0047	NO SETTING	
	<	NO 05777110	1 000 10	3	~
				OK Cance	J

<Creating an Execution Schedule in the [List] screen>

[1] Creating an Execution Schedule for each Air Conditioner or Multiple Air Conditioners in a Batch

- 1. Click List to switch to the [List] screen.
- 2. Select the air conditioner(s) to be set to the execution schedule by any one of groups below.
 - a) Air conditioners by floor in a batch
 - b) Air conditioners by tenant in a batch
 - c) Air conditioners by area in a batch
 - d) By each air conditioner Click Floor to



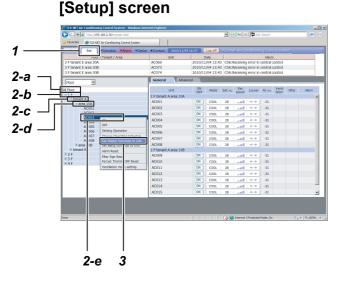
list the air conditioners by floor, tenant, or area in the [List] screen. Place the cursor on the floor name for the air conditioners (batch by floor) or the air conditioner name (by each air conditioners) you wish to operate and right-click. The [Operation menu] appears.

- **3.** Click the Set Master Schedule to Unit in the [Operation menu]. The [Set Master Schedule to Unit] screen appears.
- Click the Schedule field of the air conditioner you wish to create an execution schedule for.
 To set in batch, click All Unit.
 The [Master Schedule] screen appears.

Accoss No Master Sthedule M Accoss School E Name Check No Ended E Name Accoss No Strot E Name Check Ended E Name Accoss No Strot E Name Check Ended E Name Accoss No Strot E Name Check Ended E Name Accoss No Strot E Name Check Ended E Name Accoss No Strot E Name Ended E Name Ended E Name Ended E Name Accoss No Strot E Name Ended E Name Ended E Name Ended E Name Accoss No Strot E Name Ended E Name <th></th> <th>Unit</th> <th>Schedule</th> <th>Unit</th> <th>Schedul</th> <th>e</th>		Unit	Schedule	Unit	Schedul	e
AC0034 NO S ND SETTING Check AC0036 NO SETTING NO SETTING NO SETTING AC0036 NO S NO SETTING NO SETTING AC0037 NO S NO SETTING NO SETTING AC0038 NO S OK Cancel AC0039 NO SETTING NO SETTING NO SETTING		AC0033				×
Accouse No C No SETTING Accouse No SETTING Accouse Accouse No S Accouse Accouse No S Accouse Accouse No S OK Accouse No S OK Accouse No SETTING No SETTING		AC0034	NO S		Charle	
AC0036 NO 5 AC0037 NO 5 AC0038 NO 5 AC0039 NO 5ET LING AC0047 NO 5E	ī ——	A COD 25	NO			
AC0038 NO S AC0039 NO SET LING AC0047 NO SET LING A		AC0036				~
		AC0037	NO 5			-
		AC0038	NO S			
		AC0039	NO SET TING	ACUU47		
				100010		
				2	ок][_

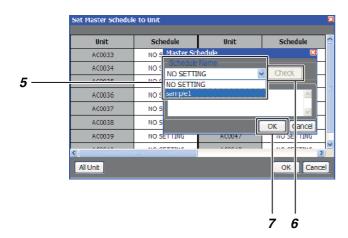
- **5.** Select the master schedule you wish to copy.
- 6. To check the schedule details, click check .
- **7.** When the setup is completed, click <u>K</u>. The execution schedule is set for the air conditioner(s) selected.

Creating an Execution Schedule 2



[Set Master Schedule to Unit] screen

	Set Master Schedul	e to Unit			×
	Unit	Schedule	Unit	Schedule	^
	AC0033	NO SETTING	AC0041	NO SETTING	
4 —	100001	NO SETTING	AC0042	NO SETTING	
	AC0035	NO SETTING	AC0043	NO SETTING	
	AC0036	NO SETTING	AC0044	NO SETTING	=
	AC0037	NO SETTING	AC0045	NO SETTING	
	AC0038	NO SETTING	AC0046	NO SETTING	
	AC0039	NO SETTING	AC0047	NO SETTING	
	<		1 000 10	10 00000	~
L	All Unit			OK Cance]



<Creating an Execution Schedule in the [Setup] screen>

[1] Creating an Execution Schedule for each Air Conditioner or Multiple Air Conditioners in a Batch

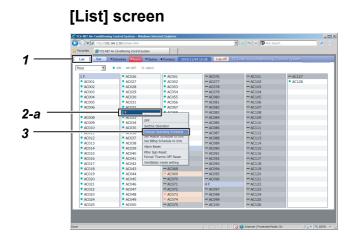
- 1. Click set to switch to the [Setup] screen.
- 2. Select the air conditioner(s) to be set to the execution schedule by any one of groups below.a) All air conditioners in a batch
 - b) Air conditioners by floor in a batch
 - c) Air conditioners by tenant in a batch
 - d) Air conditioners by area in a batch
 - e) By each air conditioner
 In the tree format, place the cursor on the floor name for the air conditioners (batch by floor) or the air conditioner name (by each air conditioner) you wish to operate and right-click. To set in a batch for all air conditioners, place the cursor on All Floors and right-click. The [Operation menu] appears.
- **3.** Click the Set Master Schedule to Unit in the [Operation menu]. The [Set Master Schedule to Unit] screen appears.
- Click the Schedule field of the air conditioner that you wish to create the schedule for.
 To set in a batch, click Al Unit.
 The [Master Schedule] screen appears.
- 5. Select the master schedule you wish to copy.
- 6. To check the schedule details, click ______.
- 7. When the setup is completed, click . The execution schedule is now set for the air conditioner(s) selected.

Checking / Changing an Execution Schedule 1

Reference:

The execution schedules can be checked or changed with the same procedure as that used for creating the execution schedules.

This can be done in either the [Setup] screen or the [List] screen.



C034 C035 C036 C037	OFF Setting Operation Change Operating Schedule Set Master Schedule to Unit	 A 1033 A 1034 A 1035 A 1036 A 1037 	OFF Setting Operation Change Operating Schedule Set Master Schedule to Unit	 \C033 \C034 \C035 \C036 	OFF Setting Operation Change Operating Schedule Set Master Schedule to Unit
C038 C039 C040	Set Biling Schedule to Unit Alarm Reset Filter Sign Reset	 A 2038 A 2039 A 2040 	Set Biling Schedule to Unit Alarm Reset Filter Sign Reset	 \C037 \C038 \C039 	Set Billing Schedule to Unit Alarm Reset Filter Sign Reset
C040	Forced Thermo OFF Reset Ventilation mode setting	are: 20B • / 2041	Forced Thermo OFF Reset Ventilation mode setting	 \C040 ar a 20B 	Forced Thermo OFF Reset Ventilation mode setting

[Change Operating Schedule] screen



<Checking / Changing an Execution Schedule in the [List] screen>

[1] Checking / changing an Execution Schedule for each Air Conditioner or Multiple Air Conditioners in a Batch

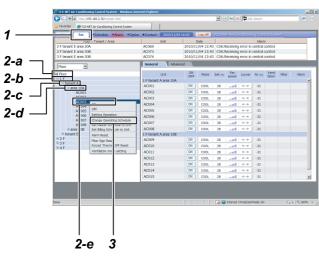
- **1.** Click List to switch to the [List] screen.
- **2.** Select the air conditioner(s) you wish to check the execution schedule for by any one of the groups below.
 - a) Air conditioners by floor in a batch
 - b) Air conditioners by tenant in a batch
 - c) Air conditioners by area in a batch
 - d) By each air conditioner



list the air conditioners by floor, tenant, or area in the [List] screen. Place the cursor on the floor name for the air conditioners (for batch by floor) or the air conditioner name (by each air conditioners) you wish to operate and right-click. The [Operation menu] appears.

- Click the Change Operating Schedule in the [Operation menu]. The [Change Operating Schedule] screen appears.
- 4. Click the date tab you wish to check or change.
- **5.** Next, click the No. field of the air conditioner(s) you wish to check or change to check or change the setup.

Checking / Changing an Execution Schedule 2



[Setup] screen

[Change Operating Schedule] screen



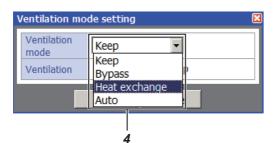
<Checking / Changing an Execution Schedule in the [Setup] screen>

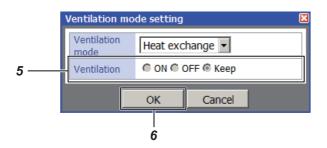
[1] Checking / changing an Execution Schedule for each Air Conditioner or Multiple Air Conditioners in a Batch

- 1. Click set to switch to the [Setup] screen.
- Select the air conditioner(s) that you wish to check or change the schedule for by any one of the groups below.
 - a) All air conditioners in a batch
 - b) Air conditioners by floor in a batch
 - c) Air conditioners by tenant in a batch
 - d) Air conditioners by area in a batch
 - e) By each air conditioner
 In the tree format, place the cursor on the floor name for the air conditioners (batch by floor) or the air conditioner name (by each air conditioner) you wish to operate and right-click. To set in a batch for all air conditioners, place the cursor on All Floors and right-click. The [Operation menu] appears.
- Click the Change Operating Schedule in the [Operation menu]. The [Change Operating Schedule] screen appears.
- **4.** Click the date you wish to check or change.
- **5.** Next, click the No. field of the air conditioner(s) you wish to check or change to check or change the setup.

Ventilation Mode Settings

<complex-block>





[1] Configuring the Ventilation Mode Settings on the [List] screen

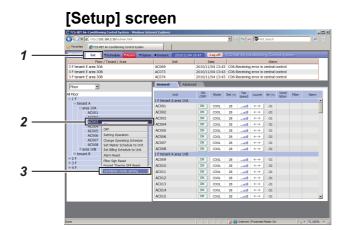
- 1. Click List button to open the [List] screen.
- **2.** Place the cursor over the air conditioner you want to configure the ventilation mode settings of and right-click it.

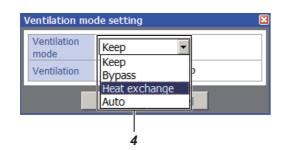
The [Operation menu] appears.

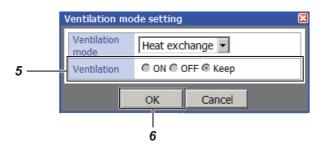
3. Click "Ventilation mode setting" on the [Operation menu].

The [Ventilation mode setting] screen appears.

- **4.** Use the [Ventilation mode] pull-down menu on the [Ventilation mode setting] screen to select a ventilation mode; "Keep", "Bypass", "Heat exchange", or "Auto".
- **5.** Click a button of [Ventilation] to select an operation; "ON", "OFF", or "Keep".
- **6.** Click button after setting has been finished. The configured ventilation mode settings are applied to the selected air conditioner.







[2] Configuring the Ventilation Mode Settings on the [Setup] screen

- 1. Click set button to open the [Setup] screen.
- **2.** Place the cursor over the air conditioner you want to configure the ventilation mode settings of and right-click it.

The [Operation menu] appears.

3. Click "Ventilation mode setting" on the [Operation menu].

The [Ventilation mode setting] screen appears.

- **4.** Use the [Ventilation mode] pull-down menu on the [Ventilation mode setting] screen to select a ventilation mode; "Keep", "Bypass", "Heat exchange", or "Auto".
- **5.** Click a button of [Ventilation] to select an operation; "ON", "OFF", or "Keep".
- **6.** Click button after setting has been finished. The configured ventilation mode settings are applied to the selected air conditioner.

Creating a Billing Master Schedule

If a billing schedule is set, the operation hours and power distribution can be calculated separately between office hours and after-hours.

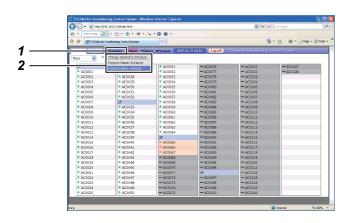
The billing schedule can be set using the same procedure as the schedule setup for scheduled operation.

Billing Schedule Setup Steps

- (1) Creating a Billing Master Schedule
- The master schedule consists of the Weekly pattern (weekly schedule) and the Special days (special day schedule). These are combined to create the Monthly schedule.

Schedule

(2) Creating a Billing Schedule Select and copy each master schedule used for each air conditioner to create the execution schedule.



1. Place the cursor on **Schedule** to display the [Operation menu].

[1] Creating a New Billing Master

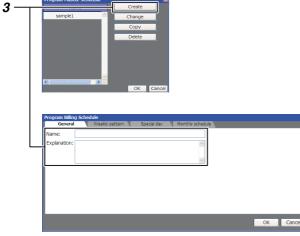
2. Click Program Billing Schedule in the [Operation menul.

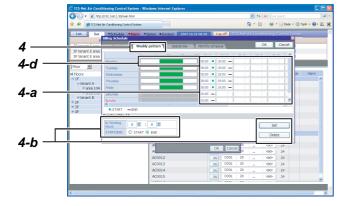
The [Program Billing Schedule] screen appears.

[Program Billing Schedule] screen

3. When creating a new billing master schedule, click Create

The [Program Billing Schedule] screen appears. Enter the master schedule name and its description.





[Weekly pattern Setup] screen

4. Weekly pattern setup

Set the billing schedule for the office hours. Click Weekly pattern tab to switch to the [Weekly pattern Setup] screen.

Note:

The billing is not charged during the time zone of the office hours setting (green zone). The billing is charged during the time zone other than it.

Set the scheduled operation start time and end time for each weekday following the steps below.

Setup Steps

- a) Click the No. field of the day you wish to set.
- b) Set the time and then click <u>Set</u>.
- c) Repeat a and b to create the weekly pattern.
- d) The setup details completed for a day(s) can be copied to another day(s).

Right-click the timeframe highlighted in green set for the days. $\begin{bmatrix} Copy \\ Paster \\$

Click Copy and right-click the timeframe of the day you wish to copy and then click Paste. The setup details are copied.

5. Special day setup

The schedule is set for special days that are exceptions to the weekly pattern schedule. Click Special day tab to switch to the [Special day Setup] screen.

The schedule operation start time and end time can be set in the same way as the weekly pattern.

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 <td

[Special day Setup] screen

5

6 Image: A first and a constraint space Image: A first and A first and

[Monthly schedule Setup] screen

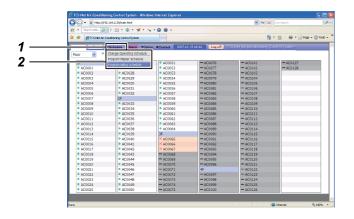
6. Monthly schedule setup

Click Monthly schedule tab to switch to the [Monthly schedule Setup] screen.

Set the special days in the calendar in the Monthly schedule Setup screen.

Setup Steps

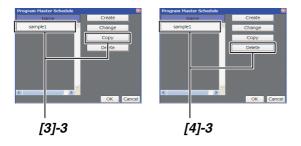
- a) Select the year and month you wish to set.
- b) Select the Special 1-4 or Non Op. and click the dates in the calendar you wish to set as special days. The setup details for the special days are entered for the days.
- c) When the setup is completed, click to save the setup details.





[Master Schedule Setup] screen





[2] Changing a Billing Master Schedule

- **1.** Place the cursor on **Schedule** to display the [Operation menu].
- **2.** Click the Program Billing Schedule in the [Operation menu].

The [Program Billing Schedule] screen appears.

3. To change the billing master schedule, click and select the master schedule you wish to change, and then click <u>change</u>.

The [Master Schedule Setup] screen appears.

4. The schedule setup can be changed in the same way as when creating a new billing master schedule (refer to page 26).

[3] Copying a Billing Master schedule

- **1.** Place the cursor on **Schedule** to display the [Operation menu].
- Click the Program Billing Schedule in the [Operation menu]. The [Program Billing Schedule] screen appears.
- To copy a billing master schedule, click and select the schedule you wish to copy and then click
 Copy
 The billing master schedule selected is copied.

[4] Deleting a Billing Master Schedule

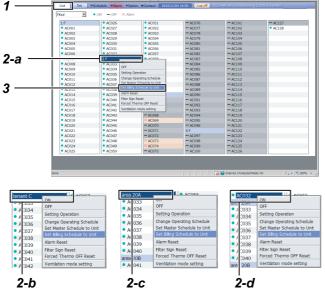
- **1.** Place the cursor on **Schedule** to display the [Operation menu].
- **2.** Click the Program Billing Schedule in the [Operation menu]. The [Program Billing Schedule] screen appears.
- **3.** To delete a billing master schedule, click and select the schedule you wish to delete and click <u>Delete</u>. The billing master schedule selected is deleted.

Creating a Billing Schedule 1

Reference:

The billing schedule can be created in either the [Setup] screen or the [List] screen.





[Set Billing Schedule to Unit] screen

	Set Billing Schedule	to Unit			8
	Unit	Schedule	Unit	Schedule	1
	ACOD33	NO SETTING	ACOD41	NO SETTING	
4 —	ACC021	NO SETTING	ACOD42	NO SETTING	
	AC0035	NO SETTING	ACOD43	NO SETTING	
	AC0D36	NO SETTING	ACOD44	NO SETTING	=
	AC0037	NO SETTING	ACOD45	NO SETTING	
	AC0D38	NO SETTING	ACOD46	NO SETTING	
	AC0D39	NO SETTING	ACOD47	NO SETTING	
	<	No estatio	1 000 10	>	~
L	All Unit			OK Cance	1

<Creating a billing schedule in the [List] screen>

[1] Creating a Billing Schedule for each Air Conditioner or Multiple Air Conditioners in a Batch

- 1. Click List to switch to the [List] screen.
- Select the air conditioner(s) that you wish to create the billing schedule for by any one of the groups below.
 - a) Air conditioners by floor in a batch
 - b) Air conditioners by tenant in a batch
 - c) Air conditioners by area in a batch
 - d) By each air conditioner



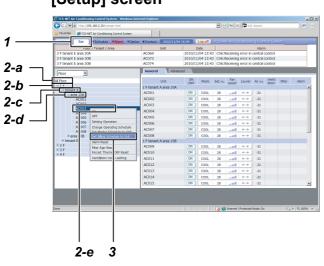
to list by floor, tenant or area in the [List] screen. Place the cursor on the floor name (in batch by floor) of the air conditioner(s) or the air conditioner name (by each air conditioner) that you wish to operate and right-click. The [Operation menu] appears.

- **3.** Click the Set Billing Schedule to Unit in the [Operation menu]. The [Set Billing Schedule to Unit] screen appears.
- Click the schedule field for the air conditioner you wish to create the billing schedule for.
 To set in batch, click All Unit.
 The [Billing Schedule] screen appears.

	Unit	Schedule	Unit	Schedule	1
	ACOD33	Billina Schedule		IO SETTING	1
_	ACOD34	Schedule Name	Check	O SETTING	1
5 ——	ACOD35	NO SETTING	Check	O SETTING	1
		sample		O SETTING	1
	ACOD37				1
	ACOD38		ОКС	IO SETTING	1
	AC0D39	NO SET TING			1
	<	10.00000			
	All Unit			OK Cance	÷.,

- **5.** Select the billing master schedule that you wish to copy.
- **6.** To check the schedule details, click Check .
- When the setup is completed, click ok.
 The billing schedule is set for the air conditioner(s) selected.

Creating a Billing Schedule 2



[Setup] screen

	Set Billing Schedule	to Unit			
	Unit	Schedule	Unit	Schedule	<u>^</u>
	AC0D33	NO SETTING	ACOD41	NO SETTING	
4 —	100031	NO SETTING	ACOD42	NO SETTING	1
	ACOD35	NO SETTING	ACOD43	NO SETTING	
	ACOD36	NO SETTING	ACOD44	NO SETTING	
	ACOD37	NO SETTING	ACOD45	NO SETTING	1
	ACOD38	NO SETTING	ACOD46	NO SETTING	1
	AC0D39	NO SETTING	ACOD47	NO SETTING	
	<		1 000 40		~
L	Al Unit			OK Cance	:

<Creating a Billing Schedule in the [Setup]</p> screen>

[1] Creating a Billing Schedule for each Air conditioner or Multiple Air conditioners in Batch

- 1. Click store to switch to the [Setup] screen.
- **2.** Select the air conditioner you wish to create the billing schedule for by any one of the groups below. a) All air conditioners in a batch
 - b) Air conditioners by floor in a batch
 - c) Air conditioners by tenant in a batch
 - d) Air conditioners by area in a batch
 - e) By each air conditioner In the tree format, place the cursor on the floor name of the air conditioners (batch by floor) or the air conditioner name (by each air conditioner) you wish to operate and right-click. To set all air conditioners in a batch, place the cursor on All Floors and right-click. The [Operation menu] appears.
- **3.** Click the Set Billing Schedule to Unit in the [Operation menu]. The [Set Billing Schedule to Unit] screen appears.
- 4. Click the Schedule field of the air conditioner that you wish to create a billing schedule for. To setup in a batch, click All Unit . The [Billing Schedule] screen appears.

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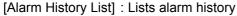
	Unit	Schedule	Unit	Schedule	1
	ACOD33	Billina Schedule	- 	IO SETTING	1
_	ACOD34	Schedule Name NO SETTING	Check		
5 ——	L AC002E	NO SETTING	Check		
		sample		IO SETTING	
	ACOD37				1
	ACOD38			IO SETTING	1
	AC0D39	NO SETTING	AUUL 1/	NO SETTING	
	<	10.00000		10 00000	1
	All Unit			OK Canc	el

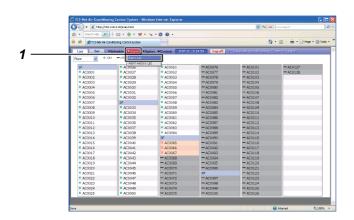
- **5.** Select the billing master schedule you wish to copy.
- 6. To check the schedule details, click Check .
- 7. When the setup is completed, press _____. The billing schedule is set for the air conditioner(s) selected.

Warning List and History

[Alarm List]

: A list of current errors Lists the unit name, the time of occurrence of the error, and the error details.





[Alarm List]

Floor / Tenant / Area	Unit	Date	Alarm	
3F tenant E area 30A	AC0065	2007.10.15 13:50	C06:Receiving error in central control	
3F tenant E area 30A	AC0066	2007.10.15 13:50	C06:Receiving error in central control	
3F tenant E area 30A	AC0067	2007.10.15 13:50	C06:Receiving error in central control	

1 <td

[1] Displaying the List of Warnings in the [Alarm List]

- **1.** Place the cursor on **VAlarm** to display the [Operation menu].
- Click the Alarm List in the [Operation menu] to display the [Alarm List].
- **2.** Click Reset to send the error clear signal to the air conditioner, and the error signal will be cleared.

[2] Displaying the List of Warnings in the [Setup] screen

1. Current error details are also listed in the [Setup] screen.

Click <u>set</u> to switch to the [Setup] screen.

2. A list of warnings is displayed on the top of the screen.

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🚖 🔅 🎢 TCS Pilet Ak-	Conditioning Control System			6	9.0.0.
List Set		otion Contact 2007.1	0.15 14:59 Log off.	CS-Net Air-conditioning	Gontrol System
Floor M	ON -: 01 15				
15	Alarm Hatory	Lot AC0051	- AC0076	-AC0101	- AC012
AC0001	 AC0027 	AC0052	- AC0077	- AC0102	- AC012
 AC0002 	 AC0028 	 AC0053 	- AC0078	- AC0103	
 AC0003 	 AC0029 	 AC0054 	- AC0079	- AC0104	
 AC0004 	 AC0030 	 AC0055 	- AC0080	- AC0105	
 AC0005 	 AC0031 	 AC0056 	- AC0081	- AC0106	
 AC0006 	 AC0032 	 AC0057 	- AC0082	- AC0107	
 AC0007 	2F	 AC0058 	- AC0083	-AC0108	
 AC0008 	 AC0033 	 AC0059 	- AC0084	- AC0109	
 AC0009 	 AC0034 	 AC0060 	- AC0085	- AC0110	
 AC0010 	 AC0035 	 AC0061 	- AC0086	- AC0111	
 AC0011 	 AC0036 	 AC0062 	- AC0087	- AC0112	
 AC0012 	 AC0037 	 AC0063 	- AC0055	- AC0113	
 AC0013 	 AC0038 	AC0064	- AC0089	- AC0114	
AC0014	 AC0039 	3F	- AC0090	- AC0115	
 AC0015 	 AC0040 	× AC0065	- AC0091	- AC0116	
 AC0016 	 AC0041 	× AC0066	- AC0092	- AC0117	
 AC0017 	 AC0042 	× AC0067	- AC0093	-AC0118	
 AC0018 	 AC0043 	- AC0068	- AC0094	-AC0119	
 AC0019 	 AC0044 	- AC0069	- AC0095	- AC0120	
 AC0020 	 AC0045 	- AC0070	- AC0096	- AC0121	
 AC0021 	 AC0046 	- AC0071	40	- AC0122	
 AC0022 	 AC0047 	- AC0072	- AC0097	- AC0123	
 AC0023 	 AC0048 	- AC0073	- AC0098	- AC0124	
 AC0024 	 AC0049 	- AC0074	- AC0099	- AC0125	
 AC0025 	 AC0050 	- AC0075	- AC0100	- AC0126	

[Alarm History List]

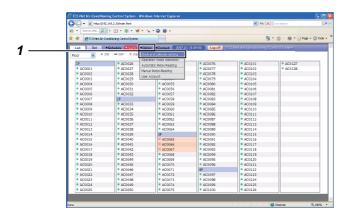
Floor / Tenant / Area	Unit	Date	Alarm	
4F tenant H area 40C	AC0116	2008.01.10 12:02	C06:Receiving error in central control	2
4F tenant H area 40C	AC0115	2008.01.10 12:02	C06:Receiving error in central control	
4F tenant H area 40C	AC0114	2008.01.10 12:02	C06:Receiving error in central control	
4F tenant H area 40C	AC0113	2008.01.10 12:02	C06:Receiving error in central control	
4F tenant G area 40B	AC0112	2008.01.10 12:02	C06:Receiving error in central control	
4F tenant G area 40B	AC0111	2008.01.10 12:02	C06:Receiving error in central control	
3F tenant E area 30A	AC0066	2008.01.10 12:02	C06:Receiving error in central control	
3F tenant E area 30A	AC0065	2008.01.10 12:02	C06:Receiving error in central control	5

[3] Display the [Alarm History List]

1. Place the cursor on **Alarm** to display the [Operation menu].

Click the Alarm History List in the [Operation menu] to display the [Alarm History List].

Time Setup / Selecting Cooling or Heating Mode



[Clock and calender setting] screen

	Clock and calender setting 🛛 🛛 🔀
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🚖 🏟 🌮 TCS-Net Al-Co	inditioning Control System			6	• 🛛 • 🖶 •
1 X X	•••	otian Contact 2:07.10	.15 20:37 Log off		
Floor 🔍 🔹	N -: OFF X :Abrit CR	ocano calender setting			
		eration mode restriction	• AC0076	4C0101	
1F	AC0026	corracic weter-weaking			 AC0123
AC0001	AC0027 Na	nual Meter-Reading	AC0077	AC0102	 AC012
AC0002	 AC0028 	er Account	 AC0078 	AC0103	
 AC0003 	AC0029 -		 AC0079 	 AC0104 	
 AC0004 	 AC0030 	 AC0055 	 AC0080 	 AC0105 	
 AC0005 	 AC0031 	 AC0056 	 AC0081 	 AC0106 	
 AC0006 	AC0032	 AC0057 	 AC0082 	 AC0107 	
 AC0007 AC0008 	2F AC0033	 AC0058 	 AC0083 AC0084 	 AC0108 	
		 AC0059 		 AC0109 	
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 AC0016 AC0017 	 AC0041 AC0042 	× AC0066	 AC0092 AC0093 	AC0115 AC0118	
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 AC0018 AC0019 	 AC0043 AC0044 	 AC0068 AC0069 	 AC0095 	 AC0119 AC0120 	
 AC0019 AC0020 	 AC0045 	 AC0069 AC0070 	 AC0095 AC0095 	AC0120 AC0121	
 AC0020 AC0021 	 AC0045 AC0045 	 AC0070 AC0071 	4F	AC0121 AC0122	
 AC0021 AC0022 	 AC0045 AC0047 	 AC0071 AC0072 	 AC0097 	AC0122 AC0123	
 AC0022 AC0023 	 AC0047 AC0048 	AC0072	 AC0098 	AC0123 AC0124	
 AC0023 AC0024 	 AC0049 	AC0073	 AC0098 AC0099 	 AC0124 AC0125 	
 AC0024 AC0025 	 AC0049 AC0050 	AC0074	 AC0100 	AC0125	
 AC0025 	- AL0050	- AC0075	- AC0100	- AL0126	

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TCS-Net Air-Co	inditioning Control System			🚯 • 🖾 · 🖶	• 🕞 Bage • 🎲 Tgols • 😢•
Set	Schedule VAlarm VOpt	ion Contact 2007.10	.19 08:50 Log off. 10	CS-Net Air-conditioning	Control System
• :0N	-:OFF X:Alarm				
	 AC0026 	AC0051	 AC0076 	AC0101	 AC0127
AC0001	 AC0027 	 AC0052 	 AC0077 	 AC0102 	 AC0128
AC0002	 AC0028 	AC0053	 AC0078 	 AC0103 	
AC0003	 AC0029 	AC0054	 AC0079 	 AC0104 	
AC0004	 AC0030 	 AC0055 	 AC0080 	 AC0105 	
AC0005	AC0031	 AC0056 	 AC0081 	 AC0105 	
AC0006	 AC0032 	 AC0057 	 AC0082 	 AC0107 	
AC0007	2F	 AC0058 	 AC0083 	AC0108	
AC0008	 AC0033 	• A Operation mo	AC0004	 AC0109 	
AC0009	 AC0034 	 A 		AC0110	
AC0010	 AC0035 		AT,FAN	 AC0111 	
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AC0013	 AC0038 	• A 08	Cancel	 AC0114 	
AC0014	 AC0039 	3F OK	Canter	AC0115	
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AC0016	AC0041	× AC0066	 AC0092 	AC0117	
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AC0019	 AC0044 	 AC0069 	 AC0095 	 AC0120 	
AC0020	 AC0045 	 AC0070 	 AC0096 	 AC0121 	
AC0021	 AC0046 	 AC0071 	4F	 AC0122 	
AC0022	 AC0047 	 AC0072 	 AC0097 	 AC0123 	
AC0023	 AC0048 	AC0073	AC0098	 AC0124 	
AC0024	 AC0049 	 AC0074 	 AC0099 	 AC0125 	
AC0025	 AC0050 	AC0075	 AC0100 	 AC0126 	

[1] Time Setup

1. Place the cursor on **v**_{Option} to display the [Operation menu].

Click the Clock and calender setting in the [Operation menu] to display the [Clock and calender setting] screen.

2. Use to set the time, date, month, and year. When the setup is completed, press .

[2] Selecting Cooling or Heating Mode

Used when restricting the system operation mode to the cooling system (cooling, dry, fan) or the heating system (heating, fan). Used to prohibit cooling or heating for multiple air conditioners.

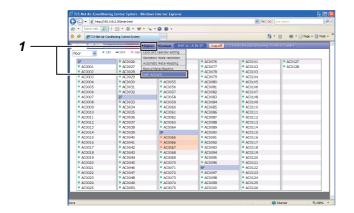
1. Place the cursor on **v**Option to display the [Operation menu].

Click the Operation mode restriction in the [Operation menu] to display the [Operation mode restriction] screen.

2. Select HEAT/FAN, ALL permitted, or COOL/DRY/ FAN and then press .

User Account Setup

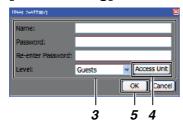
System operation access can be assigned for each user. User names and passwords can also be set. * There are three levels of access. - Administrators - All operations are permitted. – Power Users -Some setup operations are permitted. Access to operating functions listed in the tables below can be set by administrators. – Guests -Operations are restricted to the basic functions shown in the tables below by administrators. In addition, the air conditioners to be operated can be restricted. Power Users -Guests -Clock and calender setting Operating Schedule Operation mode restriction ON/OFF/Set 🗆 All Unit Automatic Meter-Reading Manual Meter-Reading Master Schedule 🗹 Billing Schedule Scheduler Operation



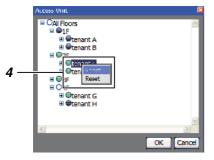


[User Setting] screen





[Access Unit] screen



<User Account Setup>

[1] Creating a New User Account

Place the cursor on **v**Option to display the [Operation menu].

Click the User Account in the [Operation menu] to display the [User Account] screen.

- **2.** Click <u>Create</u> in the [User Account] screen. The [User Setting] screen is displayed.
- 3. Set the user name, password, level, and access unit.
- 4. Access Unit Setup: Click Access Unit in the [User Setting] screen. The

[Access Unit] screen is displayed. Click and select the floor(s), tenant, area, or air conditioner to grant access to, and then right-click.

is displayed; click **Regist**. The color is changed to (green), indicating that access is granted.

To reset the access, click **Reset**. The color is changed to **(**gray), indicating that access is restricted.

5. When the setup is completed, click or

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	1		Option Contact 2007.10	15 20:37 Log off		
	Floor 🛛 • 3	ON -OFF X Alar	box and calender setting			
			peration mode restriction			
	1F	 AC0026 	utomatic Meter-Reading	AC0076	AC0101	 AC0127
_ I	AC0001	AC0027	Ianual Meter-Reading	AC0077	AC0102	AC0128
_ L	AC0002	ACD028	se' Account	AC0078	AC0103	
	AC0003	AC0029		AC0079	AC0104	
	AC0004	AC0030	 AC0055 	AC0080	AC0105	
	 AC0005 	AC0031	AC0056	AC0081	AC0106	
	 AC0006 	AC0032	AC0057	AC0082	AC0107	
	 AC0007 	2F	AC0058	AC0083	AC0108	
	AC0008	AC0033	AC0059	AC0084	AC0109	
	 AC0009 	AC0034	AC0060	AC0085	AC0110	
	 AC0010 	AC0035	AC0061	AC0086	AC0111	
	 AC0011 	AC0036	AC0052	AC0087	AC0112	
	 AC0012 	AC0037	AC0063	AC0088	AC0113	
	 AC0013 	AC0038	AC0064	AC0089	AC0114	
	AC0014	AC0039	3F	AC0090	AC0115	
	 AC0015 	AC0040	× AC0065	AC0091	AC0116	
	AC0016	AC0041	× AC0066	AC0092	AC0117	
	AC0017	AC0042	× AC0067	AC0093	AC0118	
	AC0018	AC0043	AC0068	AC0094	AC0119	
	 AC0019 	AC0044	AC0069	 AC0095 	AC0120	
	AC0020	ACD045	AC0070	AC0096	AC0121	
	AC0021	AC0046	AC0071	41	 AC0122 	
	AC0022	AC0047	AC0072	AC0097	AC0123	
	AC0023	AC0048	AC0073	AC0098	AC0124	
	AC0024	AC0049	AC0074	AC0099	AC0125	
	 AC0025 	AC0050	AC0075	AC0100	AC0126	

[User Account] screen



[User Account] screen





Name:	USER1	
Password:		
Re-enter Passwo	rd:	
Level:	Guest	✓ Access Unit
		OK Cancel
[3]-3		

[2] Deleting a User Account

Place the cursor on **v**Option to display the [Operation menu].

Click the User Account in the [Operation menu] to display the [User Account] screen.

2. Click and select the account that you wish to delete in the [User Account] screen. Click Delete .

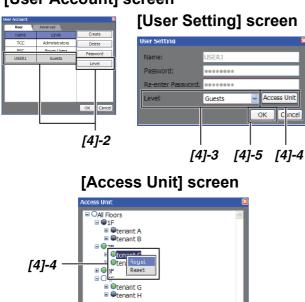
The account is now deleted.

[3] Changing the Password for a User Account

Place the cursor on ▼Option to display the [Operation menu].
 Click the Uper Account in the [Operation menu] to

Click the User Account in the [Operation menu] to display the [User Account] screen.

- Click and select the account for which you wish to change the password in the [User Account] screen. Click Password.
 The [User Setting] screen is displayed.
- 3. Enter a new password and press or .



OK Can

[User Account] screen

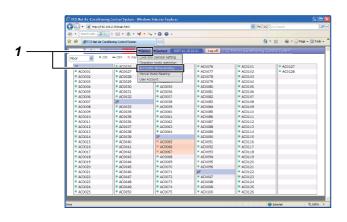
[4] Changing a User Account Level

Place the cursor on **v**Option to display the [Operation menu].

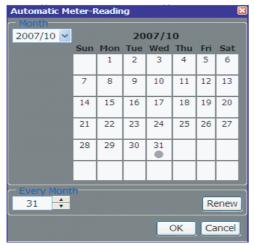
Click the User Account in the [Operation menu] to display the [User Account] screen.

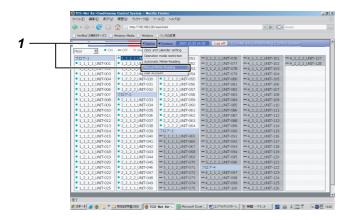
- Click and select the account for which you wish to change the level in the [User Account] screen.
 Click Level .
 The [User Setting] screen appears.
- **3.** Change the level.
- **4.** To change an access unit, click Access Unit to display the [Access Unit] screen and set the units. The access unit can be changed using the same steps as when creating a new user account (refer to page 37).
- **5.** When the setup is completed, click .

Power Meter Reading Date Setup / Change

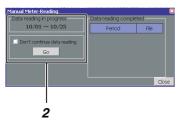


[Automatic Meter-Reading] screen





[Manual Meter-Reading] screen



[1] Setting / Changing an Automatic Reading Date

1. Place the cursor on **•**Option to display the [Operation menu].

Click Automatic Meter-Reading in the [Operation menu] to display the [Automatic Meter-Reading] screen.

Select the month you wish to change.
 Click the date to set. The

 mark appears under the date, indicating that the reading date is set.

To change the reading date, click the date selected and then the • mark is removed, indicating that the setting is cancelled.

[2] Setting / Changing a Manual Reading Date

Used when calculating data or temporarily calculating data before an automatic reading date.

1. Place the cursor on **•**Option to display the [Operation menu].

Click the Manual Meter-Reading in the [Operation menu] to display the [Manual Meter-Reading] screen.

2. For temporary totaling:

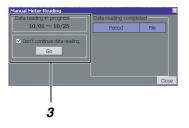
For temporary totaling, after the reading date, the operation time and power distribution aggregation values are continually counted.

The period for totaling is displayed. Data from the previous reading date until the current date are totaled.

Uncheck the Don't continue data reading. and then click

Data are totaled and a file is generated.

[Manual Meter-Reading] screen



3. For manual totaling:

After the manual totaling, the operation time and power distribution aggregated values are reset to start counting new aggregation values.

The period for totaling is displayed. Data are totaled for the period from the previous reading date to the current date.

Check the	Don't continue data reading.	and
then click	Go ·	

The data are totaled and a file is generated.

Reference:

The totaled data can be caluculated using the monthly reporting software included. Please refer to the monthly reporting software manual for how to get data or how to calculate.

Other Settings

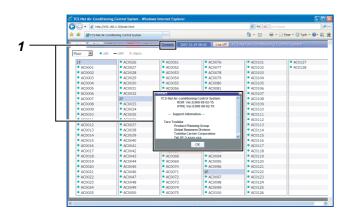


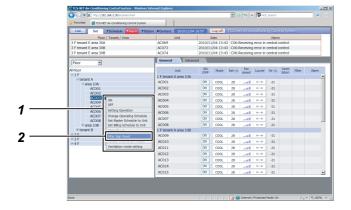
Image: State 2 and advances (state) Image: State 2 and advances (state)<

[1] Support Information Display

1. Click **Contact** to display the [Contact] screen. The software version and support information is displayed on the screen.



- Place the cursor on the floor, tenant, area, or air conditioner in the tree format and right-click. The [Operation menu] appears.
- Click Alarm Reset in the [Operation menu]. The error clear signal is sent to the air conditioner(s) selected and the error signal will be cleared.



[3] Filter Sign Reset

- Place the cursor on the floor, tenant, area, or air conditioner in the tree format and right-click. The [Operation menu] appears.
- **2.** Click Filter Sign Reset in the [Operation menu]. The filter sign clear signal is sent to the air conditioner(s) selected and the filter sign will be cleared.

Important Information

How to Obtain Monthly Data and Distribution Data

Monthly data or power distribution data are calculated using "Monthly Report Creation Software" included. Please refer to "Monthly Report Creation Software" manual for instructions on obtaining data and operating the software.

Troubleshooting

The scheduler does not operate even if the schedule is set.	Is the schedule set only for the master schedule? The execution schedule must be set as well.
Communication error.	Is the Smart Manager turned on? Is the air conditioner turned on?
The remote control does not work.	Does the remote control have any operational restrictions in its settings?
Cooling operation (or heating operation) is not working.	Is a heating (or cooling) operation turned on within the same cooling system? Normally the heating operation has precedence.
	Does the remote control have any operational mode change restrictions in its settings?
	Is the heating (or cooling) operation selected in the operational mode range selection?
Some air conditioners are not displayed.	Is the air conditioning access restricted in the user account setup?
Some [Setup] screens are not displayed.	Is the setup operation restricted in the user account setup?

Please contact your local dealer

- To change a floor name, tenant name, area name, or air conditioning system name.
- To install more air conditioners.
- To output the result of power distribution.
- To change the deadline of distribution calculation.

TOSHIBA CARRIER CORPORATION

336 TADEHARA, FUJI-SHI, SHIZUOKA-KEN 416-8521 JAPAN

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