

TOSHIBA**OWNER'S MANUAL
MODE D'EMPLOI
BENUTZERHANDBUCH**

Air Conditioning Control System

Systeme de contrôle de la climatisation

Klima-Steuerungssystem

MODEL/MODELE/MODELL

BMS-TP5121PWE***BMS-TP5121ACE******BMS-TP0641PWE******BMS-TP0641ACE***

- Thank you very much for purchasing TOSHIBA Air Conditioning Control System.
- Please read this manual carefully beforehand for thorough understanding to use this product correctly and safely.
- Please keep this manual at hand for quick reference.
- Be sure to have the product's warranty.

- Nous vous remercions d'avoir porté votre choix sur un système de contrôle de la climatisation TOSHIBA.
- Commencez par lire attentivement ce manuel pour bien comprendre le système afin de pouvoir l'utiliser correctement et en toute sécurité.
- Conservez ce manuel à portée de main pour pouvoir le consulter rapidement.
- Veillez à disposer de la garantie produit.

- Vielen Dank, dass Sie sich für das TOSHIBA Klima-Steuerungssystem entschieden haben.
- Bitte lesen Sie dieses Handbuch vor dem Betrieb sorgfältig durch, um zu gewährleisten, dass Sie die korrekte Handhabung und die Sicherheitshinweise verstehen.
- Bitte bewahren Sie dieses Handbuch griffbereit auf, damit Sie jederzeit darin nachschlagen können.
- Stellen Sie sicher, dass die Produktgarantie beiliegt.

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MEMO

TOSHIBA

Air Conditioning Control System Owner's Manual

MODEL

BMS-TP5121PWE

BMS-TP5121ACE

BMS-TP0641PWE

BMS-TP0641ACE



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PRECAUTIONS FOR SAFETY

The following instructions 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



WARNING

Text set off in this manner indicates that failure to adhere to the directions in the warning could result in serious bodily harm (*1) or loss of life if the product is handled improperly.



CAUTION

Text set off in this manner indicates that failure to adhere to the directions in the caution could result in serious bodily injury (*2) or damage (*3) to property if the product is handled improperly.

- *1: Serious bodily harm indicates loss of eyesight, injury, burns, electric shock, bone fracture, poisoning, and other injuries which leave aftereffect and require hospitalization or long-term treatment as an outpatient.
 *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



Prohibited

“⊘” indicates prohibited items.

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



Compulsory

“●” 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.



Caution

“△” indicates caution items.

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



WARNING



Ask professional

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.



Disassembly prohibited

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.



Compulsory

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.



CAUTION



Compulsory

Before cleaning the unit, be sure to stop operation and turn OFF the power.

Failure to do so may cause electric shock or injury.



Prohibited

Do not wash the unit.

This may cause electric shock.



Prohibited

Do not touch any button with wet fingers.

This may cause electric shock.



Prohibited

Do not put a flower vessel or a container with water on the unit.

Entering of water inside may deteriorate electrical insulation, which may cause electric shock.

Monitoring and Control of Air Conditioners

- Air-Conditioning Control System monitors and controls all air conditioners collectively. Air conditioners are categorized by “Block,” “Tenant,” “Area,” and “Unit”. Display and setting for each unit are available for blocks of “Whole Building,” “Tenant,” and “Area”. Operation hours of air conditioners are stored in a CompactFlash card. Energy Monitoring is optionally available by connecting wattmeters. Furthermore, this system provides interlocking control with a fire alarm and a locking signal, and alarm output through contacts to the external.

Checking and Setting of Operating/Master/Billing Schedules

- The scheduler controls operation of all air conditioners. Up to 20 times of ON/OFF per day can be set, and setting OFF only can prevent air conditioners from going on running unintentionally. Master schedule allows settings of weekly patterns, four special-day patterns, non-operation days, as well as monthly schedule for 12 months. In addition, billing schedule allows calculating operation hours and Energy Monitoring for in and out of working hours respectively.

Alarm List Indication

- Displays current alarms promptly with the [Alarm List] button.

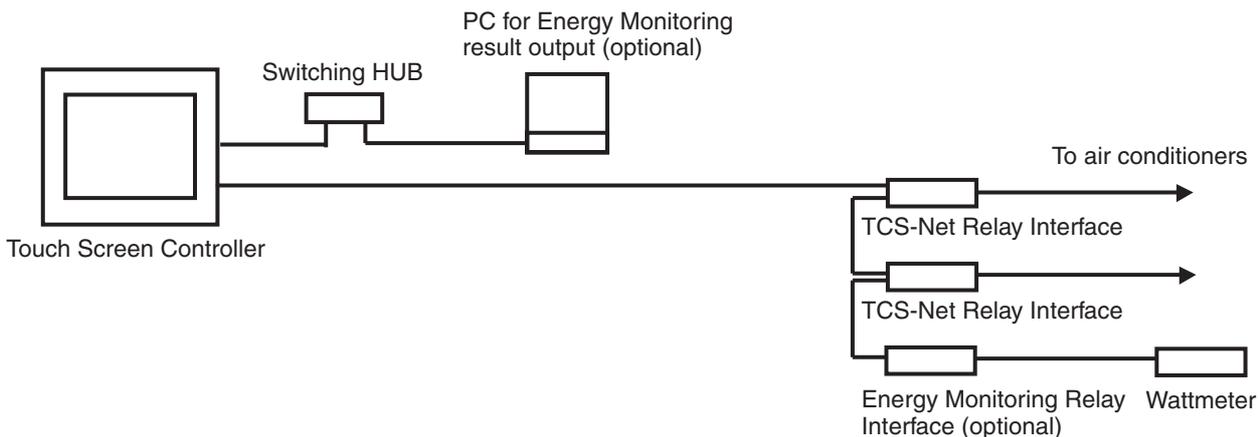
Optional Functions

- Eleven optional functions are available such as displaying alarm history, setting scheduler enable/disable, and display cleaning (disabling touch screen buttons).

Number of Connectable Air Conditioners and Functions

Model	Number of connectable units	Energy Monitoring function	Interlocking with fire alarm/locking signal/external alarm output
BMS-TP5121PWE	512	Provided	Provided
BMS-TP5121ACE	512	Not provided	Provided
BMS-TP0641PWE	64	Provided	Provided
BMS-TP0641ACE	64	Not provided	Provided

System Configuration



MAIN SCREENS AND FUNCTIONS

(1) Initial Screen (Function Select Button: MAIN)

Operation buttons

- ON** Turns on air conditioners.
- OFF** Turns off air conditioners.
- SET** Sets air conditioners.
- CHECK** Checks air conditioners for abnormalities.

Operation/message area
Displays operations and messages of the system.

Mode setting area
Displays selected range and settings of air conditioners.

Login/Logout select button

- Login** : Can set and check all functions.
- Logout** : Limits the setting and checking of a function partially.

Air-conditioning control group select buttons
The operation state can be checked based on the color of each button.

- Green** : Operation
- Red** : Stop
- Orange (Peripheral)** : Abnormal
- Light blue (Peripheral)** : Filter sign

Block select buttons

- Set All Units** Performs total setting of all air conditioners.
- Whole Bldg** Displays all blocks in the building.
- All Tenants** Displays all tenants.
- All Areas** Displays all areas.

Function select buttons

- Alarm List** Indicates current alarms of air conditioners. The peripheral part of this button becomes orange during occurrence of abnormalities.
- MAIN** Displays the Monitoring screen of air conditioners.
- SCHEDULE** Sets and checks schedules.
- OPTION** Performs settings of options.

Segment select buttons

- TENANT** Displays information by tenant.
- AREA** Displays information by area.
- UNIT** Displays information by air conditioner.

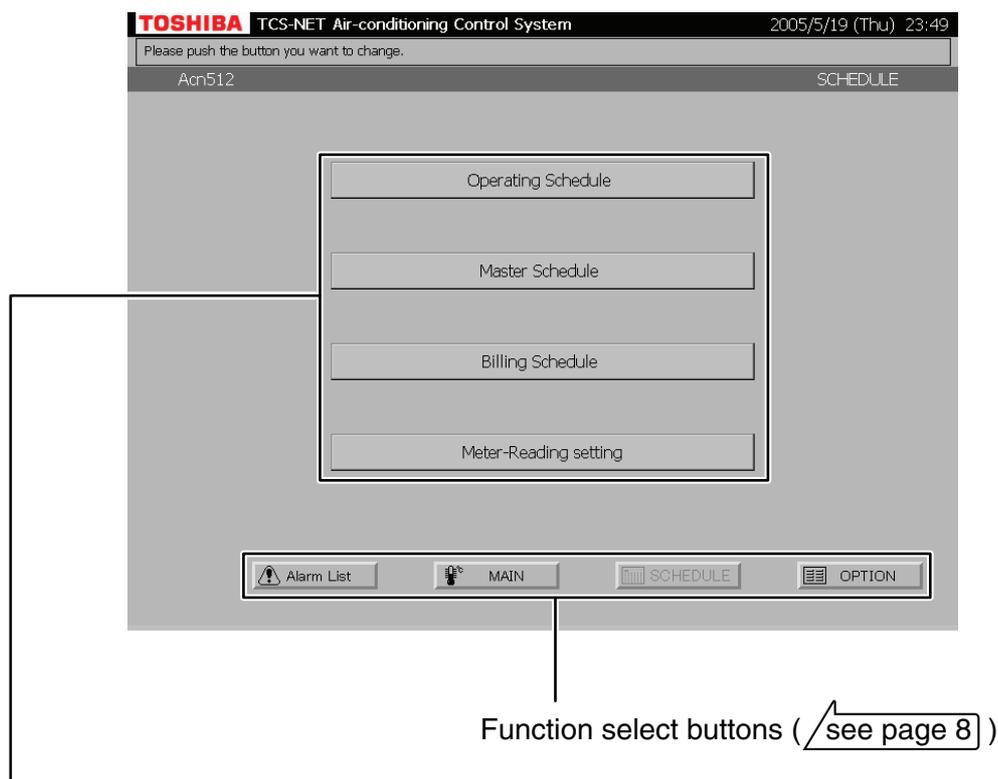
Note

Screensaver

The LCD backlight turns off automatically if there is no touch on the screen for about 10 minutes. When you touch the screen while the screensaver is active, touch a corner of the screen because the control buttons on the screen are active all the time.

Before cleaning the display screen, push [Display cleaning] (see page 60). The control buttons become disabled for 30 seconds.

(2) Schedule Screen (Function Select Button: SCHEDULE)



Schedule buttons

Operating Schedule	Sets and checks a weekly schedule beginning with the date. Scheduler operation is performed according to the operating schedule. A weekly schedule is copied from the master schedule at 0:00 midnight everyday. If the master schedule is updated, the updated content will be reflected in the operating schedule one week later. Therefore, always check the operating schedule.
Master Schedule	Sets and checks the master schedule. The master schedule comprises a weekly pattern, four types of special days, and non-operation days.
Billing Schedule	Sets and checks a billing schedule to charge for out of working hours.
Meter-Reading setting	Sets and checks the automatic meter-reading date and checks the meter-reading data.

MAIN SCREENS AND FUNCTIONS (continued)

(3) Master Schedule Weekly Pattern Setting Screen

(3) -1. Weekly Pattern Setting Screen

[Master Schedule]

Copy to other section

Copies a schedule to other sections.

Copy to other date

Copies a schedule to other dates.

Copy to Operating Schedule

Copies a master schedule to the Operating Schedule.

Weekly pattern

Sets and checks a weekly pattern.

Special day

Sets and checks special day patterns.

ALL UNITS

Selects an air conditioner whose schedule you want to check.

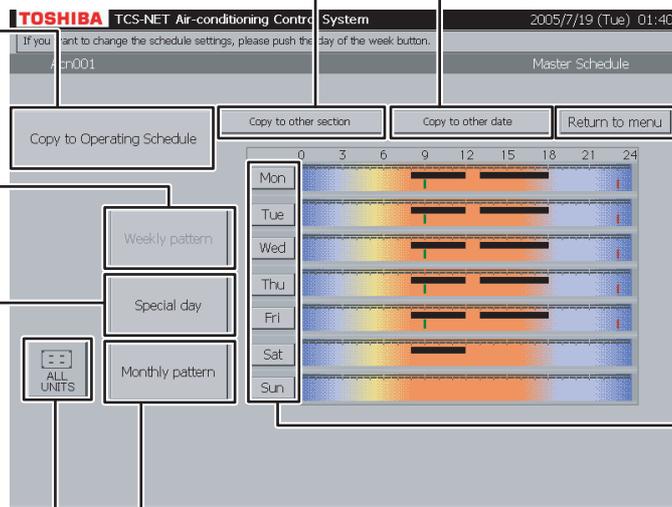
Monthly pattern

Sets and checks a monthly schedule.

Return to menu
Returns to the Schedule screen.

Mon / Tue / Wed / Thu / Fri / Sat / Sun

Sets and checks detailed schedule of a selected day of the week.



(3) -2. Master Schedule Detail Setting Screen

▲ / ▼

Sets time.

Delete

Deletes a schedule.

Undo

Undoes a schedule that is being updated.

1 to 20

Changes or deletes a schedule.

Previous ▲ / Next ▼

Switches display of schedule list.

Cancel

Cancels addition or change of a schedule.

OFF

Turns off air conditioners at the specified time.

ON

Turns on air conditioners at the specified time.

Addition

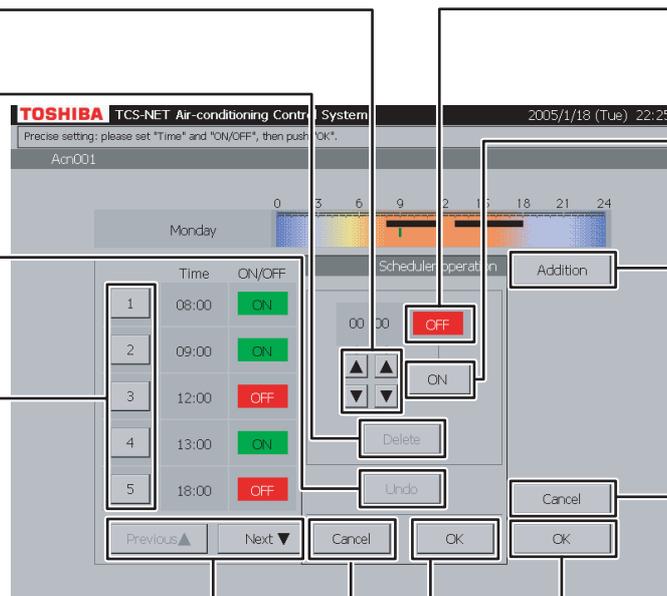
Adds a schedule.

Cancel

Returns to the Weekly Pattern Check screen (Fig. 20-2) without setting a daily schedule.

OK

Executes addition or change of a schedule.



HOW TO OPERATE

(1) Quick Reference for Function Selection

Function button	Main items	Operation items	Page	
 MAIN	Monitoring Air Conditioners	1 Monitoring screen by block	12	
		2 Monitoring screen by tenant	12	
		3 Monitoring screen by area	13	
		4 Monitoring screen by unit	14	
	Turning ON/OFF Air Conditioners	5 ON/OFF by block	17	
		6 ON/OFF by tenant	17	
		7 ON/OFF by area	18	
		8 ON/OFF by unit	20	
	Setting Air Conditioners	9 Setting by block	22	
		10 Setting by tenant	22	
		11 Setting by area	23	
		12 Setting by air conditioner	24	
		13 Setting all air conditioners	26	
		14 Settings for air conditioner operation	27	
		15 Indicating alarm/filter sign	28	
 SCHEDULE	Checking/Setting Operating Schedule	16 Checking operating schedule	29	
		17 Setting/changing/deleting operating schedule	30	
		18 Copy to other section	32	
		19 Copy to other date	34	
	Checking/Setting Master Schedule	20 Checking weekly pattern	35	
		21 Checking special-day pattern	36	
		22 Checking monthly pattern	37	
		23 Setting weekly pattern	38	
		24 Setting special-day pattern	40	
		25 Setting monthly pattern	42	
		26 Copy to other section	43	
		27 Copy to other day of the week	45	
		28 Copy to Operation Schedule	46	
	Checking/Setting Billing Schedule	29 Checking weekly pattern	47	
		30 Checking special-day pattern	48	
		31 Checking monthly pattern	49	
		32 Setting weekly pattern	50	
		33 Setting special-day pattern	52	
		34 Setting monthly pattern	54	
		35 Copy to other section	55	
		36 Copy to other day of the week	57	
	 Alarm List	Checking Alarms of Air Conditioners	37 Checking alarms in the list	58
	 OPTION	Other Settings	38 Alarm history list	58
			39 Setting scheduler operation	59
			40 Cleaning display screen	60
			41 System reset	61
			42 Resetting all alarms	62
			43 Synchronizing system clock	63
44 Selecting cooling or heating mode			64	
45 Fire alarm indication			64	
46 Prohibiting persons other than administrator from using			65	
47 Changing automatic meter-reading date			67	
48 Totaling operation time and proportional power sharing before automatic meter-reading date			67	
49 Checking operation time			69	
50 Changing display language			71	
51 Checking version			72	
52 Backing up setting information			72	

HOW TO OPERATE

(2) How to Operate

Monitoring Air Conditioners

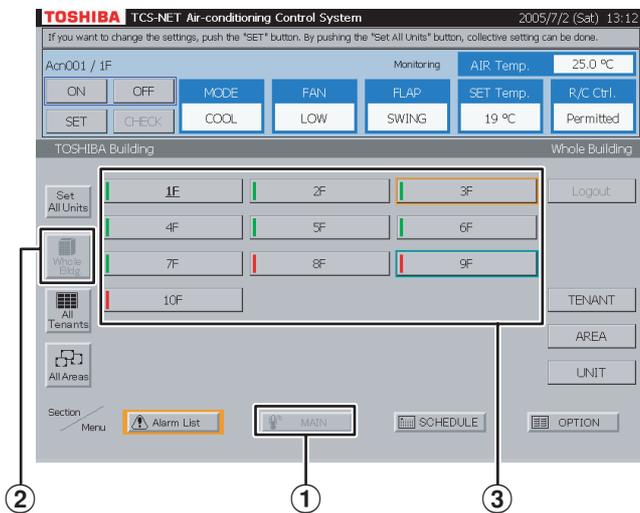
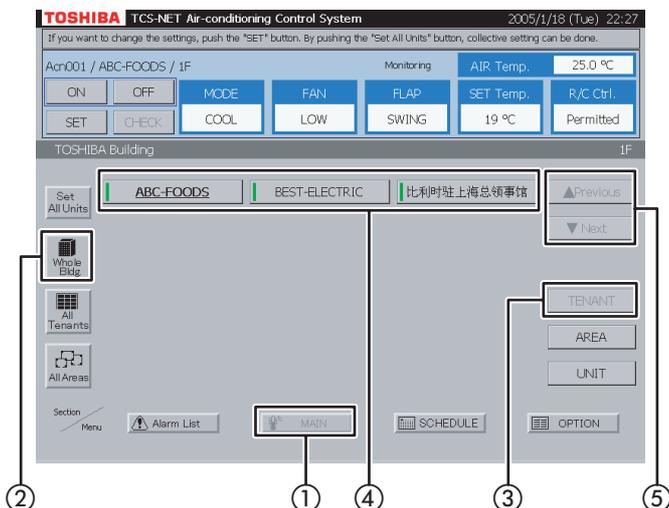


Fig. 2-1 List of All Tenants



Fig. 2-2 Tenants by Block



1 Monitoring screen by block

- ① Select [MAIN].
- ② Select [Whole Bldg].
- ③ Choose a block whose air-conditioning state you want to check.

2 Monitoring screen by tenant

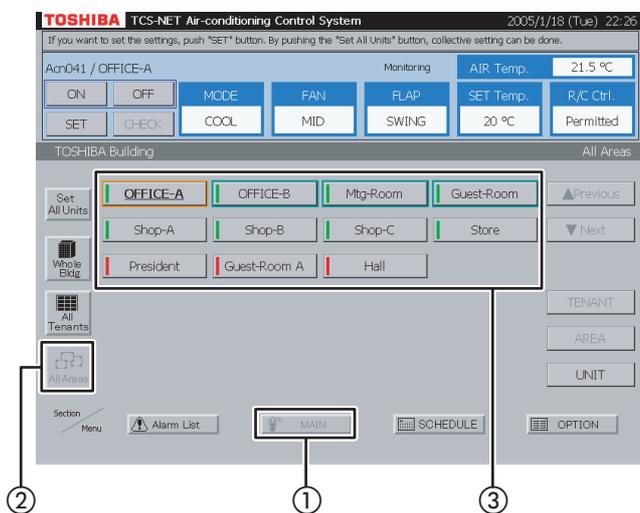
<Choose a tenant from all tenants>

- ① Select [MAIN].
- ② Select [All Tenants].
- ③ Choose a tenant whose air-conditioning state you want to check.
- ④ When two or more pages are provided, use the [▼ Previous] and [▲ Next] buttons.

<Choose a tenant from block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which tenants belong.
- ③ Select [TENANT].
- ④ Choose a tenant whose air-conditioning state you want to check.
- ⑤ When two or more pages are provided, use the [▲ Previous] and [▼ Next] buttons.

Fig. 3-1 List of All Areas

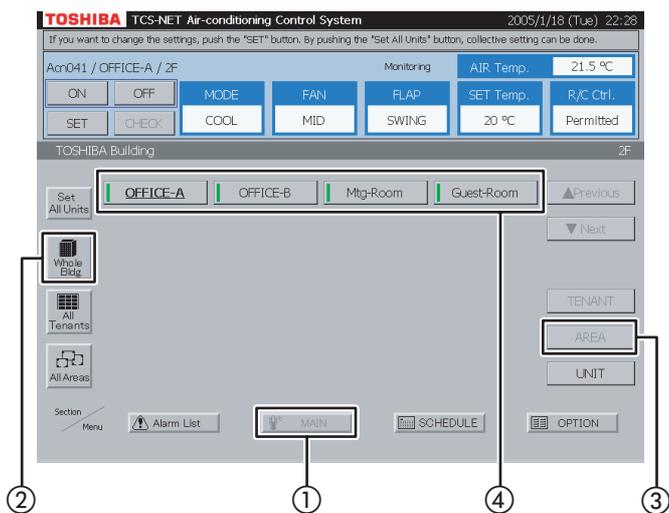


3 Monitoring screen by area

<Choose an area from all areas>

- ① Select [MAIN].
- ② Select [All Areas].
- ③ Choose an area whose air-conditioning state you want to check.

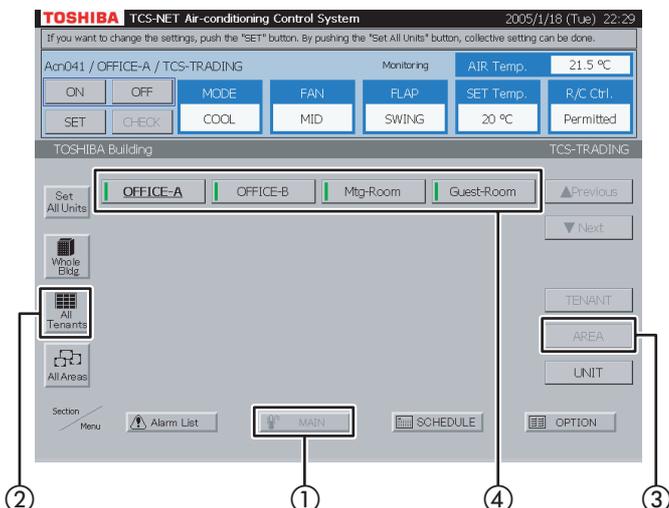
Fig. 3-2 Areas by Block



<Choose an area from block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which areas belong.
- ③ Select [AREA].
- ④ Choose an area whose air-conditioning state you want to check.

Fig. 3-3 Areas by Tenant



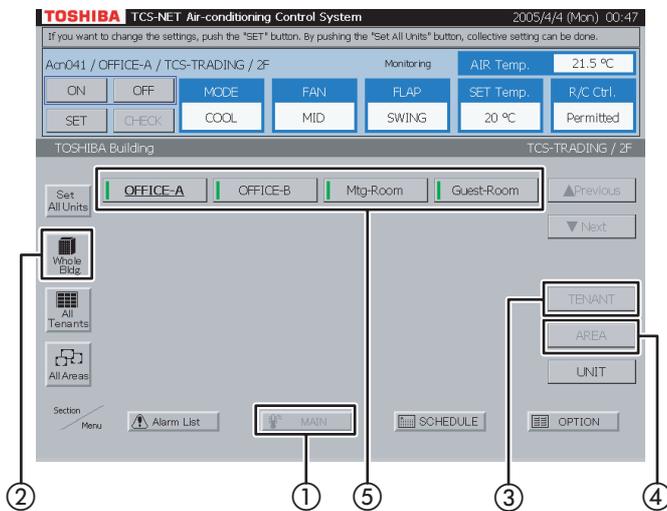
<Choose an area from tenant>

- ① Select [MAIN].
- ② Select [All Tenants].
Choose a tenant to which areas belong.
- ③ Select [AREA].
- ④ Choose an area whose air-conditioning state you want to check.

HOW TO OPERATE (continued)

Monitoring Air Conditioners (continued)

Fig. 3-4 Areas by Block/Tenant



<Choose an area from tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which tenants belong.
- ③ Select [TENANT].
Choose a tenant.
- ④ Select [AREA].
- ⑤ Choose an area whose air-conditioning state you want to check.

Fig. 4-1 Units by Block

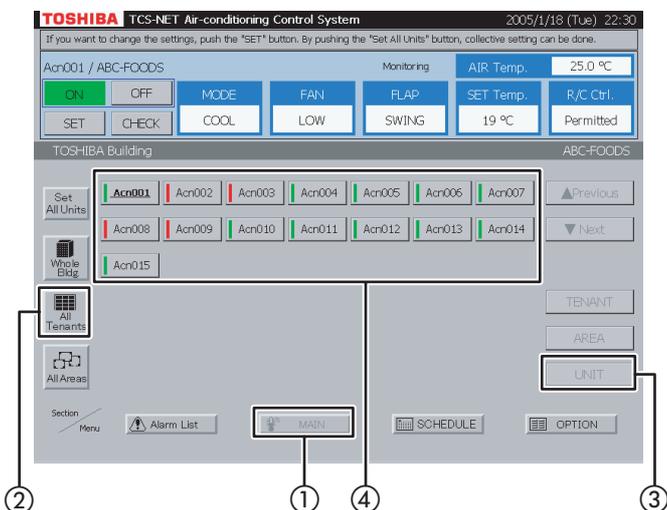


4 Monitoring screen by unit

<Choose an air conditioner from block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block.
- ③ Select [UNIT].
- ④ Choose an air conditioner whose state you want to check.

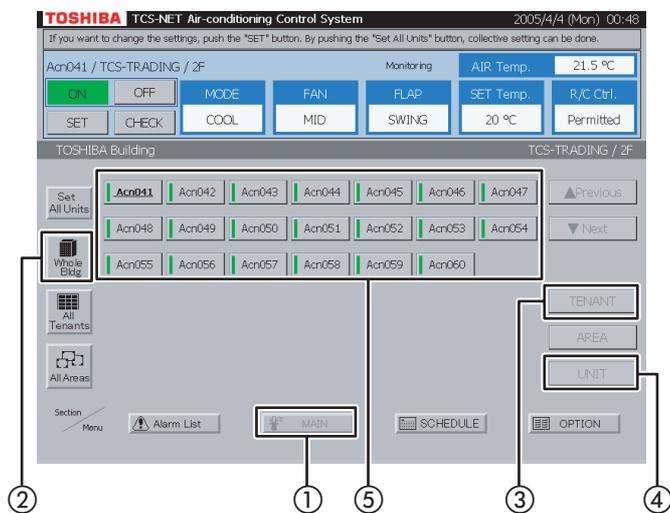
Fig. 4-2 Units by All Tenants



<Choose an air conditioner from tenant by block>

- ① Select [MAIN].
- ② Select [All Tenants].
Choose a tenant.
- ③ Select [UNIT].
- ④ Choose an air conditioner whose state you want to check.

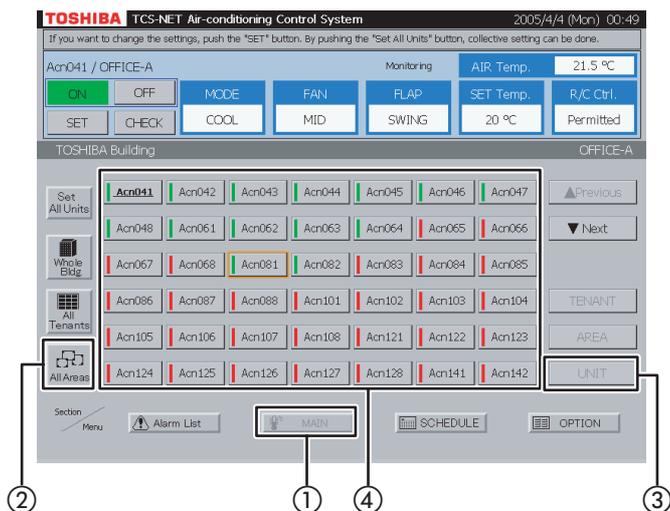
Fig. 4-3 Units by Block/Tenant



<Choose an air conditioner from tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which tenants belong.
- ③ Select [TENANT].
Choose a tenant.
- ④ Select [UNIT].
- ⑤ Choose an air conditioner whose state you want to check.

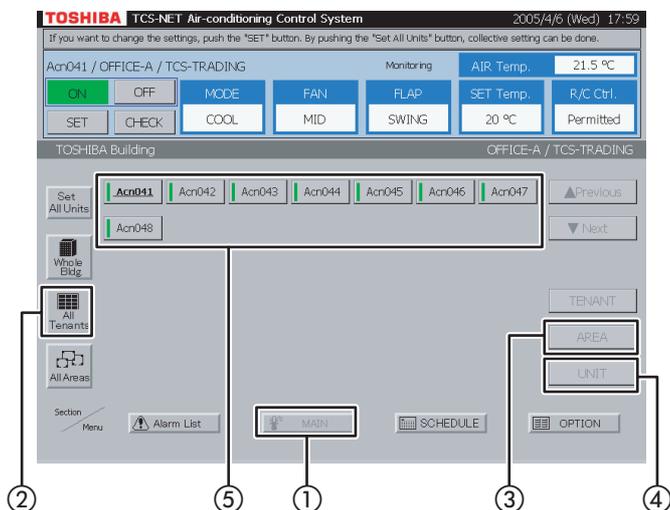
Fig. 4-4 Units by All Areas



<Choose an air conditioner from area>

- ① Select [MAIN].
- ② Select [All Areas].
Choose an area.
- ③ Select [UNIT].
- ④ Choose an air conditioner whose state you want to check.

Fig. 4-5 Units by All Tenants/Area



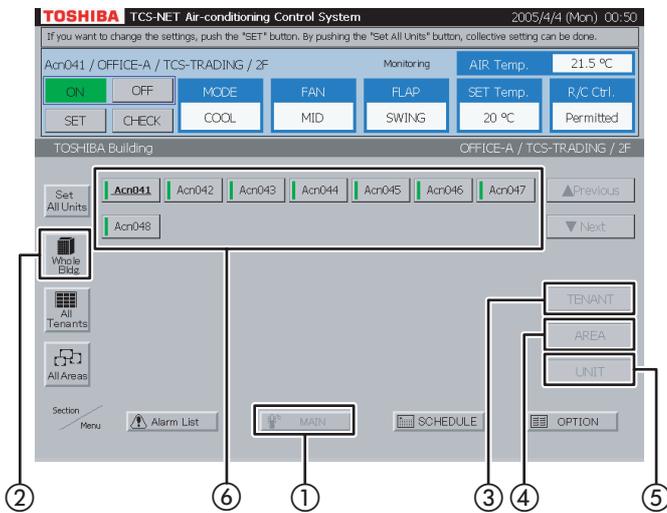
<Choose an air conditioner from area by tenant>

- ① Select [MAIN].
- ② Select [All Tenants].
Choose a tenant to which areas belong.
- ③ Select [AREA].
Choose an area.
- ④ Select [UNIT].
- ⑤ Choose an air conditioner whose state you want to check.

HOW TO OPERATE (continued)

Monitoring Air Conditioners (continued)

Fig. 4-6 Units by Block/Tenant/Area



<Choose an air conditioner from block/tenant/area>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which tenants belong.
- ③ Select [TENANT].
Choose a tenant to which areas belong.
- ④ Select [AREA].
Choose an area.
- ⑤ Select [UNIT].
- ⑥ Choose an air conditioner whose state you want to check.

Turning ON/OFF Air Conditioners

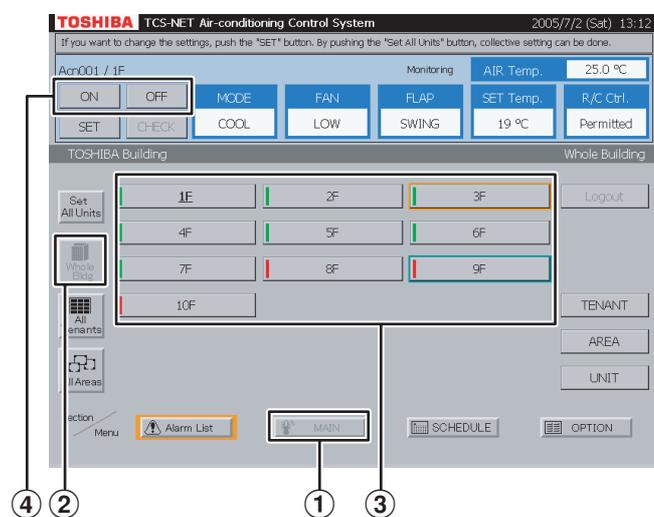
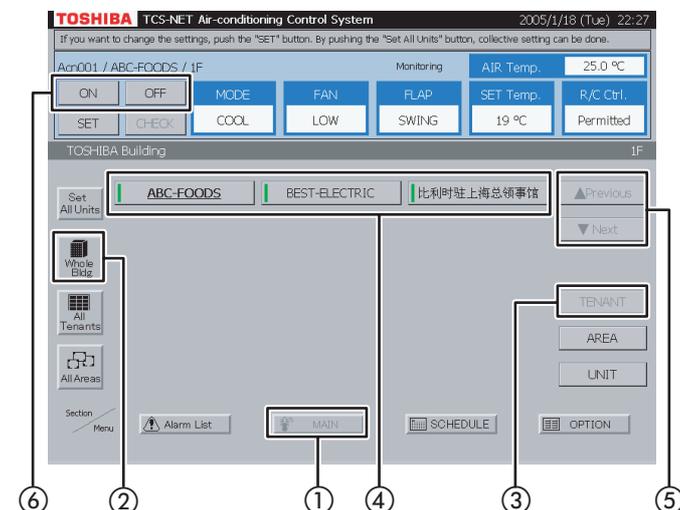


Fig. 6-1 Choose from All Tenants



Fig. 6-2 Choose Tenant by Block



5 ON/OFF by block

- ① Select [MAIN].
- ② Select [Whole Bldg].
- ③ Choose a block for which you want to turn on/off air conditioners.
- ④ Push [ON] to turn on, and [OFF] to turn off.

6 ON/OFF by tenant

<Choose a tenant from all tenants>

- ① Select [MAIN].
- ② Select [All Tenants].
- ③ Choose a tenant for which you want to turn on/off air conditioners.
- ④ When the tenant list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
- ⑤ Push [ON] to turn on, and [OFF] to turn off.

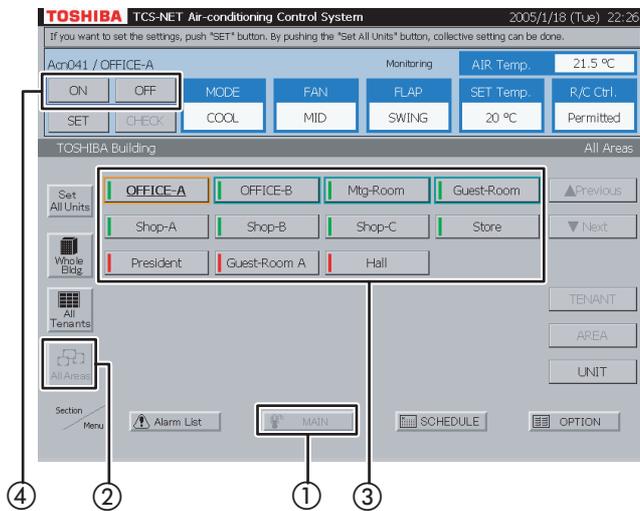
<Choose a tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
- ③ Select [TENANT].
- ④ Choose a tenant for which you want to turn on/off air conditioners.
- ⑤ When the tenant list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
- ⑥ Push [ON] to turn on, and [OFF] to turn off.

HOW TO OPERATE (continued)

Turning ON/OFF Air Conditioners (continued)

Fig. 7-1 Choose from All Areas

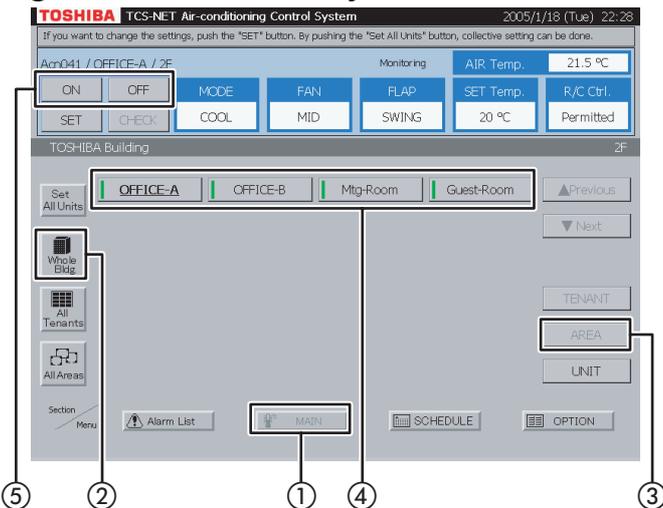


7 ON/OFF by area

<Choose an area from all areas>

- ① Select [MAIN].
- ② Select [All Areas].
- ③ Choose an area for which you want to turn on/off air conditioners.
- ④ Push [ON] to turn on, and [OFF] to turn off.

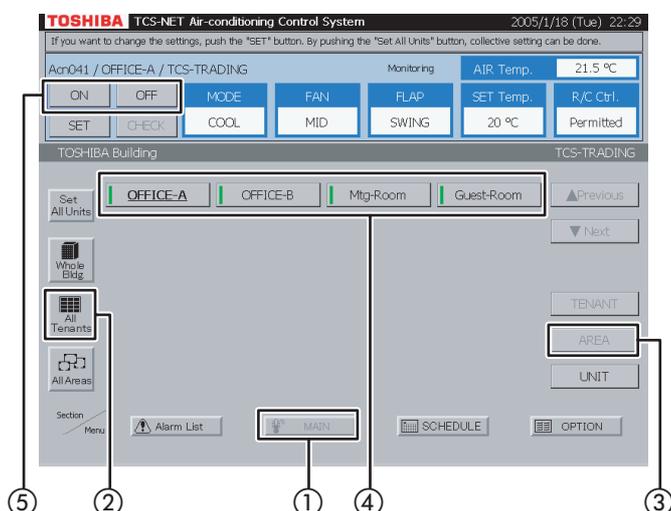
Fig. 7-2 Choose Area by Block



<Choose an area by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which areas belong.
- ③ Select [AREA].
- ④ Choose an area for which you want to turn on/off air conditioners.
- ⑤ Push [ON] to turn on, and [OFF] to turn off.

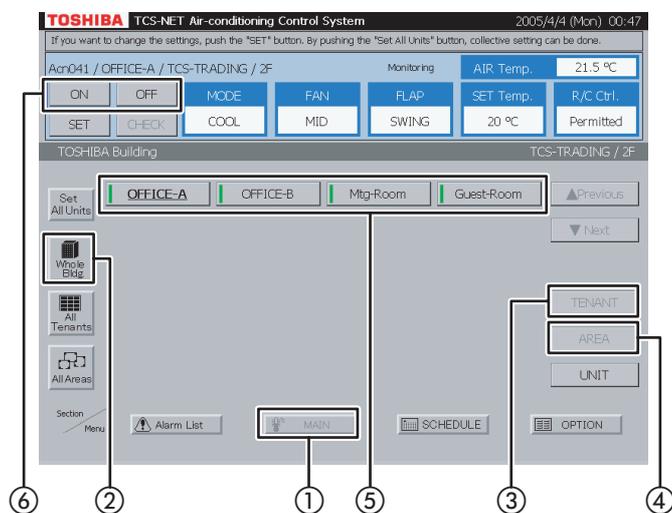
Fig. 7-3 Choose Area by Tenant



<Choose an area by tenant>

- ① Select [MAIN].
- ② Select [All Tenants].
Choose a tenant to which areas belong.
- ③ Select [AREA].
- ④ Choose an area for which you want to turn on/off air conditioners.
- ⑤ Push [ON] to turn on, and [OFF] to turn off.

Fig. 7-4 Choose Area from Tenant by Block



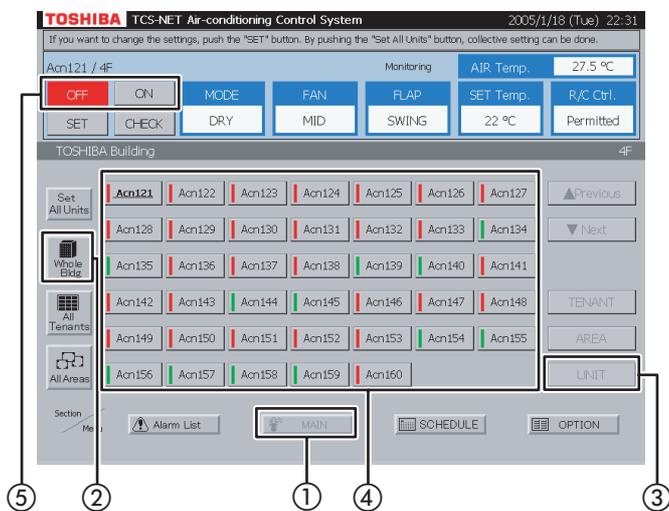
<Choose an area from tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which tenants belong.
- ③ Select [TENANT].
Choose a tenant to which areas belong.
- ④ Select [AREA].
- ⑤ Choose an area for which you want to turn on/off air conditioners.
- ⑥ Push [ON] to turn on, and [OFF] to turn off.

HOW TO OPERATE (continued)

Turning ON/OFF Air Conditioners (continued)

Fig. 8-1 Choose from Block

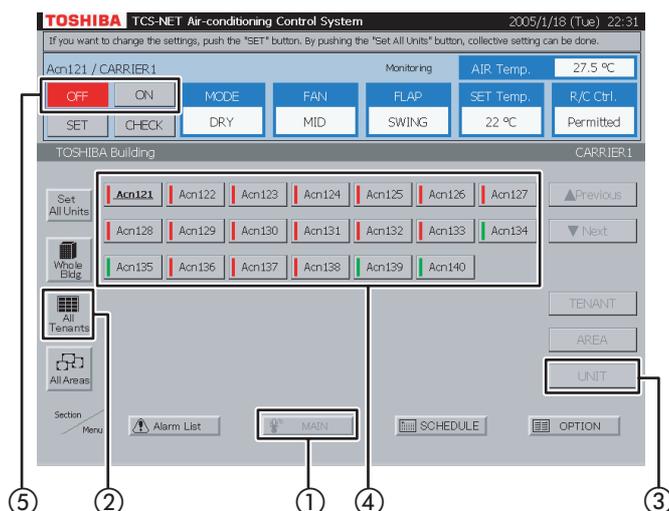


8 ON/OFF by unit

<Choose an air conditioner from block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block.
- ③ Select [UNIT].
- ④ Choose an air conditioner which you want to turn on or off.
- ⑤ Push [ON] to turn on, and [OFF] to turn off.

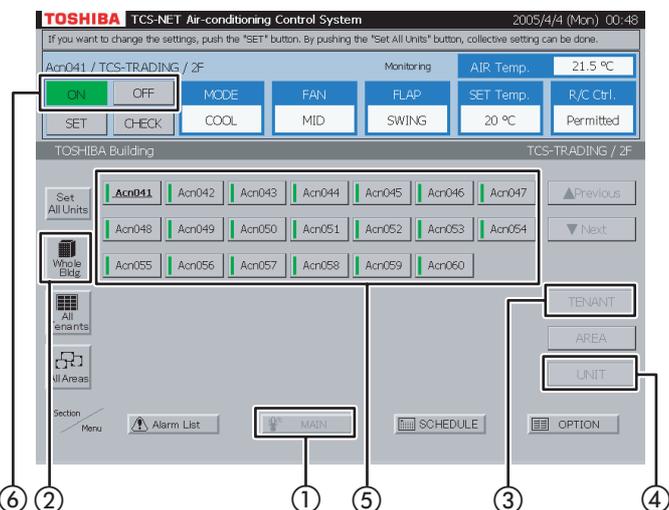
Fig. 8-2 Choose from Tenant



<Choose an air conditioner from tenant>

- ① Select [MAIN].
- ② Select [All Tenants].
Choose a tenant.
- ③ Select [UNIT].
- ④ Choose an air conditioner which you want to turn on or off.
- ⑤ Push [ON] to turn on, and [OFF] to turn off.

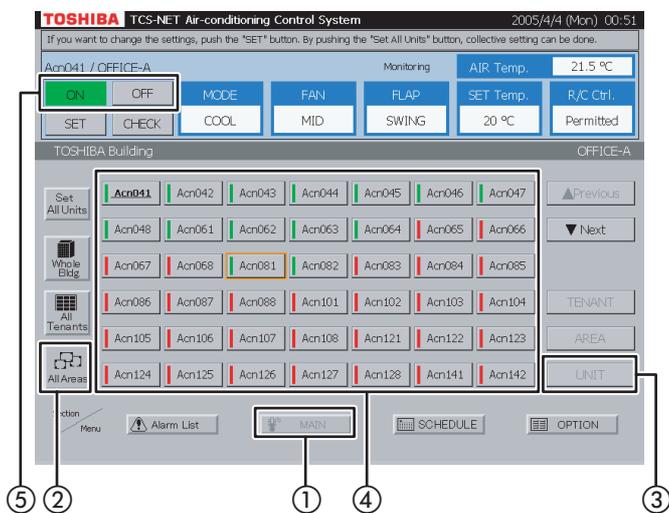
Fig. 8-3 Choose from Tenant by Block



<Choose an air conditioner from tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which tenants belong.
- ③ Select [TENANT].
Choose a tenant.
- ④ Select [UNIT].
- ⑤ Choose an air conditioner which you want to turn on or off.
- ⑥ Push [ON] to turn on, and [OFF] to turn off.

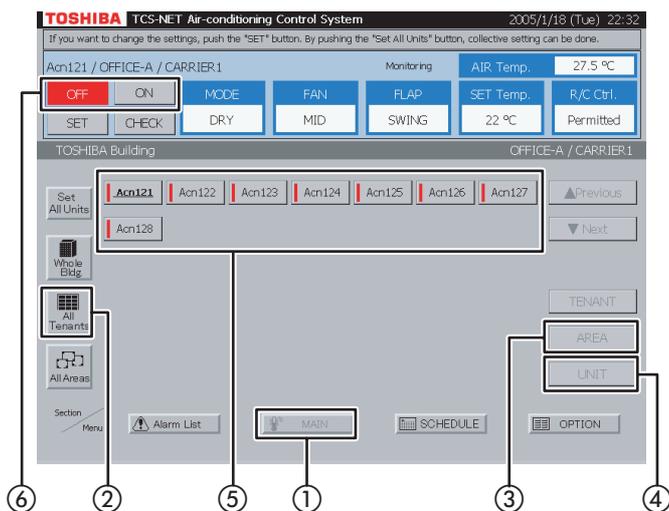
Fig. 8-4 Choose from Area



<Choose an air conditioner from area>

- ① Select [MAIN].
- ② Select [All Areas].
Choose an area.
- ③ Select [UNIT].
- ④ Choose an air conditioner which you want to turn on or off.
- ⑤ Push [ON] to turn on, and [OFF] to turn off.

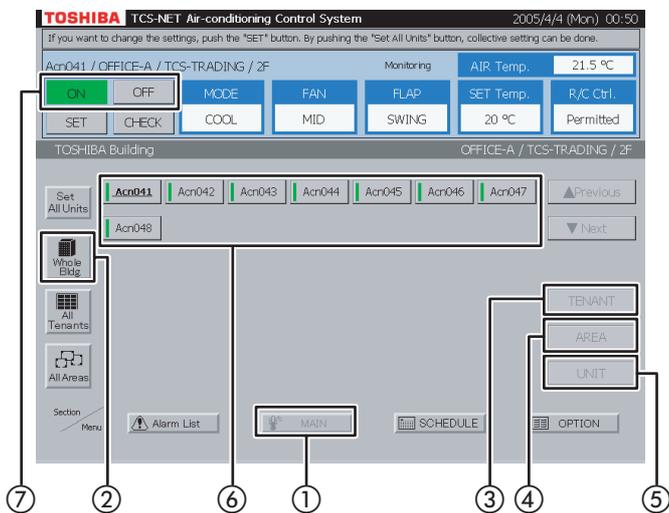
Fig. 8-5 Choose from Area by Tenant



<Choose an air conditioner from area by tenant>

- ① Select [MAIN].
- ② Select [All Tenants].
Choose a tenant to which areas belong.
- ③ Select [AREA].
Choose an area.
- ④ Select [UNIT].
- ⑤ Choose an air conditioner which you want to turn on or off.
- ⑥ Push [ON] to turn on, and [OFF] to turn off.

Fig. 8-6 Choose from Block/Tenant/Area



<Choose an air conditioner from block/tenant/area>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which tenants belong.
- ③ Select [TENANT].
Choose a tenant.
- ④ Select [AREA].
Choose an area.
- ⑤ Select [UNIT].
- ⑥ Choose an air conditioner which you want to turn on or off.
- ⑦ Push [ON] to turn on, and [OFF] to turn off.

HOW TO OPERATE (continued)

Setting Air Conditioners

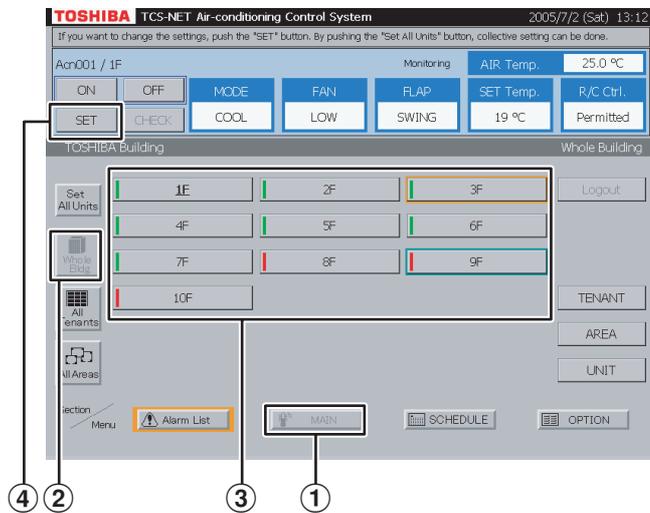


Fig. 10-1 Choose from All Tenants

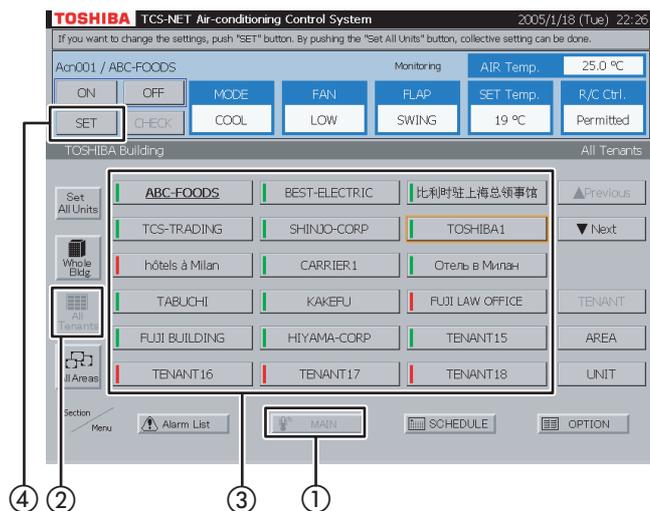
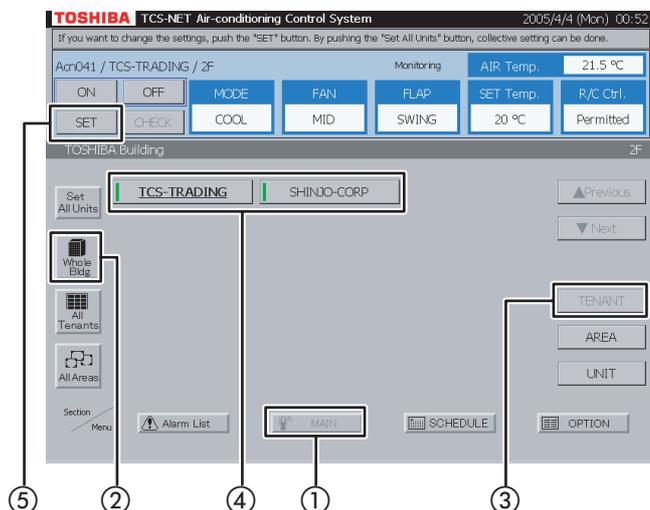


Fig. 10-2 Choose Tenant by Block



9 Setting by block

- ① Select [MAIN].
- ② Select [Whole Bldg].
- ③ Choose a block for which you want to set air conditioners.
- ④ Push [SET].
For how to set air conditioners, see 14 Settings for Air Conditioner Operation.

10 Setting by tenant

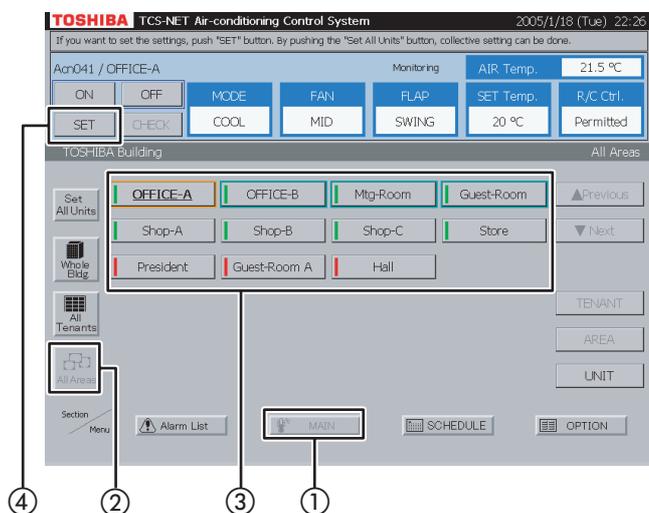
<Choose a tenant from all tenants>

- ① Select [MAIN].
- ② Select [All Tenants].
- ③ Choose a tenant for which you want to set air conditioners.
- ④ Push [SET].
For how to set air conditioners, see 14 Settings for Air Conditioner Operation.

<Choose a tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which tenants belong.
- ③ Select [TENANT].
- ④ Choose a tenant for which you want to set air conditioners.
- ⑤ Push [SET].
For how to set air conditioners, see 14 Settings for Air Conditioner Operation.

Fig. 11-1 Choose from All Areas

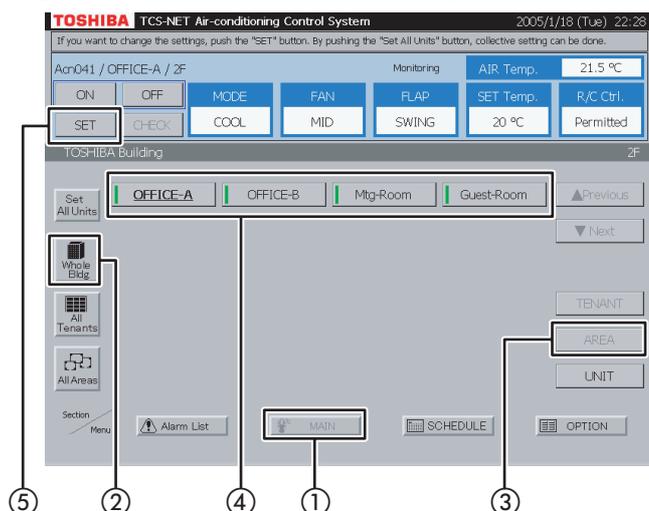


11 Setting by area

<Choose an area from all areas>

- ① Select [MAIN].
- ② Select [All Areas].
- ③ Choose an area for which you want to set air conditioners.
- ④ Push [SET].
For how to set air conditioners, see **14** Settings for Air Conditioner Operation.

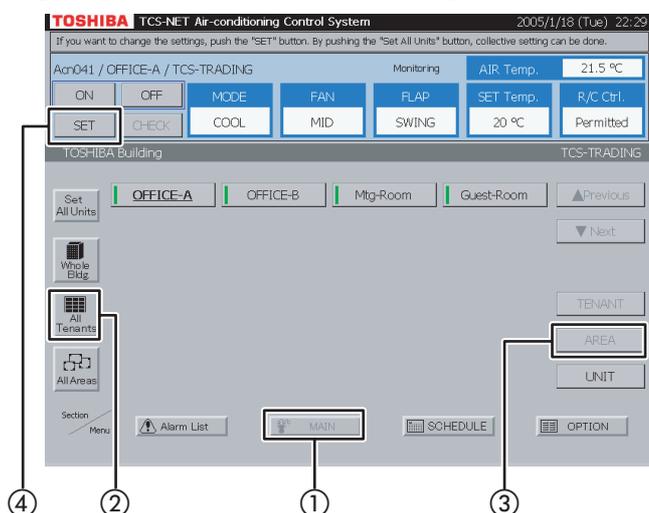
Fig. 11-2 Choose from Area by Block



<Choose an area by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which areas belong.
- ③ Select [AREA].
- ④ Choose an area for which you want to set air conditioners.
- ⑤ Push [SET].
For how to set air conditioners, see **14** Settings for Air Conditioner Operation.

Fig. 11-3 Choose from Area by Tenant



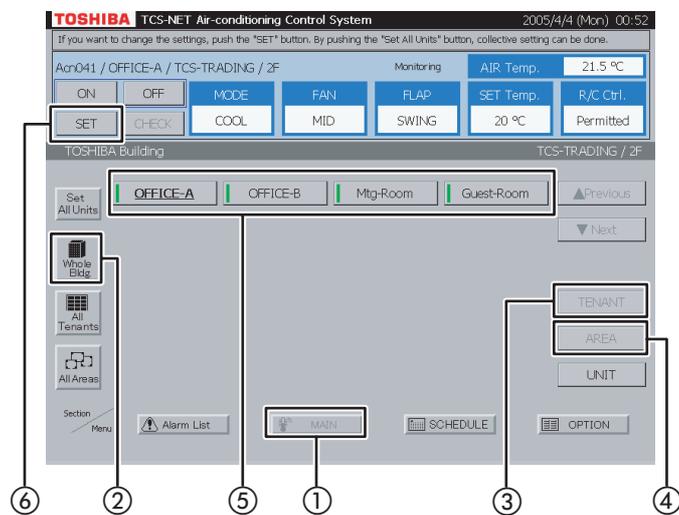
<Choose an area by tenant>

- ① Select [MAIN].
- ② Select [All Tenants].
Choose a tenant to which areas belong.
- ③ Select [AREA].
Choose an area for which you want to set air conditioners.
- ④ Push [SET].
For how to set air conditioners, see **14** Settings for Air Conditioner Operation.

HOW TO OPERATE (continued)

Setting Air Conditioners (continued)

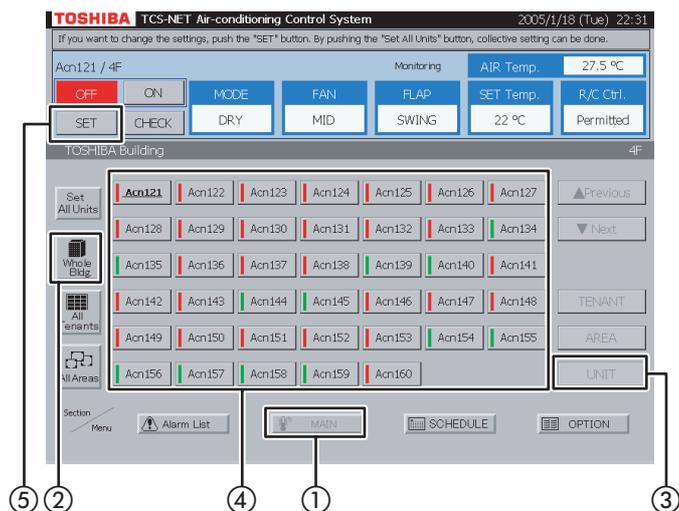
Fig. 11-4 Choose Area from Tenant by Block



<Choose an area from tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which tenants belong.
- ③ Select [TENANT].
Choose a tenant to which areas belong.
- ④ Select [AREA].
- ⑤ Choose an area for which you want to set air conditioners.
- ⑥ Push [SET].
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

Fig. 12-1 Choose from Block

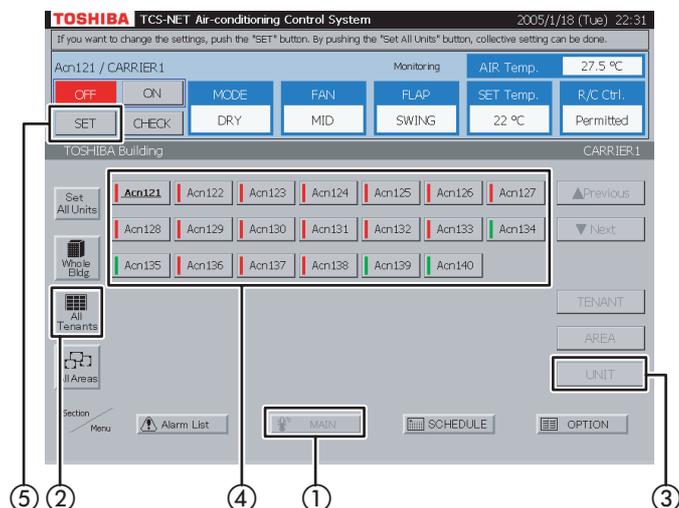


[12](#) Setting by air conditioner

<Choose an air conditioner from block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block.
- ③ Select [UNIT].
- ④ Choose an air conditioner which you want to set.
- ⑤ Push [SET].
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

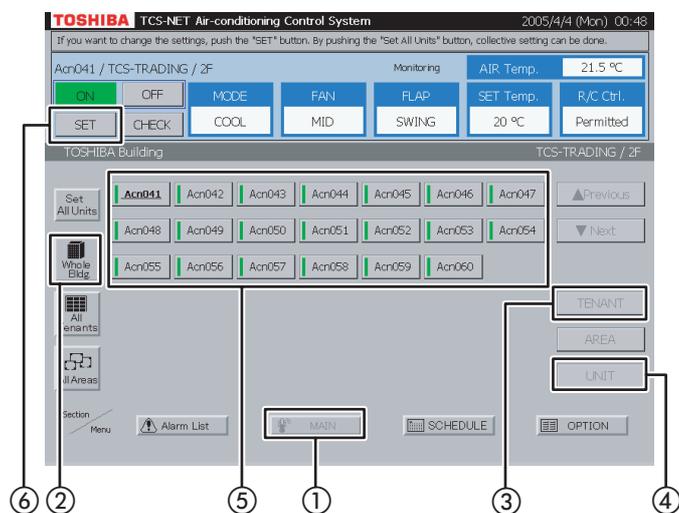
Fig. 12-2 Choose from Tenant



<Choose an air conditioner from tenant>

- ① Select [MAIN].
- ② Select [All Tenants].
Choose a tenant.
- ③ Select [UNIT].
- ④ Choose an air conditioner which you want to set.
- ⑤ Push [SET].
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

Fig. 12-3 Choose from Tenant by Block



<Choose an air conditioner from tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
Choose a block to which tenants belong.
- ③ Select [TENANT].
Choose a tenant.
- ④ Select [UNIT].
- ⑤ Choose an air conditioner which you want to set.
- ⑥ Push [SET].
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

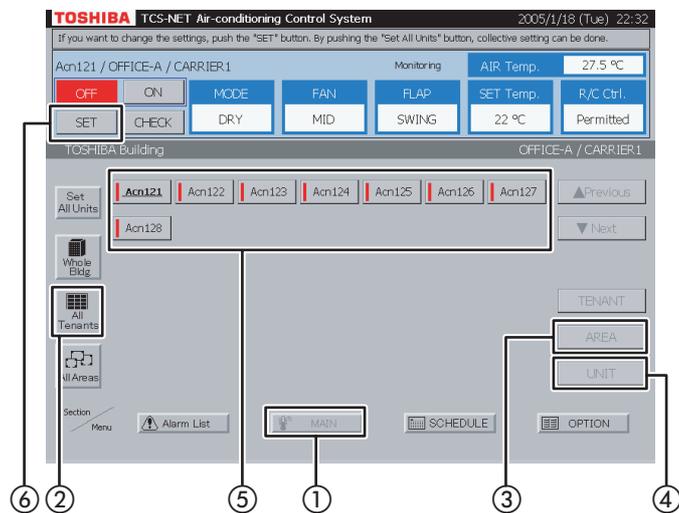
Fig. 12-4 Choose from Area



<Choose an air conditioner from area>

- ① Select [MAIN].
- ② Select [All Areas].
Choose an area.
- ③ Select [UNIT].
- ④ Choose an air conditioner which you want to set.
- ⑤ Push [SET].
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

Fig. 12-5 Choose from Area by Tenant



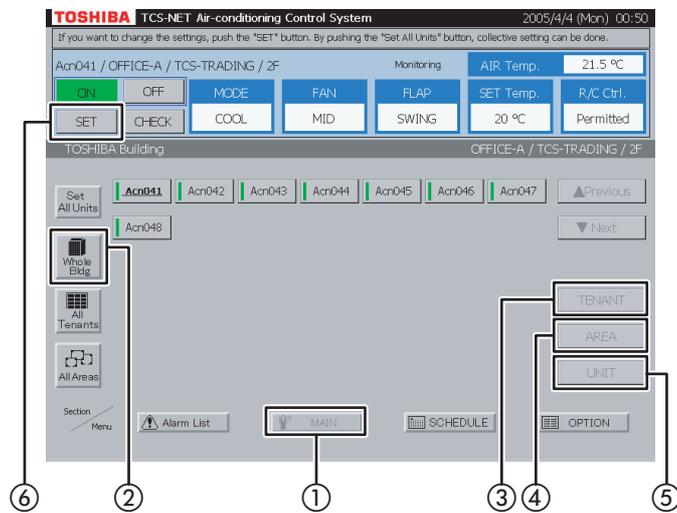
<Choose an air conditioner from area by tenant>

- ① Select [MAIN].
- ② Select [All Tenants].
Choose a tenant to which areas belong.
- ③ Select [AREA].
Choose an area.
- ④ Select [UNIT].
- ⑤ Choose an air conditioner which you want to set.
- ⑥ Push [SET].
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

HOW TO OPERATE (continued)

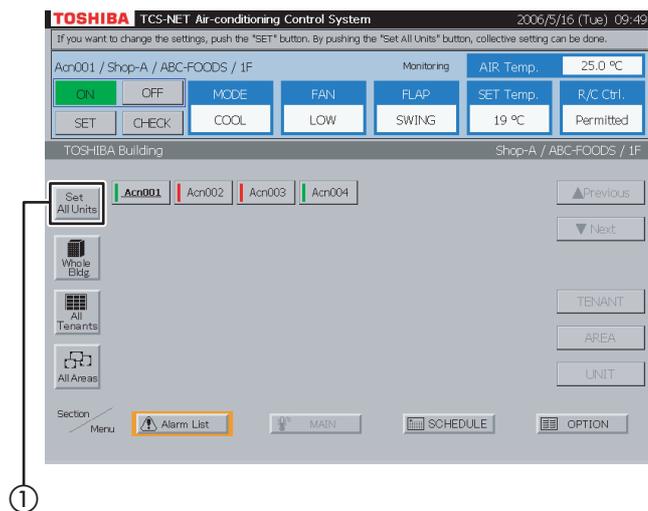
Setting Air Conditioners (continued)

Fig. 12-6 Choose from Block/Tenant/Area



<Choose an air conditioner from block/tenant/area>

- 1 Select [MAIN].
- 2 Select [Whole Bldg].
Choose a block to which tenants belong.
- 3 Select [TENANT].
Choose a tenant to which areas belong.
- 4 Select [AREA].
Choose an area.
- 5 Select [UNIT].
- 6 Push [SET].
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

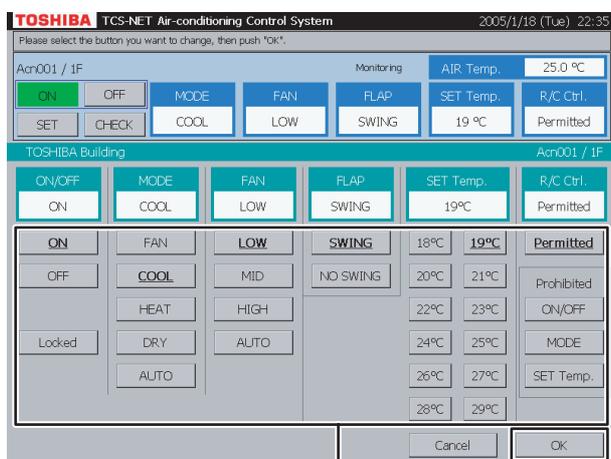


13 Setting all air conditioners

- 1 Push [Set All Units].
All the air conditioners shown in the list are set collectively.
* This is effective even when air conditioners are listed on two or more pages.

In the example of this screen, all the four air conditioners are set.

For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.



14 Settings for air conditioner operation

The following describes settings of operation mode, fan speed, set temperature, R/C control, etc. Push [SET] - [Set All Units] to open the screen shown left. (Refer to 9 to 13 for operations to display the setting screen.)

For blank items, the current settings of each air conditioner are continuously valid. When performing total setting for all units, be careful that the displayed settings are valid for all selected air conditioners as control settings.

[Setting]

- ① Set operation mode, fan speed, set temperature and other items individually.
- ② Push [OK]. The settings are transmitted and the setting screen closes. If you push [Cancel], the setting screen closes with no settings transmitted.

[Content of Setting Screen]

<MODE>
[FAN]
 Sets operation mode to fan only operation.
[COOL]
 Sets operation mode to cooling operation.
[HEAT]
 Sets operation mode to heating operation.
[DRY]
 Sets operation mode to dry operation.
[AUTO]
 Each air conditioner selects operation mode automatically.

<ON/OFF>
[ON]
 Turns on air conditioners.
[OFF]
 Turns off air conditioners.
[Locked]
 Turns off air conditioners forcibly, and inhibits operations by R/C control. To enable operations, select [Permitted] of R/C Ctrl.

<R/C Ctrl.>
[Permitted]
 Enables all operations by R/C Ctrl.
[Prohibited]
 Limits operations of the remote control connected to an air conditioner.
[ON/OFF]
 Inhibits ON/OFF operation by R/C Ctrl.
[MODE]
 Inhibits the operation mode by R/C Ctrl.
[SET Temp.]
 Inhibits changing of temperature set by R/C Ctrl.

<FAN>
[LOW]
 Sets low fan speed.
[MID]
 Sets medium fan speed.
[HIGH]
 Sets high fan speed.
[AUTO]
 Each air conditioner selects fan speed automatically.

<FLAP>
[SWING]
 Swings the flap.
[NO SWING]
 Stops swinging the flap.

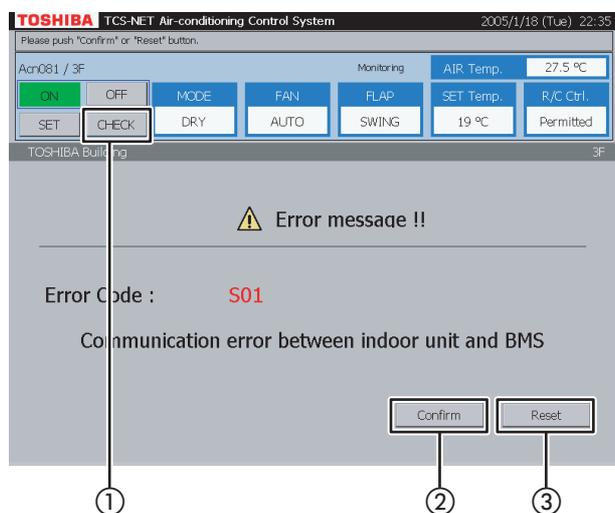
<SET Temp.>
18°C - 29°C
 Temperature is set to a selected temperature.

[OK]
 Executes the setting.

[Cancel]
 Does not execute the setting and returns to the Monitoring screen.

HOW TO OPERATE (continued)

Setting Air Conditioners (continued)



15 Indicating alarm/filter sign

Select an alarm air conditioner, and ① push [CHECK]. An alarm indication or filter sign appears on the screen.

(The CHECK button is not available when block, tenant or area is selected.)

When an air conditioner with no alarm is selected, no alarm is indicated.

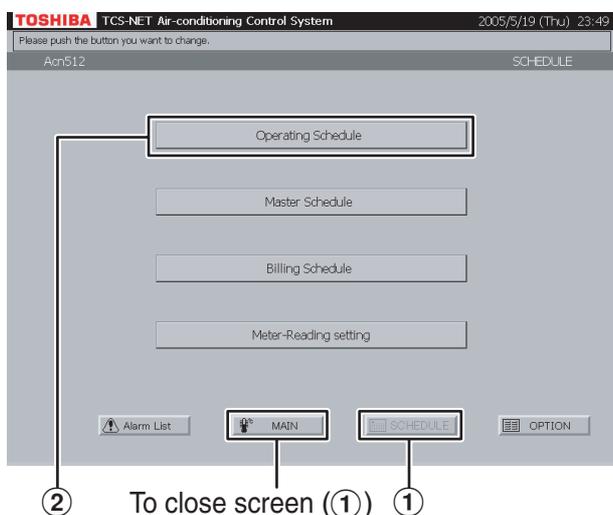
② Push [Confirm] to return to the previous screen.

③ When [Reset] is pushed, an alarm clear signal is transmitted to the alarm air conditioner to clear the alarm signal. A confirmation message appears before the alarm clear signal is transmitted.

If both an alarm and filter sign occur simultaneously, alarm indication takes precedence.

Checking/Setting Operating Schedule

Fig. 16-1 Schedule Screen



16 Checking operating schedule

- ① Push [SCHEDULE].
The Schedule screen (Fig. 16-1) appears.
To close this screen, push [MAIN].
- ② Push [Operating Schedule]. The Operating Schedule Check screen (Fig. 16-2) appears.

Black line ON to OFF

Green line ON only

Red line OFF only

- ③ When [ALL UNITS] is pushed, a list of all units is displayed (Fig. 16-3).
- ④ Choose an air conditioner whose schedule you want to check.
- ⑤ When the list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
If you choose no air conditioner, push [Cancel].
- ⑥ Push [OK] after choosing an air conditioner.
- ⑦ Push [Return to menu] to return to the Schedule screen (Fig. 16-1).

Fig. 16-2 Operating Schedule Check Screen

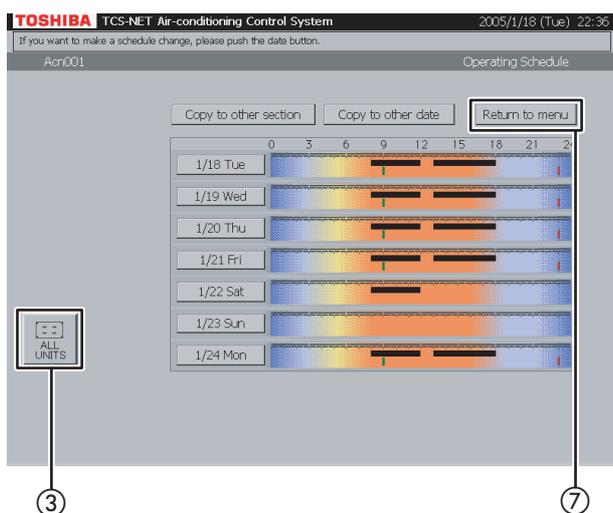
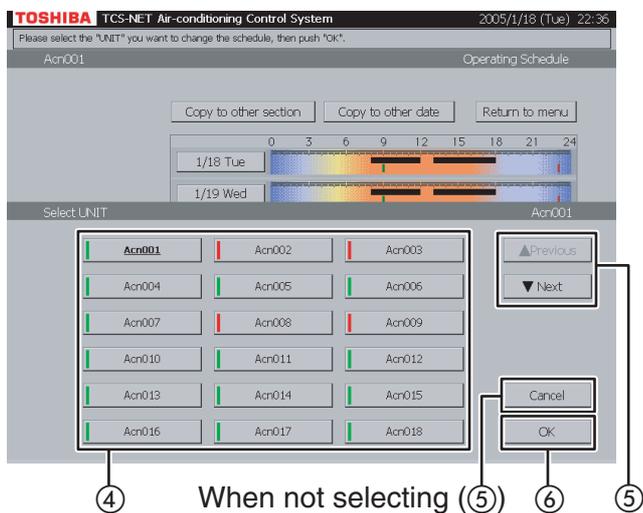
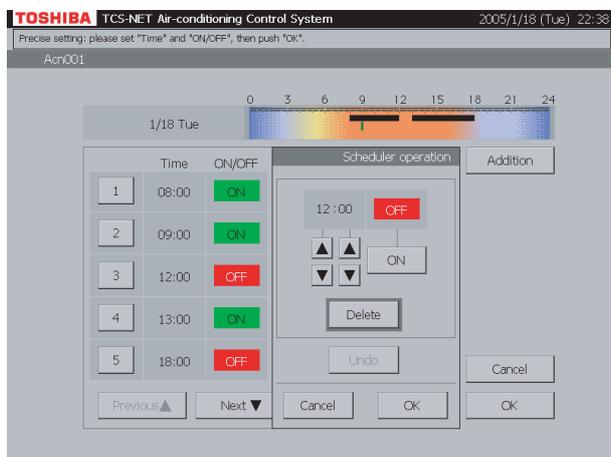


Fig. 16-3 Selection from All Units



When not selecting (5) (6) (5)

Fig. 17-4 Operating Schedule Detail Setting Screen (Delete Operation)



<Delete>

- ⑪ Push a number (1 to 20) whose operating schedule you want to change.
The schedule list ranges on two pages.
- ⑫ Switch the list using the [Previous ▲] and [Next ▼] buttons.

The Detail Setting screen (Fig. 17-3) appears.

- ⑬ Push [Delete].
The outline of the [Delete] button is highlighted gray (Fig. 17-4).
To undo the deletion to the previous state, push [Undo].
- ⑭ Push [OK] on the Detail Setting screen to delete the selected operating schedule.
If you do not delete the operating schedule, push [Cancel] on the Detail Setting screen.
- ⑮ Confirm the addition, change or deletion setting, and then push [OK].
If you cancel the addition, change or deletion setting, push [Cancel].

HOW TO OPERATE (continued)

Checking/Setting Operating Schedule (continued)

Fig. 18-1 Operating Schedule Screen



18 Copy to other section

- ① Push [Copy to other section].
The screen (Fig. 18-2) appears.
- ② Choose one or more dates you want to copy.
To select whole week, push [Select all]. Selected dates are highlighted with bold type and underline.
If you do not copy schedule, push [Cancel].
- ③ Push [BLOCK] to copy schedule to a block. A block list is displayed (Fig. 18-3).
Push [TENANT] to copy schedule to a tenant. A tenant list is displayed (Fig. 18-4).
Push [AREA] to copy schedule to an area. An area list is displayed (Fig. 18-5).
Push [UNIT] to copy schedule to another air conditioner. A unit list is displayed (Fig. 18-6).
- ④ When the list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
If you do not copy schedule, push [Cancel].
- ⑤ Push [OK] to copy schedule to the selected section.

Fig. 18-2 “Copy to Other Section” Screen

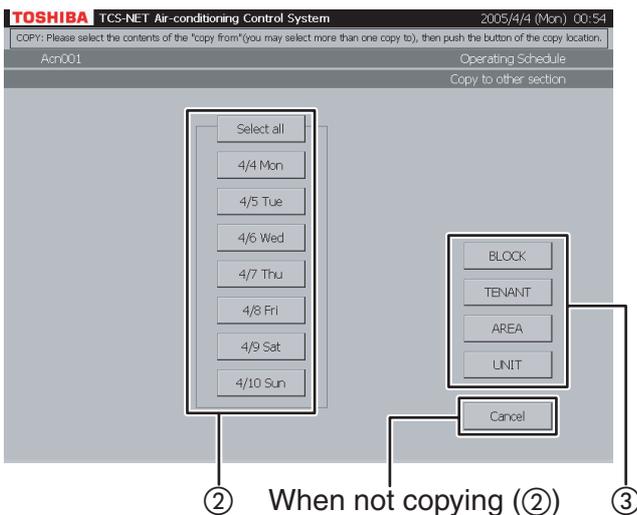


Fig. 18-3 Block Select Screen

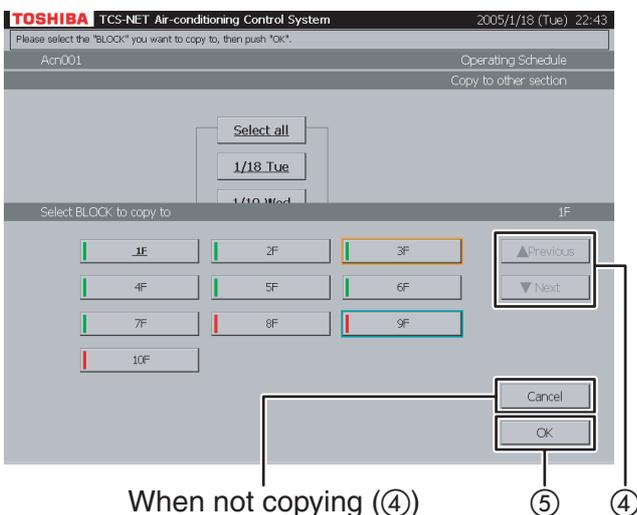


Fig. 18-4 Tenant Select Screen

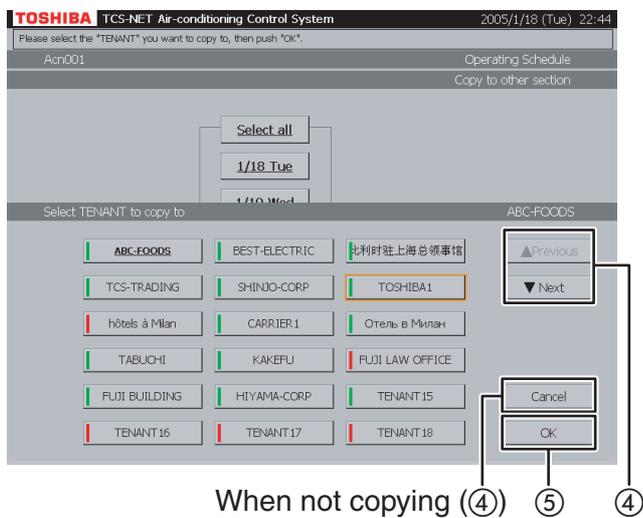


Fig. 18-5 Area Select Screen

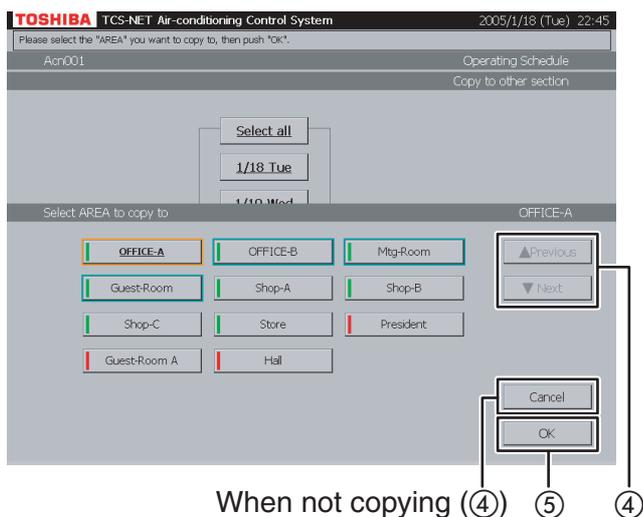
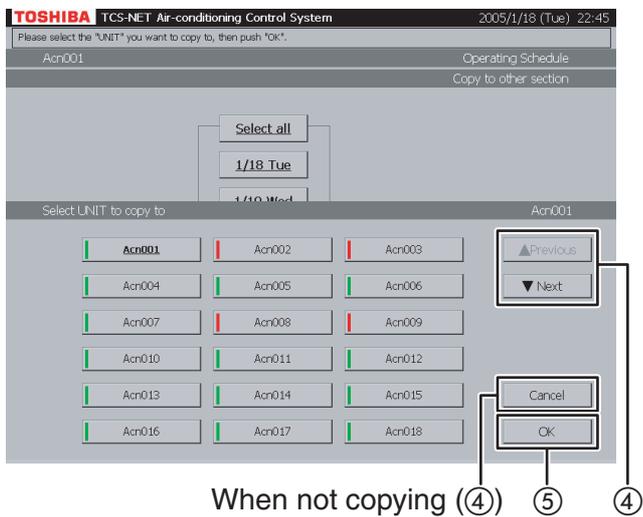
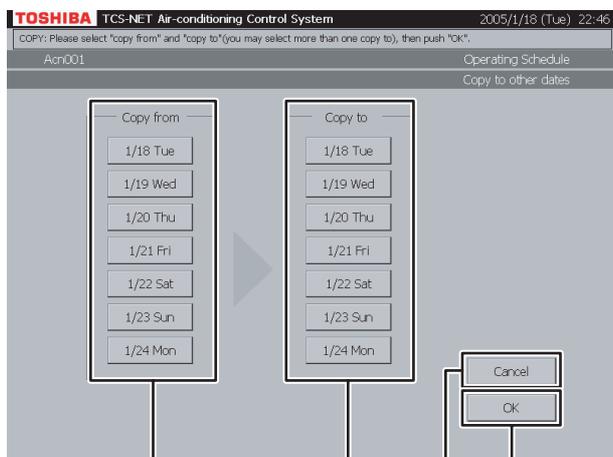


Fig. 18-6 Unit Select Screen



HOW TO OPERATE (continued)

Checking/Setting Operating Schedule (continued)



When not copying (②)

19 Copy to other date

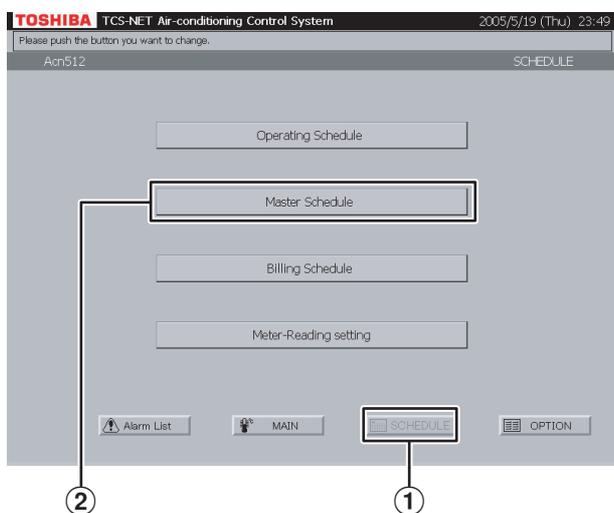
- ① Choose a date of copy origin.
- ② Choose one or more dates of copy destination.

If you cancel the copy, push [Cancel].

- ③ Push [OK] to perform the copy.

Checking/Setting Master Schedule

Fig. 20-1 Schedule Screen

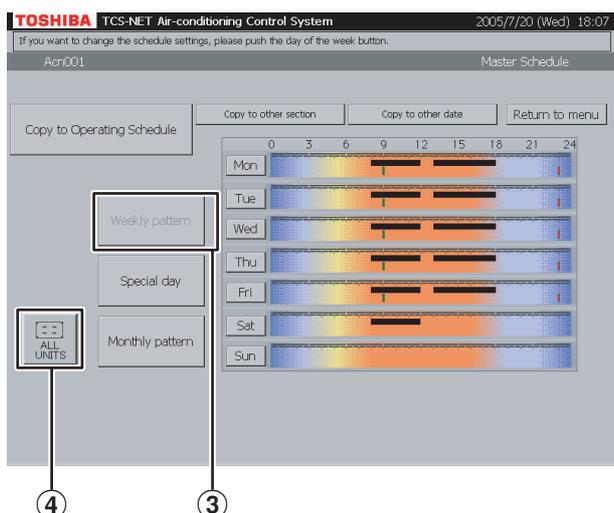


20 Checking weekly pattern

- ① Push [SCHEDULE].
The Schedule screen (Fig. 20-1) appears.
- ② Push [Master Schedule].
The screen (Fig. 20-2) appears.
- ③ Push [Weekly pattern]. (This button is active at the time when this screen opens.)

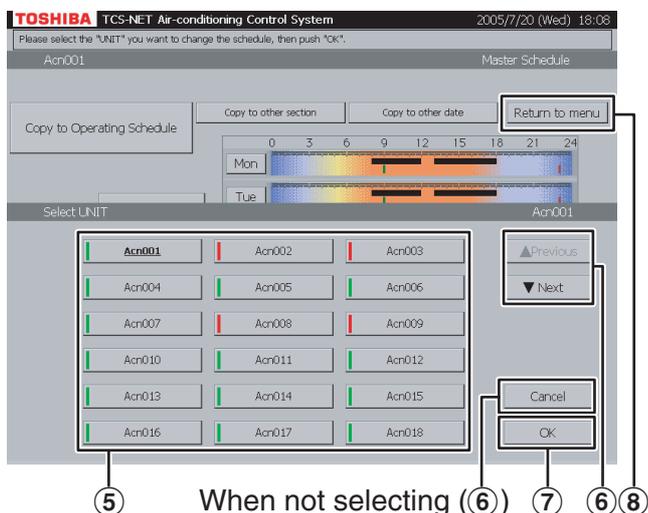
Black line ON to OFF
 Green line ON only
 Red line OFF only

Fig. 20-2 Checking Weekly Pattern



- ④ To check schedules of other air conditioners, push [ALL UNITS].
The screen (Fig. 20-3) appears.
- ⑤ Choose an air conditioner whose schedule you want to check.
- ⑥ When the unit list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
If you choose no air conditioner, push [Cancel].
- ⑦ Push [OK]. The schedule of the selected air conditioner is displayed.
- ⑧ Push [Return to menu] to return to the Schedule screen (Fig. 20-1).

Fig. 20-3 Selection from All Units

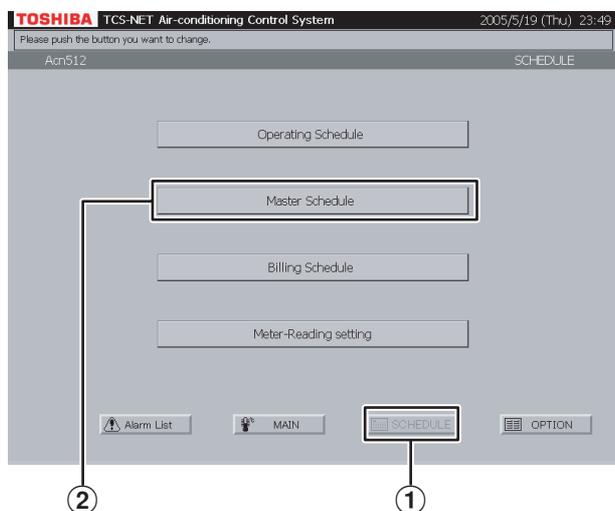


When not selecting (6) 7 6 8

HOW TO OPERATE (continued)

Checking/Setting Master Schedule (continued)

Fig. 21-1 Schedule Screen



21 Checking special-day pattern

- ① Push [SCHEDULE].
The Schedule screen (Fig. 21-1) appears.
- ② Push [Master Schedule].
The screen (Fig. 21-2) appears.
- ③ Push [Special day].

Black line ON to OFF

Green line ON only

Red line OFF only

Fig. 21-2 Checking Special-day Pattern



- ④ To check schedules of other air conditioners, push [ALL UNITS].
The screen (Fig. 21-3) appears.
- ⑤ Choose an air conditioner whose schedule you want to check.
- ⑥ When the unit list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
If you choose no air conditioner, push [Cancel].
- ⑦ Push [OK]. The schedule of the selected air conditioner is displayed.
- ⑧ Push [Return to menu] to return to the Schedule screen (Fig. 21-1).

Fig. 21-3 Selection from All Units

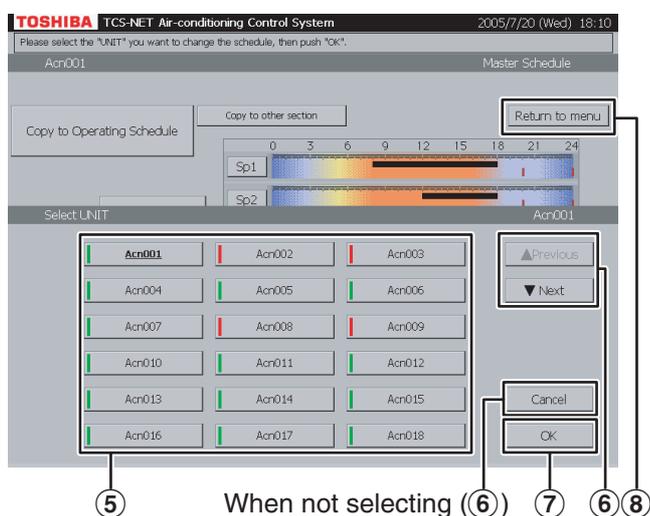
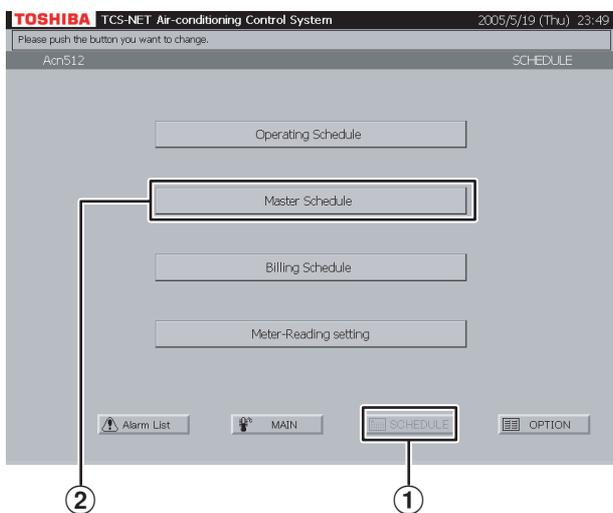


Fig. 22-1 Schedule Screen



22 Checking monthly pattern

- ① Push [SCHEDULE].
The Schedule screen (Fig. 22-1) appears.
- ② Push [Master Schedule].
The screen (Fig. 22-2) appears.
- ③ Push [Monthly pattern]. A calendar of the current month appears for monthly pattern check.
- ④ Use the [▲ Pre] and [▼ Next] buttons to display other months (12 months including the current month).
- ⑤ To check schedules of other air conditioners, push [ALL UNITS].
The screen (Fig. 22-3) appears.
- ⑥ Choose an air conditioner whose schedule you want to check.
- ⑦ When the unit list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
If you cancel the selection, push [Cancel].
- ⑧ Push [OK]. The monthly pattern of the selected air conditioner is displayed.
- ⑨ Push [Return to menu] to return to the Schedule screen (Fig. 22-1).

Fig. 22-2 Checking Monthly Pattern

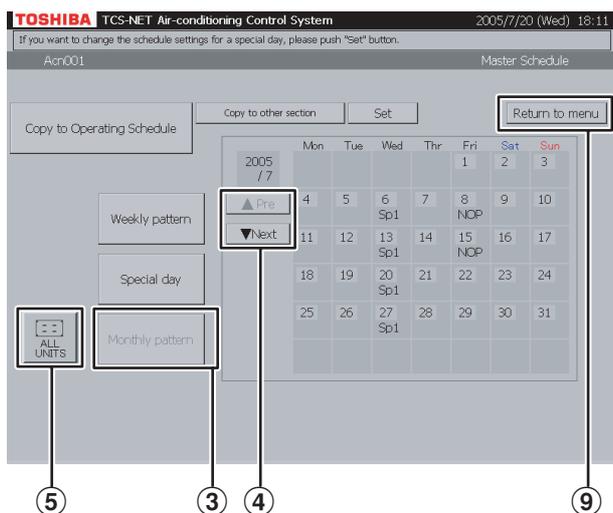
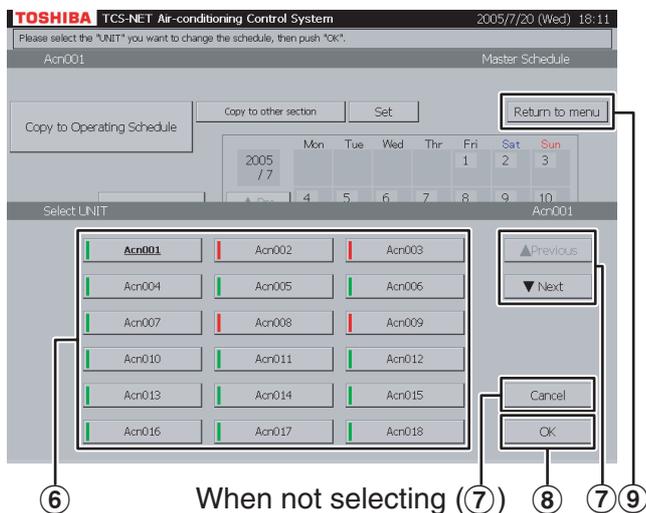


Fig. 22-3 Selection from All Units



When not selecting (7) ⑧ ⑦ ⑨

HOW TO OPERATE (continued)

Checking/Setting Master Schedule (continued)

Fig. 23-1 Weekly Pattern Check Screen

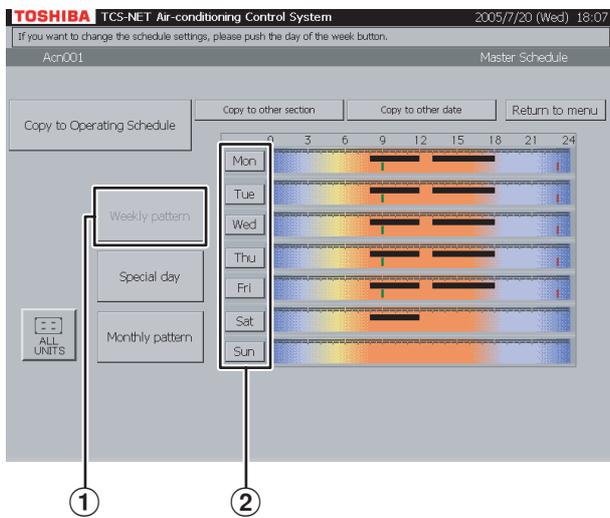


Fig. 23-2 Weekly Pattern Setting Screen

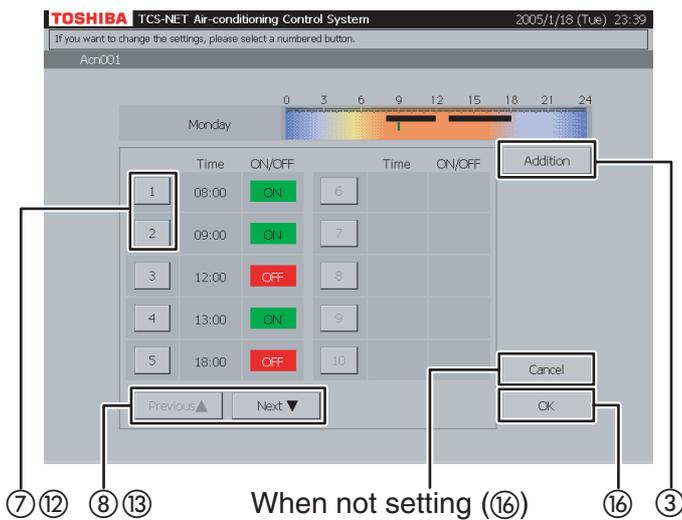
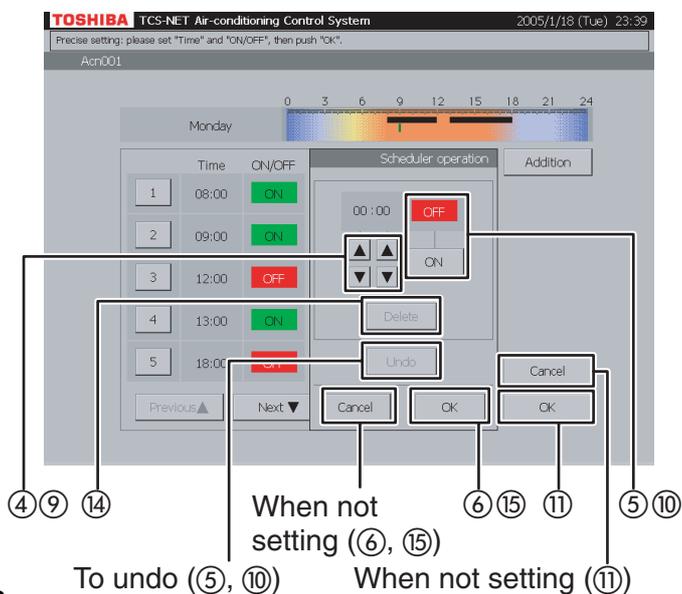


Fig. 23-3 Master Schedule Detail Setting Screen



23 Setting weekly pattern

- ① Push [Weekly pattern].
- ② Push the button of a day of the week you want to set.
The Weekly Pattern Setting screen (Fig. 23-2) appears.

<Addition>

- ③ Push [Addition].
The Master Schedule Detail Setting screen (Fig. 23-3) appears.
- ④ Set time for operation ON or OFF with the ▲ and ▼ buttons.
- ⑤ Push [ON] to run or [OFF] to stop.
To undo the setting to the previous state, push [Undo].
- ⑥ Confirm the setting, and then push [OK] on the Detail Setting screen.
If you do not add the weekly pattern, push [Cancel] on the Detail Setting screen.

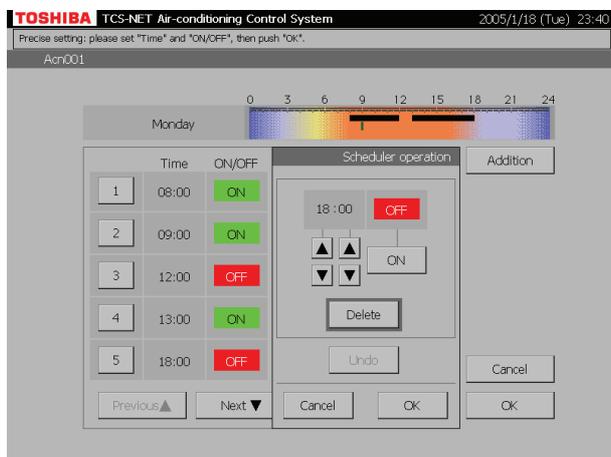
<Change>

- ⑦ Push a number (1 to 20) whose weekly pattern you want to change.
The schedule list ranges on two pages.
- ⑧ Switch the list using the [Previous ▲] and [Next ▼] buttons.

The Detail Setting screen (Fig. 23-3) appears.

- ⑨ To change ON or OFF time, use the ▲ and ▼ buttons.
- ⑩ Push [ON] or [OFF] to change ON/OFF mode.
To undo the changed setting to the previous state, push [Undo].
- ⑪ Confirm the setting, and then push [OK] on the Detail Setting screen.
If you do not change the weekly pattern, push [Cancel] on the Detail Setting screen.

Fig. 23-4 Master Schedule Detail Setting Screen (Delete Operation)



<Delete>

- ⑫ Push a number (1 to 20) whose weekly pattern you want to change.
The schedule list ranges on two pages.
- ⑬ Switch the list using the [Previous ▲] and [Next ▼] buttons.

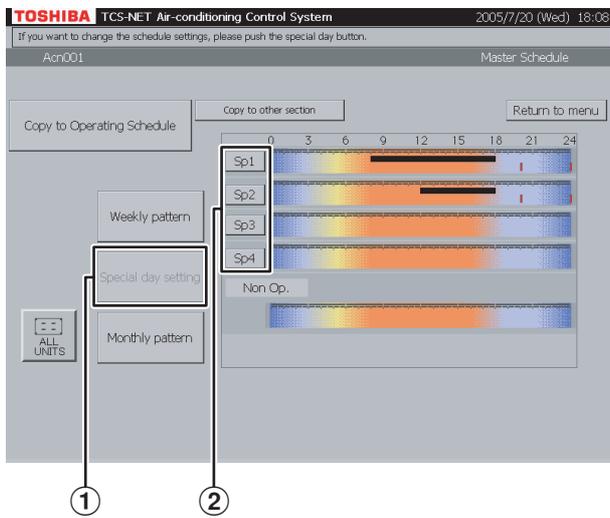
The Detail Setting screen (Fig. 23-3) appears.

- ⑭ Push [Delete].
The outline of the [Delete] button is highlighted gray (Fig. 23-4).
To undo the deletion to the previous state, push [Undo].
- ⑮ Push [OK] on the Detail Setting screen to delete the selected weekly pattern.
If you do not delete the weekly pattern, push [Cancel] on the Detail Setting screen.
- ⑯ Confirm the addition, change or deletion setting, and then push [OK].
If you cancel the addition, change or deletion setting, push [Cancel].

HOW TO OPERATE (continued)

Checking/Setting Master Schedule (continued)

Fig. 24-1 Special-day Pattern Check Screen



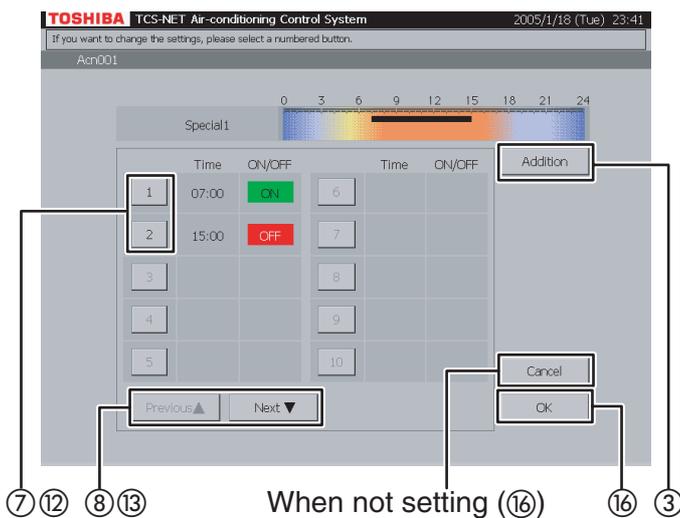
24 Setting special-day pattern

- ① Push [Special day].
- ② Push a special-day button ([Sp1] to [Sp4]) you want to set.
The Special-day Pattern Setting screen (Fig. 24-2) appears.

<Addition>

- ③ Push [Addition].
The Master Schedule Detail Setting screen (Fig. 24-3) appears.
- ④ Set time for operation ON or OFF with the ▲ and ▼ buttons.
- ⑤ Push [ON] to run or [OFF] to stop.
To undo the setting to the previous state, push [Undo].
- ⑥ Confirm the setting, and then push [OK] on the Detail Setting screen.
If you do not add the special-day pattern, push [Cancel] on the Detail Setting screen.

Fig. 24-2 Special-day Pattern Setting Screen

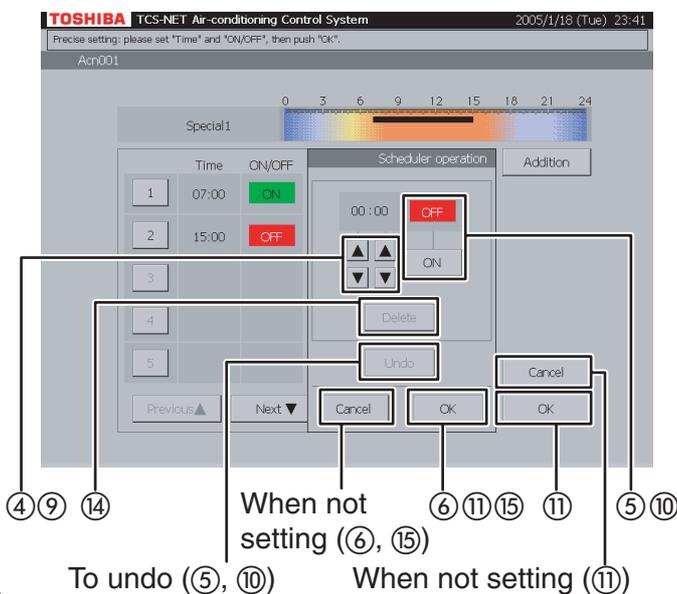


<Change>

- ⑦ Push a number (1 to 20) whose pattern you want to change.
The schedule list ranges on two pages.
- ⑧ Switch the list using the [Previous ▲] and [Next ▼] buttons.

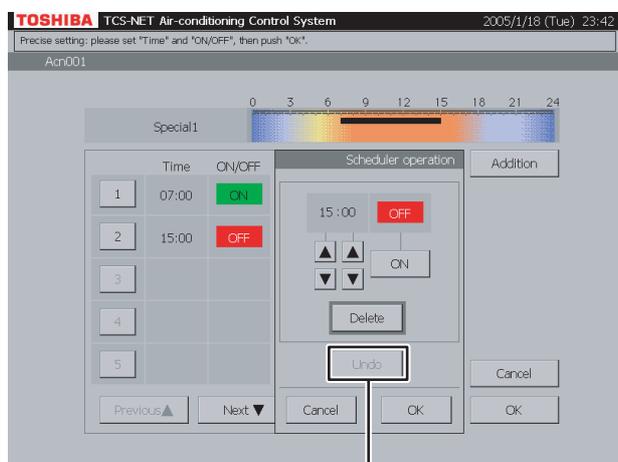
The Detail Setting screen (Fig. 24-3) appears.

Fig. 24-3 Master Schedule Detail Setting Screen



- ⑨ To change ON or OFF time, use the ▲ and ▼ buttons.
- ⑩ Push [ON] or [OFF] to change ON/OFF mode.
To undo the changed setting to the previous state, push [Undo].
- ⑪ Confirm the setting, and then push [OK] on the Detail Setting screen.
If you do not change the pattern, push [Cancel] on the Detail Setting screen.

Fig. 24-4 Master Schedule Detail Setting Screen (Delete Operation)



To undo (14)

<Delete>

- ⑫ Push a number (1 to 20) whose pattern you want to delete.
The schedule list ranges on two pages.
- ⑬ Switch the list using the [Previous ▲] and [Next ▼] buttons.

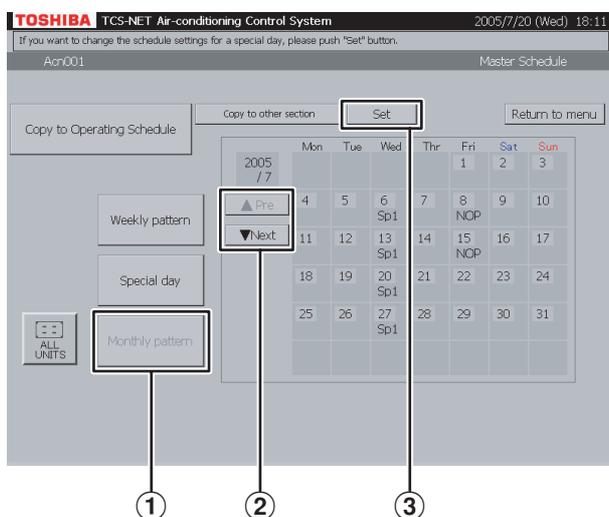
The Detail Setting screen (Fig. 24-3) appears.

- ⑭ Push [Delete].
The outline of the [Delete] button is highlighted gray (Fig. 24-4).
To undo the deletion to the previous state, push [Undo].
- ⑮ Push [OK] on the Detail Setting screen to delete the selected pattern.
If you do not delete the pattern, push [Cancel] on the Detail Setting screen.
- ⑯ Confirm the addition, change or deletion setting, and then push [OK].
If you cancel the addition, change or deletion setting, push [Cancel].

HOW TO OPERATE (continued)

Checking/Setting Master Schedule (continued)

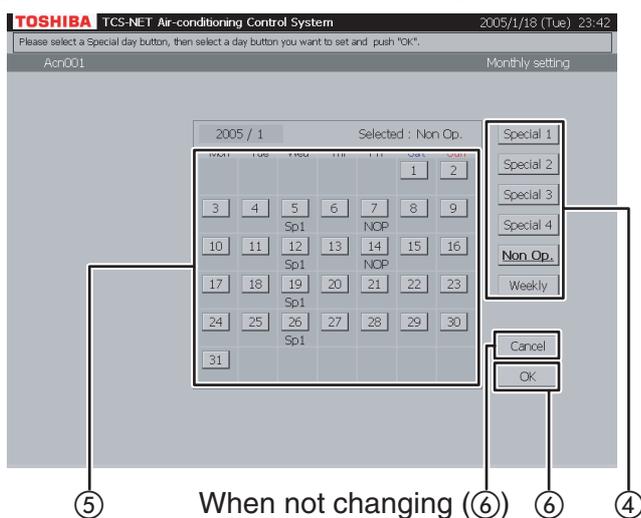
Fig. 25-1 Monthly Pattern Check Screen



25 Setting monthly pattern

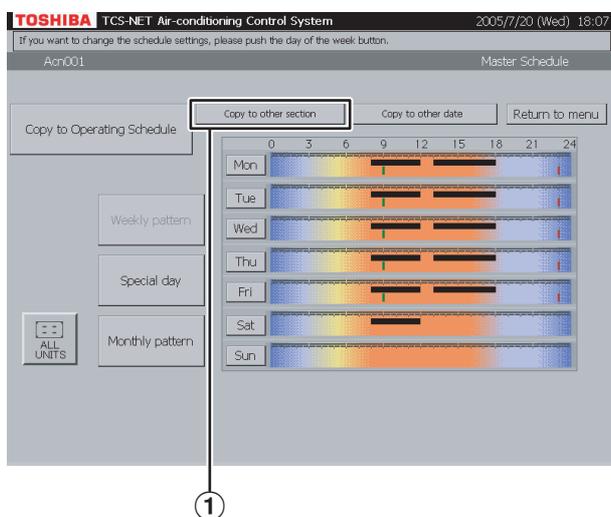
- 1 Push [Monthly pattern].
- 2 Display a month whose pattern you want to set using the [▲ Pre] and [▼ Next] buttons.
- 3 Push [Set].
The Monthly Pattern Setting screen (Fig. 25-2) appears.
- 4 Choose a pattern (Special 1 to 4, Non Op. or Weekly).
- 5 When you choose a date button whose pattern you want to set, the selected pattern is set for the day.
A weekly pattern (normal pattern) based on days of the week is applied to the days with no indication (Sp1 to 4, NOP).

Fig. 25-2 Monthly Pattern Setting Screen



- 6 Push [OK] to change the setting, or push [Cancel] when not changing the setting.
To re-set the patterns of special days and non-operation days on the calendar to weekly pattern, push the pattern button [Weekly].
Indications (Sp1 to 4, NOP) disappear and a weekly pattern schedule based on days of the week becomes effective.

Fig. 26-1 Master Schedule Check Screen



26 Copy to other section

- ① Push [Copy to other section].
The screen (Fig. 26-2) appears.

<Copying weekly pattern>

- ② Choose one or more days of the week you want to copy ([Mon] to [Sun]).
To choose all days of the week, push [Weekly pattern].

<Copying special-day pattern>

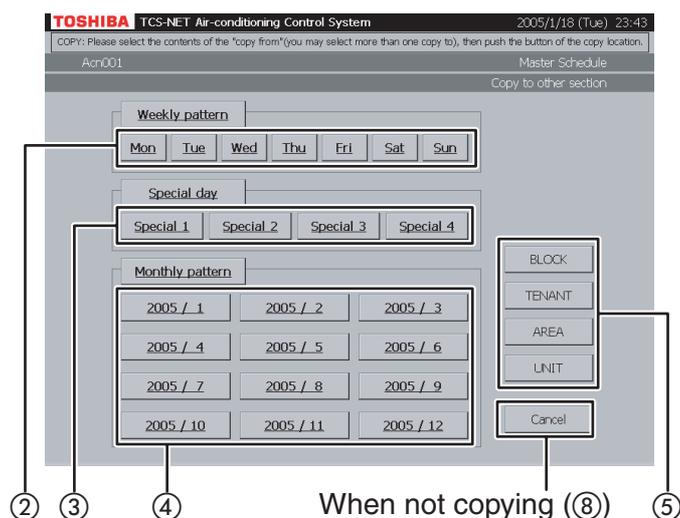
- ③ Choose one or more special days you want to copy ([Special 1] to [Special 4]).
To choose all special days, push [Special day].

<Copying monthly schedule>

- ④ Choose one or more months you want to copy ([2005 / 1] to [2005 / 12]).

To choose all months, push [Monthly pattern]. To cancel the selection, push the selected buttons.

Fig. 26-2 “Copy to Other Section” Screen



- ⑤ Push [BLOCK] to copy pattern/schedule to a block. A block list is displayed (Fig. 26-3).
- Push [TENANT] to copy pattern/schedule to a tenant. A tenant list is displayed (Fig. 26-4).
- Push [AREA] to copy pattern/schedule to an area. An area list is displayed (Fig. 26-5).
- Push [UNIT] to copy pattern/schedule to another air conditioner. A unit list is displayed (Fig. 26-6).

Fig. 26-3 Block Select Screen



- ⑥ Choose a copy destination from the list.
- ⑦ When the list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
- ⑧ Push [OK] to perform the selected copy.
If you cancel the selected copy on the screen of Fig. 26-3, 26-4, 26-5, or 26-6, push [Cancel]. The screen of Fig. 26-2 reopens.
If you cancel the selected copy on the screen of Fig. 26-2, push [Cancel]. The Master Schedule Check screen (Fig. 26-1) reopens.

HOW TO OPERATE (continued)

Checking/Setting Master Schedule (continued)

Fig. 26-4 Tenant Select Screen

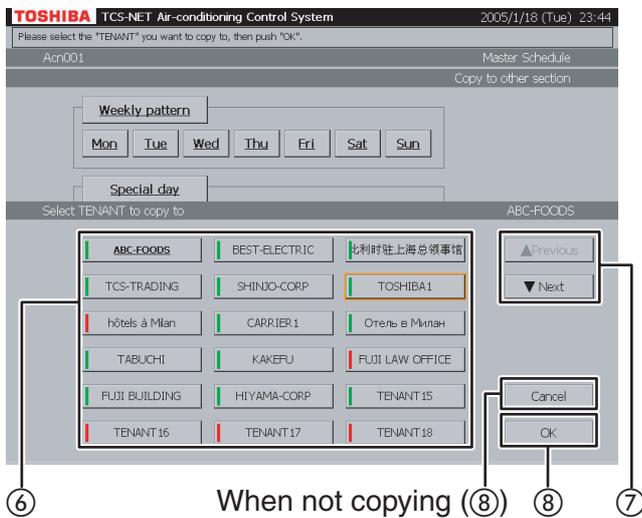


Fig. 26-5 Area Select Screen

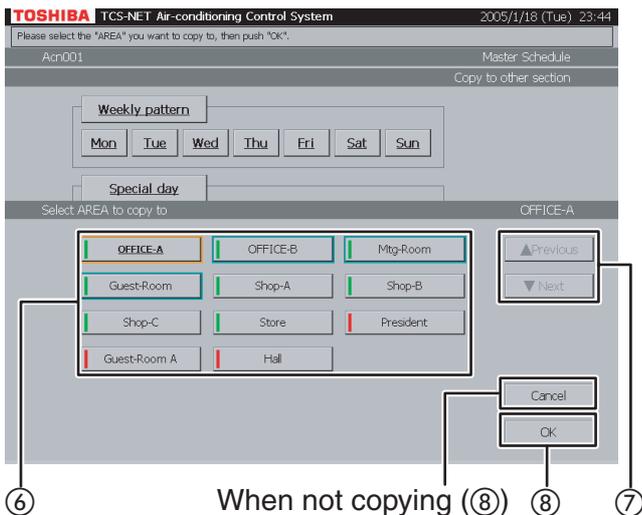
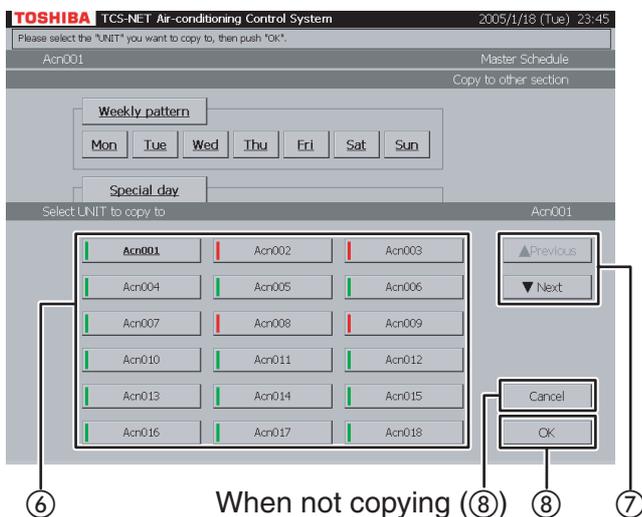
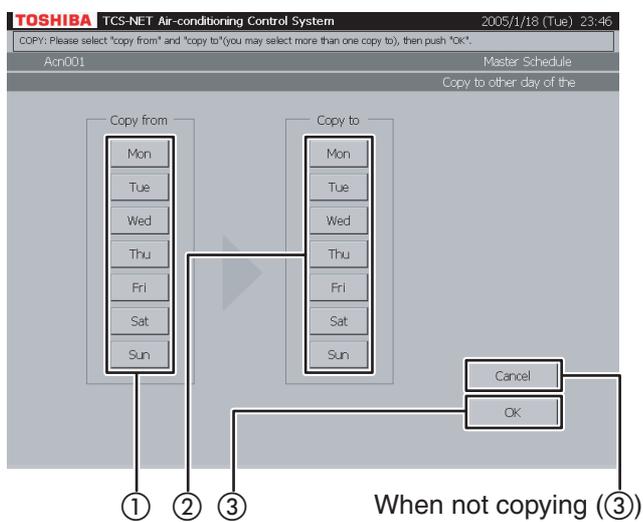


Fig. 26-6 Unit Select Screen





27 Copy to other day of the week

- ① Choose a day of the week of copy origin.
- ② Choose one or more days of the week of copy destination.
- ③ Push [OK] to perform the copy.
If you cancel the copy, push [Cancel].

HOW TO OPERATE (continued)

Checking/Setting Master Schedule (continued)

Fig. 28-1 Copy to Operating Schedule Screen

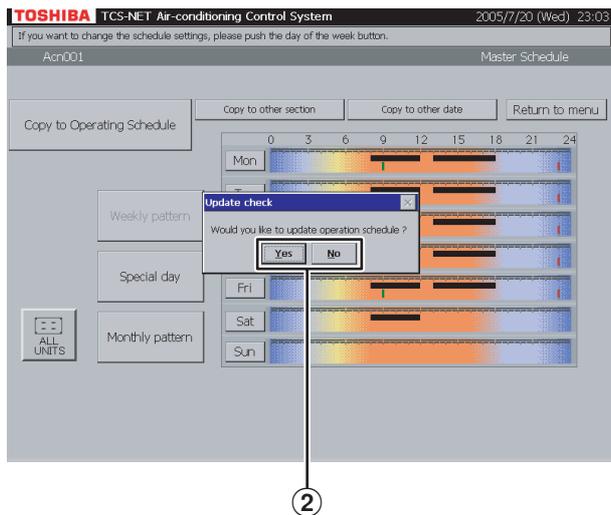


28 Copy to Operating Schedule

An operating schedule is updated to the contents of the current master schedule.

- 1 Push [Copy to Operating Schedule].
The Confirmation Message screen (Fig. 28-2) appears.

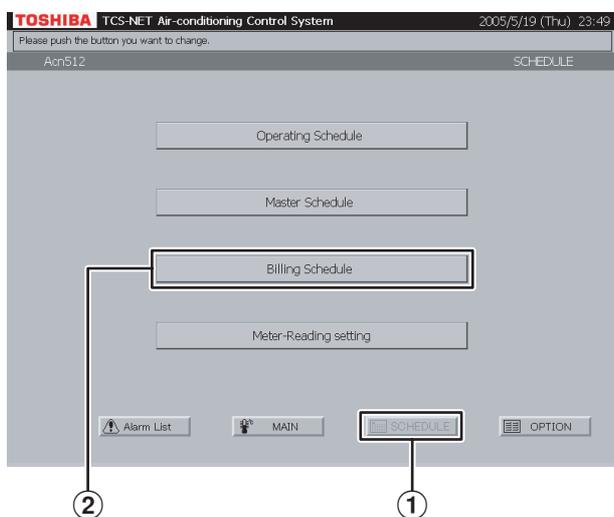
Fig. 28-2 Confirmation Message Screen



- 2 Push [Yes] to update an operating schedule.
Push [No] to return to the Copy to Operating Schedule Screen (Fig. 28-1) without updating an operating schedule.

Checking/Setting Billing Schedule

Fig. 29-1 Schedule Screen



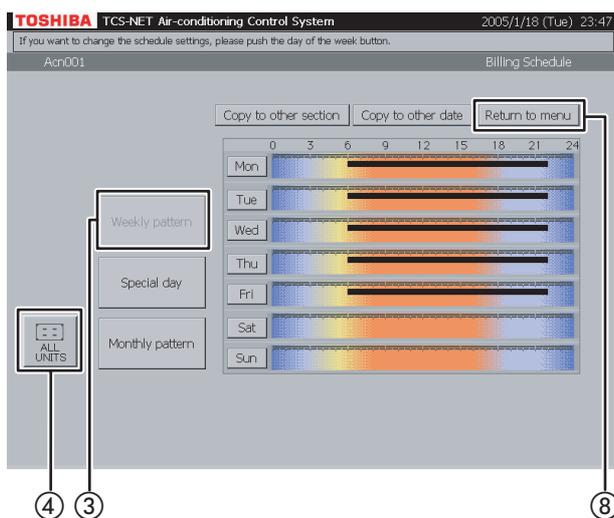
29 Checking weekly pattern

- ① Push [SCHEDULE].
The Schedule screen (Fig. 29-1) appears.
- ② Push [Billing Schedule].
The screen (Fig. 29-2) appears.
- ③ Push [Weekly pattern]. (This button is active at the time when this screen opens.)

ON area (bold line): Not charged
(In the case of Energy Monitoring, Energy Monitoring is not charged. In the case of time count, this area is treated as free time zone.)

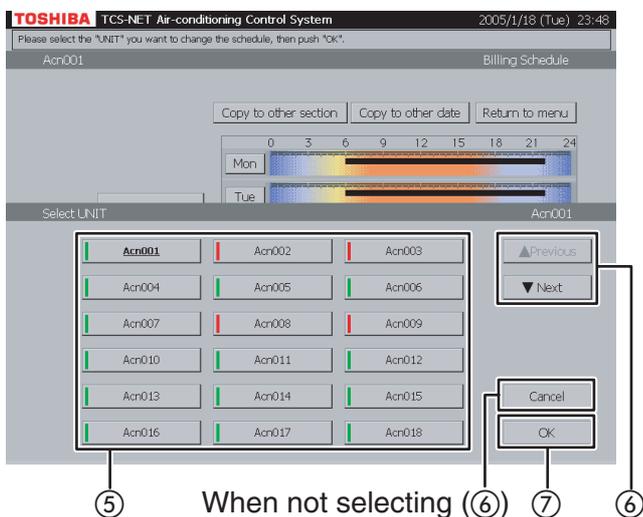
Other areas: Charged
(In the case of Energy Monitoring, Energy Monitoring is charged. In the case of time count, this area is treated as charged time zone.)

Fig. 29-2 Checking Weekly Pattern



- ④ To check schedules of other air conditioners, push [ALL UNITS].
The screen (Fig. 29-3) appears.
- ⑤ Choose an air conditioner whose schedule you want to check.
- ⑥ When the unit list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
If you choose no air conditioner, push [Cancel].
- ⑦ Push [OK]. The schedule of the selected air conditioner is displayed.
- ⑧ Push [Return to menu] to return to the Schedule screen (Fig. 29-1).

Fig. 29-3 Selection from All Units

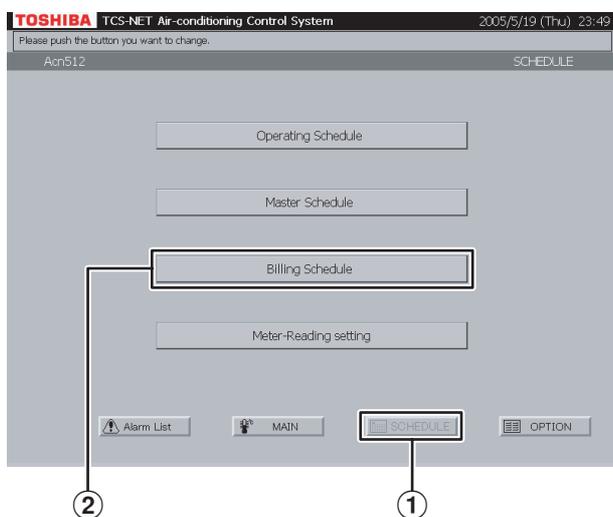


When not selecting (6) (7) (6)

HOW TO OPERATE (continued)

Checking/Setting Billing Schedule (continued)

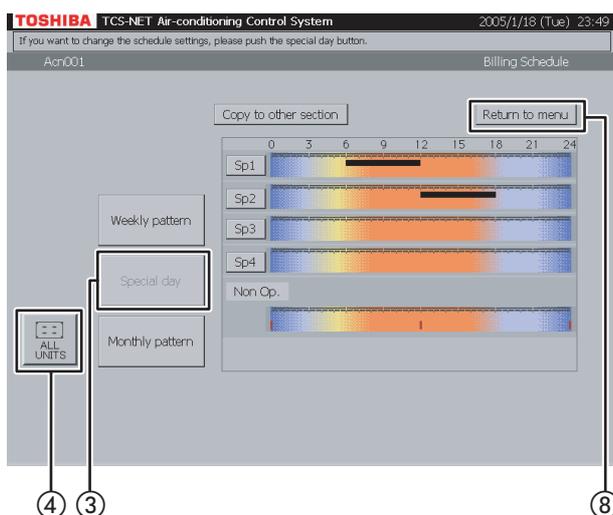
Fig. 30-1 Schedule Screen



30 Checking special-day pattern

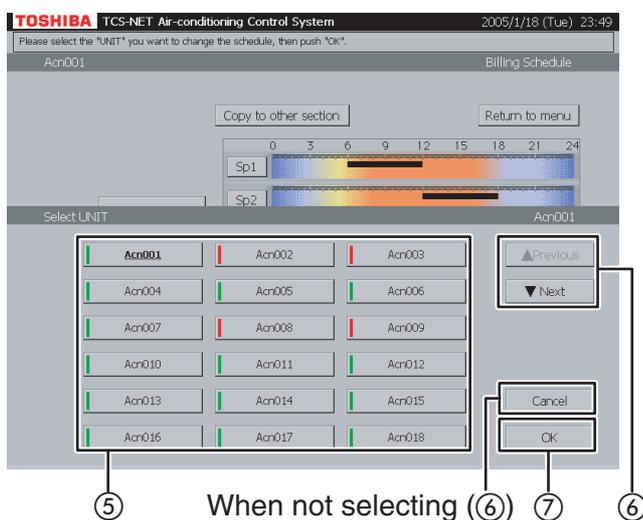
- ① Push [SCHEDULE].
The Schedule screen (Fig. 30-1) appears.
- ② Push [Billing Schedule].
The screen (Fig. 30-2) appears.
- ③ Push [Special day].
Black line ON to OFF
Green line ON only
Red line OFF only

Fig. 30-2 Checking Special-day y Pattern



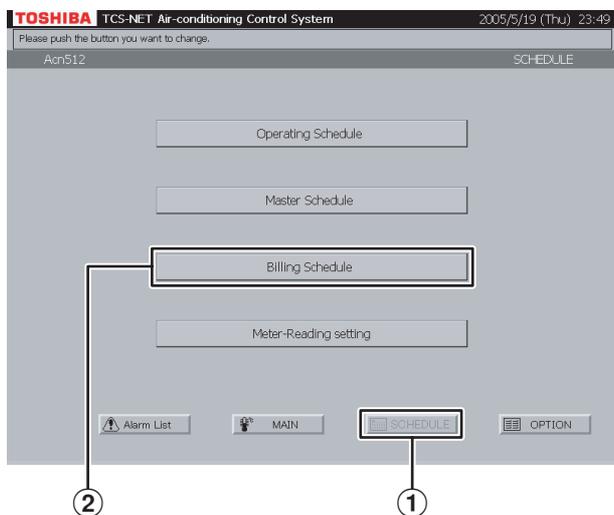
- ④ To check schedules of other air conditioners, push [ALL UNITS].
The screen (Fig. 30-3) appears.
- ⑤ Choose an air conditioner whose schedule you want to check.
- ⑥ When the unit list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
If you choose no air conditioner, push [Cancel].
- ⑦ Push [OK]. The schedule of the selected air conditioner is displayed.
- ⑧ Push [Return to menu] to return to the Schedule screen (Fig. 30-1).

Fig. 30-3 Selection from All Units



When not selecting (6) (7) (8)

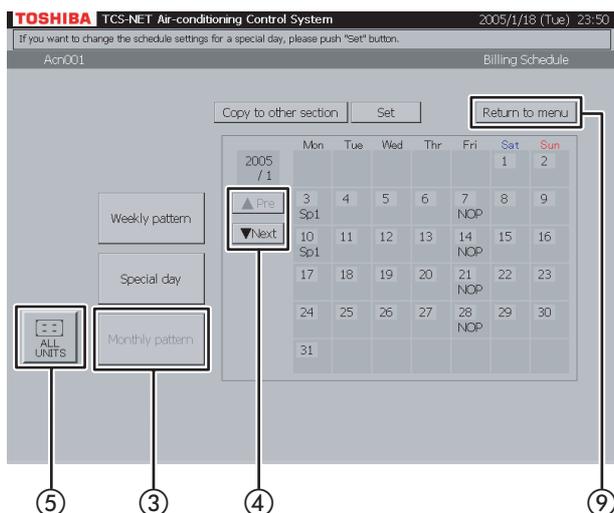
Fig. 31-1 Schedule Screen



31 Checking monthly pattern

- ① Push [SCHEDULE].
The Schedule screen (Fig. 31-1) appears.
- ② Push [Billing Schedule].
The screen (Fig. 31-2) appears.
- ③ Push [Monthly pattern]. A calendar of the current month appears for monthly pattern check.
- ④ Use the [▲ Pre] and [▼ Next] buttons to display other months (12 months including the current month).

Fig. 31-2 Checking Monthly Pattern



- ⑤ To check schedules of other air conditioners, push [ALL UNITS].
The screen (Fig. 31-3) appears.
- ⑥ Choose an air conditioner whose schedule you want to check.
- ⑦ When the unit list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
If you cancel the selection, push [Cancel].
- ⑧ Push [OK]. The monthly pattern of the selected air conditioner is displayed.
- ⑨ Push [Return to menu] to return to the Schedule screen (Fig. 31-1).

Fig. 31-3 Selection from All Units

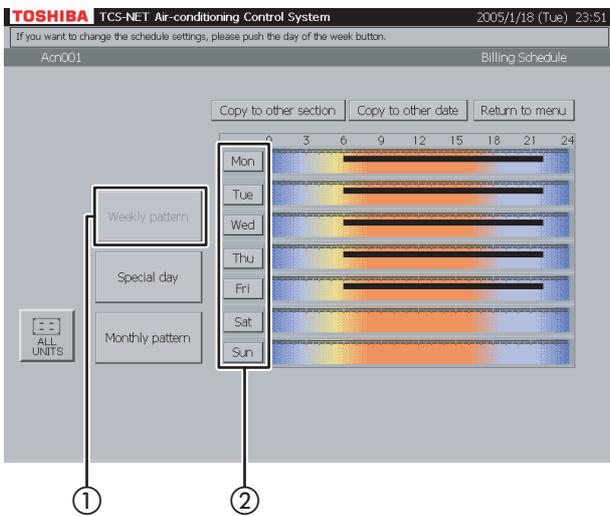


When canceling selection (7) 8 7

HOW TO OPERATE (continued)

Checking/Setting Billing Schedule (continued)

Fig. 32-1 Weekly Pattern Check Screen



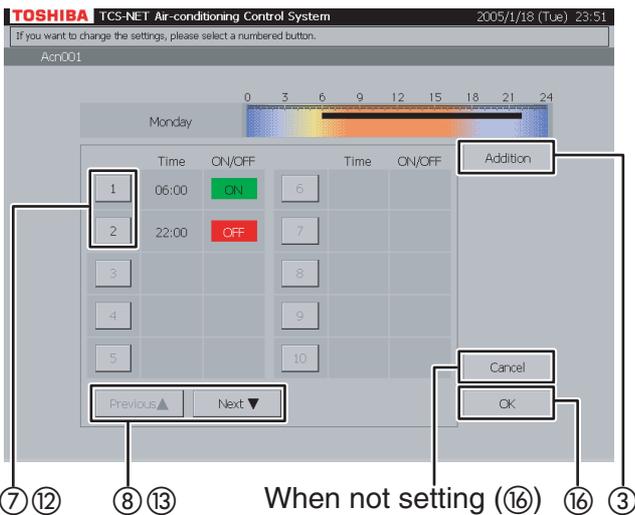
32 Setting weekly pattern

- ① Push [Weekly pattern].
- ② Push the button of a day of the week you want to set.
The Weekly Pattern Setting screen (Fig. 32-2) appears.

<Addition>

- ③ Push [Addition].
The Billing Schedule Detail Setting screen (Fig. 32-3) appears.
- ④ Set time for operation ON or OFF with the ▲ and ▼ buttons.
- ⑤ Push [ON] to run or [OFF] to stop.
To undo the setting to the previous state, push [Undo].
- ⑥ Confirm the setting, and then push [OK] on the Detail Setting screen.
If you do not add the weekly pattern, push [Cancel] on the Detail Setting screen.

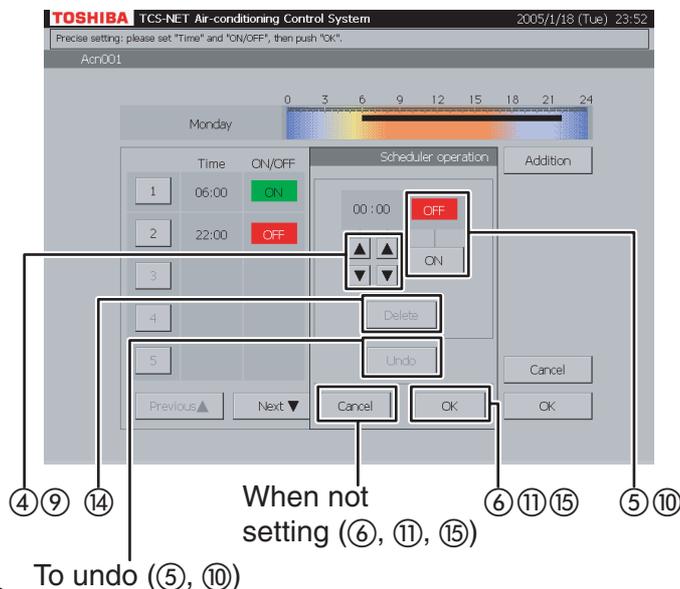
Fig. 32-2 Weekly Pattern Setting Screen



<Change>

- ⑦ Push a number (1 to 20) whose weekly pattern you want to change.
The schedule list ranges on two pages.
- ⑧ Switch the list using the [Previous ▲] and [Next ▼] buttons.

Fig. 32-3 Billing Schedule Detail Setting Screen

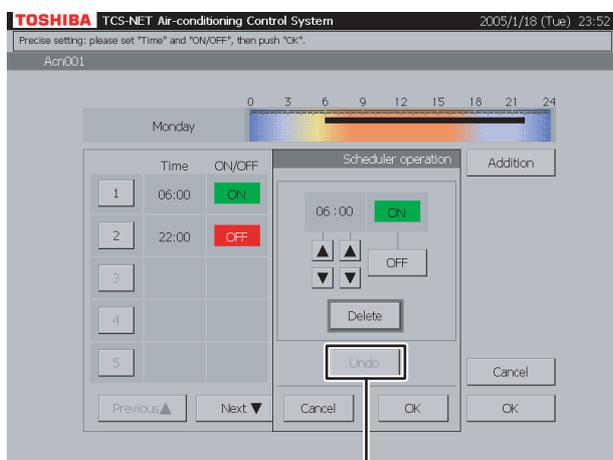


When not setting (⑥, ⑪, ⑮)

To undo (⑤, ⑩)

- The Detail Setting screen (Fig. 32-3) appears.
- ⑨ To change ON or OFF time, use the ▲ and ▼ buttons.
 - ⑩ Push [ON] or [OFF] to change ON/OFF mode.
To undo the changed setting to the previous state, push [Undo].
 - ⑪ Confirm the setting, and then push [OK] on the Detail Setting screen.
If you do not change the weekly pattern, push [Cancel] on the Detail Setting screen.

Fig. 32-4 Billing Schedule Detail Setting Screen (Delete Operation)



To undo (14)

<Delete>

- ⑫ Push a number (1 to 20) whose weekly pattern you want to change.
The schedule list ranges on two pages.
- ⑬ Switch the list using the [Previous ▲] and [Next ▼] buttons.

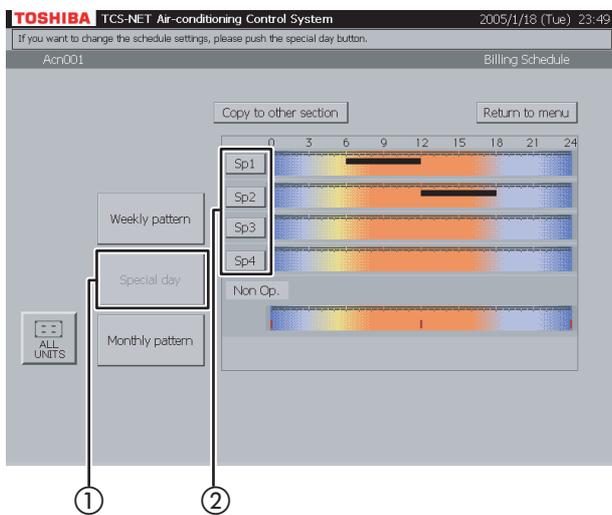
The Detail Setting screen (Fig. 32-3) appears.

- ⑭ Push [Delete].
The outline of the [Delete] button is highlighted gray (Fig. 32-4).
To undo the deletion to the previous state, push [Undo].
- ⑮ Push [OK] on the Detail Setting screen to delete the selected weekly pattern.
If you do not delete the weekly pattern, push [Cancel] on the Detail Setting screen.
- ⑯ Confirm the addition, change or deletion setting, and then push [OK].
If you cancel the addition, change or deletion setting, push [Cancel].

HOW TO OPERATE (continued)

Checking/Setting Billing Schedule (continued)

Fig. 33-1 Special-day Pattern Check Screen



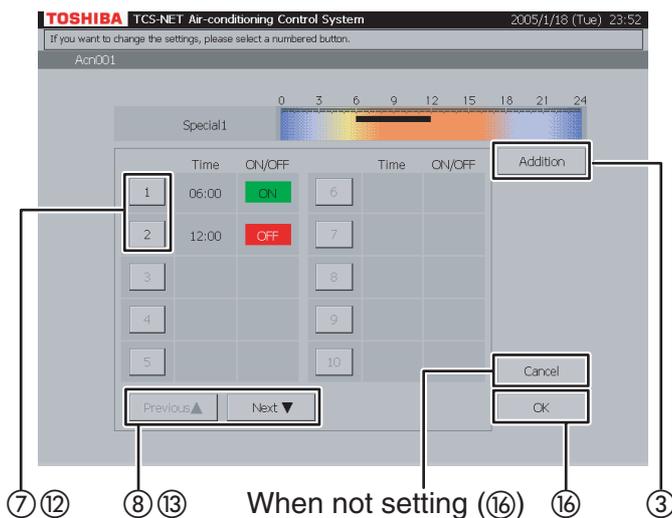
33 Setting special-day pattern

- ① Push [Special day].
- ② Push a special-day button ([Sp1] to [Sp4]) you want to set.
The Special-day Pattern Setting screen (Fig. 33-2) appears.

<Addition>

- ③ Push [Addition].
The Billing Schedule Detail Setting screen (Fig. 33-3) appears.
- ④ Set time for operation ON or OFF with the ▲ and ▼ buttons.
- ⑤ Push [ON] to run or [OFF] to stop.
To undo the setting to the previous state, push [Undo].
- ⑥ Confirm the setting, and then push [OK] on the Detail Setting screen.
If you do not add the special-day pattern, push [Cancel] on the Detail Setting screen.

Fig. 33-2 Special-day Pattern Setting Screen

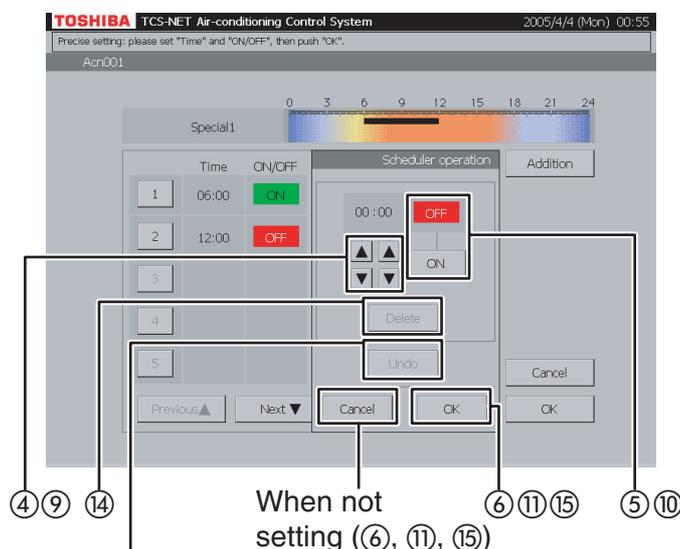


<Change>

- ⑦ Push a number (1 to 20) whose pattern you want to change.
The schedule list ranges on two pages.
- ⑧ Switch the list using the [Previous ▲] and [Next ▼] buttons.

The Detail Setting screen (Fig. 33-3) appears.

Fig. 33-3 Billing Schedule Detail Setting Screen

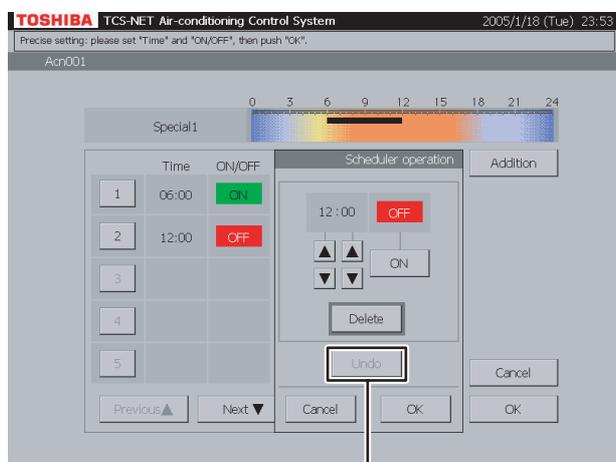


- ⑨ To change ON or OFF time, use the ▲ and ▼ buttons.
- ⑩ Push [ON] or [OFF] to change ON/OFF mode.
To undo the changed setting to the previous state, push [Undo].
- ⑪ Confirm the setting, and then push [OK] on the Detail Setting screen.
If you do not change the pattern, push [Cancel] on the Detail Setting screen.

When not setting (⑥, ⑪, ⑮)

To undo (⑤, ⑩)

Fig. 33-4 Billing Schedule Detail Setting Screen (Delete Operation)



To undo (14)

<Delete>

- ⑫ Push a number (1 to 20) whose pattern you want to delete.
The schedule list ranges on two pages.
- ⑬ Switch the list using the [Previous ▲] and [Next ▼] buttons.

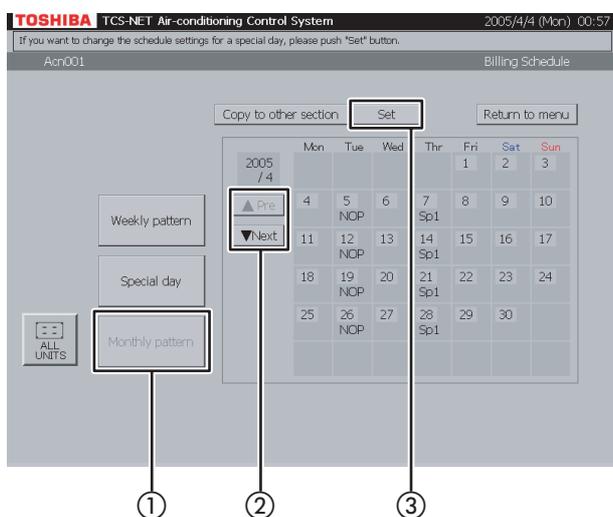
The Detail Setting screen (Fig. 33-3) appears.

- ⑭ Push [Delete].
The outline of the [Delete] button is highlighted gray (Fig. 33-4).
To undo the deletion to the previous state, push [Undo].
- ⑮ Push [OK] on the Detail Setting screen to delete the selected pattern.
If you do not delete the pattern, push [Cancel] on the Detail Setting screen.
- ⑯ Confirm the addition, change or deletion setting, and then push [OK].
If you cancel the addition, change or deletion setting, push [Cancel].

HOW TO OPERATE (continued)

Checking/Setting Billing Schedule (continued)

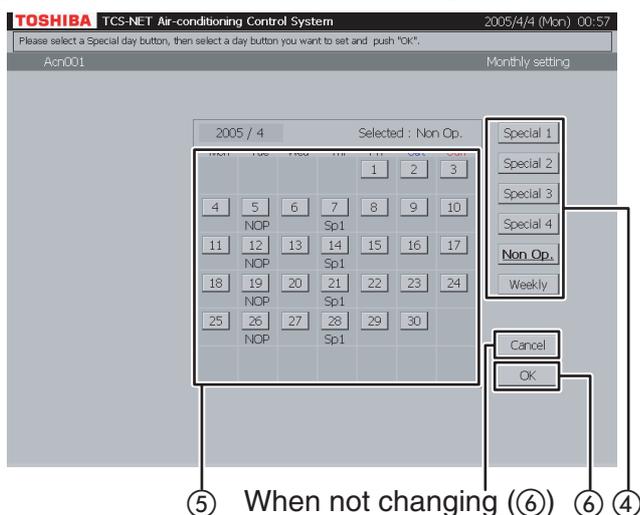
Fig. 34-1 Monthly Pattern Check Screen



34 Setting monthly pattern

- ① Push [Monthly pattern].
- ② Display a month whose pattern you want to set using the [▲ Pre] and [▼ Next] buttons.
- ③ Push [Set].
The Monthly Pattern Setting screen (Fig. 34-2) appears.
- ④ Choose a pattern (Special 1 to 4, Non Op. or Weekly).
- ⑤ When you choose a date button whose pattern you want to set, the selected pattern is set for the day.
A weekly pattern (normal pattern) based on days of the week is applied to the days with no indication (Sp1 to 4, NOP).

Fig. 34-2 Monthly Pattern Setting Screen



- ⑥ Push [OK] to change the setting, or push [Cancel] when not changing the setting.
To re-set the patterns of special days and non-operation days on the calendar to weekly pattern, push the pattern button [Weekly].
Indications (Sp1 to 4, NOP) disappear and a weekly pattern schedule based on days of the week becomes effective.

Fig. 35-1 Billing Schedule Check Screen



35 Copy to other section

- ① Push [Copy to other section].
The screen (Fig. 35-2) appears.

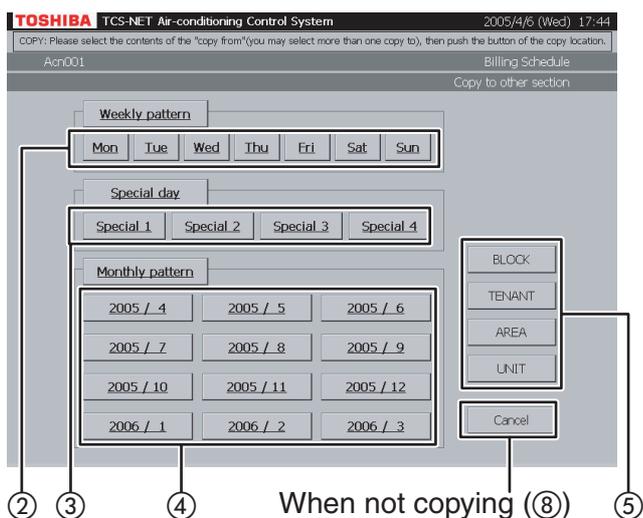
<Copying weekly pattern>

- ② Choose one or more days of the week you want to copy ([Mon] to [Sun]).
To choose all days of the week, push [Weekly pattern].

<Copying special-day pattern>

- ③ Choose one or more special days you want to copy ([Special 1] to [Special 4]).
To choose all special days, push [Special day].

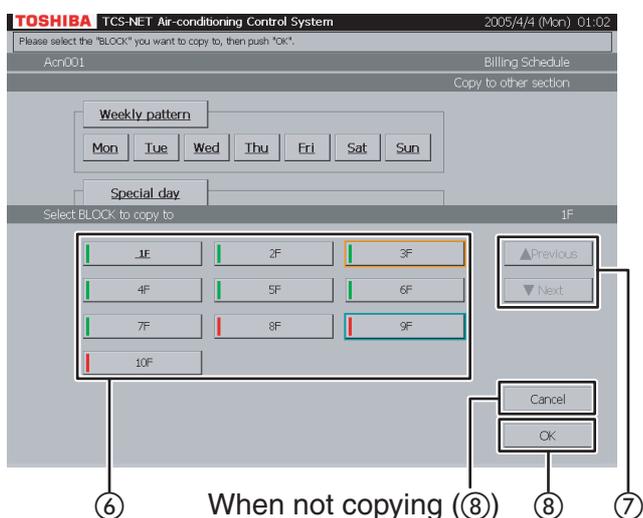
Fig. 35-2 “Copy to Other Section” Screen



<Copying monthly schedule>

- ④ Choose one or more months you want to copy ([2005 / 1] to [2005 / 12]).
To choose all months, push [Monthly pattern].
To cancel the selection, push the selected buttons.
- ⑤ Push [BLOCK] to copy pattern/schedule to a block. A block list is displayed (Fig. 35-3).
- ⑥ Choose a copy destination from the list.

Fig. 35-3 Block Select Screen



- ⑦ When the list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
- ⑧ Push [OK] to perform the selected copy.
If you cancel the selected copy on the screen of Fig. 35-3, 35-4, 35-5, or 35-6, push [Cancel]. The screen of Fig. 35-2 reopens.
If you cancel the selected copy on the screen of Fig. 35-2, push [Cancel]. The Billing Schedule Check screen (Fig. 35-1) reopens.

HOW TO OPERATE (continued)

Checking/Setting Billing Schedule (continued)

Fig. 35-4 Tenant Select Screen

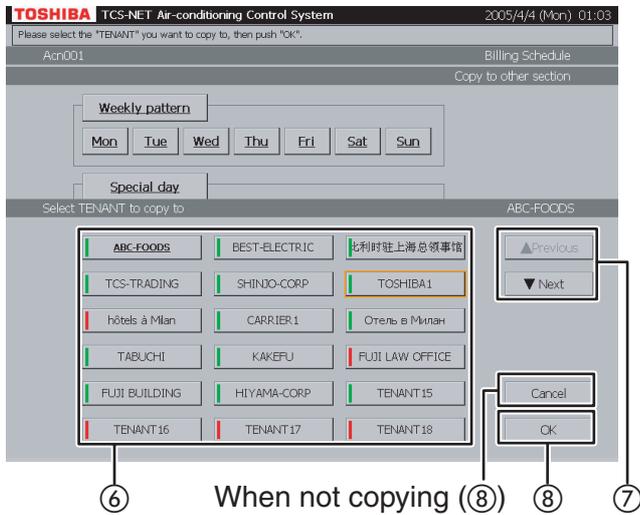


Fig. 35-5 Area Select Screen

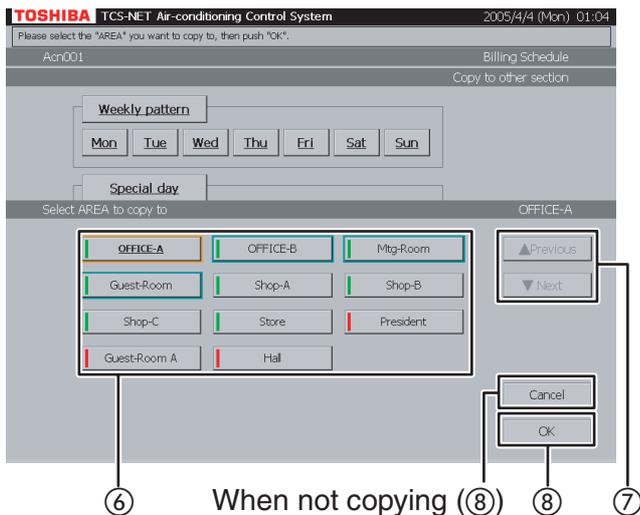
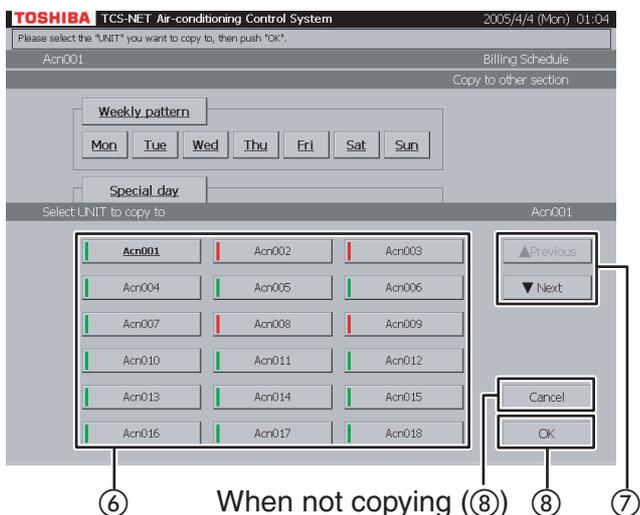
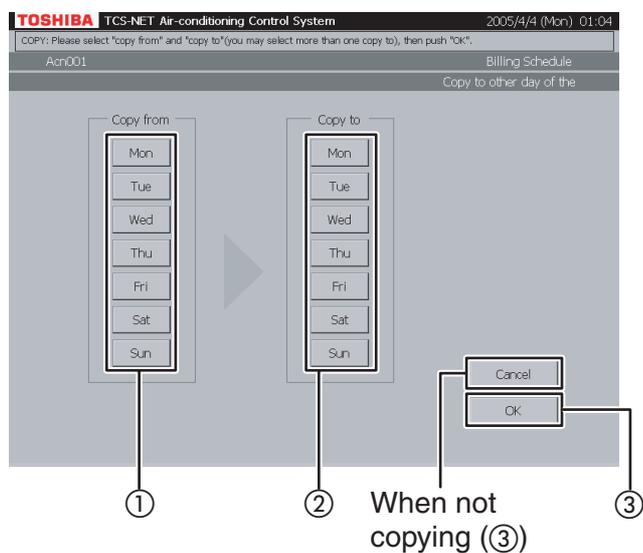


Fig. 35-6 Unit Select Screen



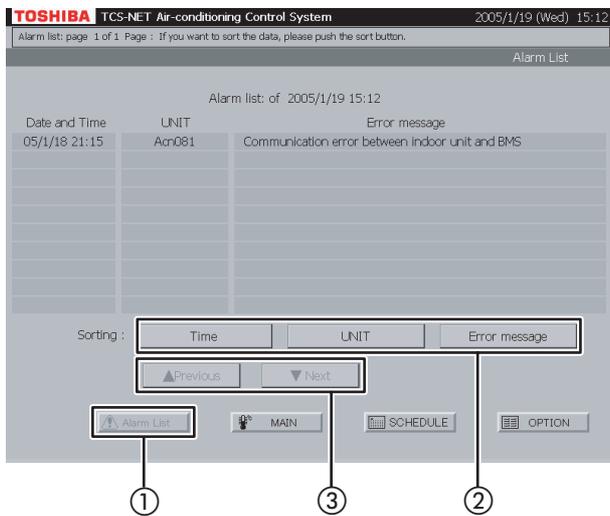


36 Copy to other day of the week

- ① Choose a day of the week of copy origin.
- ② Choose one or more days of the week of copy destination.
- ③ Push [OK] to perform the copy.
If you cancel the copy, push [Cancel].

HOW TO OPERATE (continued)

Checking Alarms of Air Conditioners

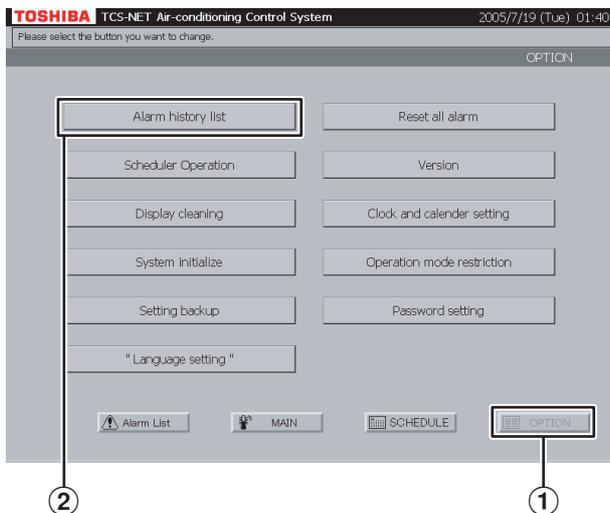


37 Checking alarms in the list

- ① Push [Alarm List] to monitor current alarms.
- ② Push [Time] to sort alarms chronologically from the latest.
Push [UNIT] to sort alarms in the order of air conditioner number.
Push [Error message] to sort alarms by category.
- ③ Switch the alarm list using the [▲ Previous] and [▼ Next] buttons.

Other Settings

Fig. 38-1 Menu Screen



38 Alarm history list

A list of alarm history is displayed. It can be sorted in a chronological order, in the order of air conditioner number, or by alarm category.

- ① Push [OPTION]. The Menu screen (Fig. 38-1) appears.
To return to the Monitoring screen, push [MAIN].
- ② Push [Alarm history list]. The Alarm History List screen (Fig. 38-2) appears.
- ③ Push [Time] to sort alarms chronologically from the latest.
Push [UNIT] to sort alarms in the order of air conditioner number.
Push [Error message] to sort alarms by category.
- ④ Switch the alarm history list using the [▲ Previous] and [▼ Next] buttons.
- ⑤ To return to the Menu screen (Fig. 38-1), push [OPTION].

Fig. 38-2 Alarm History List Screen

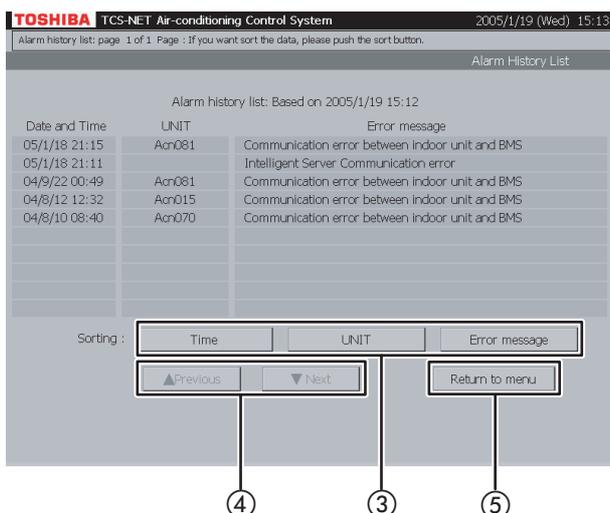
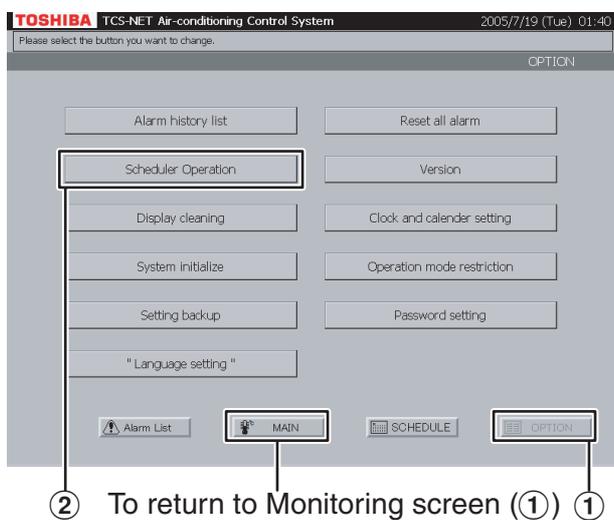


Fig. 39-1 Menu Screen

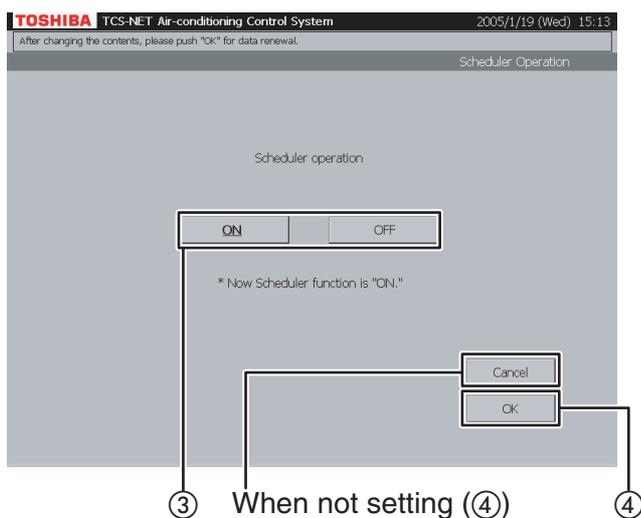


39 Setting scheduler operation

You can set whether to enable scheduler operation.

- ① Push [OPTION]. The Menu screen (Fig. 39-1) appears.
To return to the Monitoring screen, push [MAIN].
- ② Push [Scheduler Operation]. The Scheduler Operation Setting screen (Fig. 39-2) appears.
- ③ Select [ON] to enable scheduler operation, or [OFF] when not using scheduler operation.
- ④ Push [OK].
If you do not set the scheduler operation, push [Cancel].

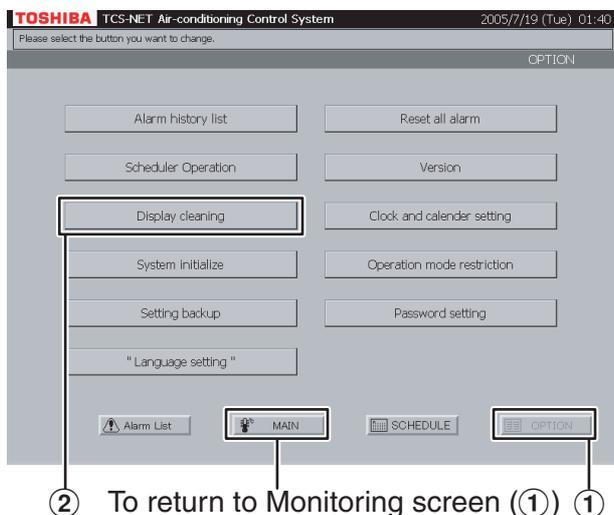
Fig. 39-2 Scheduler Operation Setting Screen



HOW TO OPERATE (continued)

Other Settings (continued)

Fig. 40-1 Menu Screen



40 Cleaning display screen

- ① Push [OPTION]. The Menu screen (Fig. 40-1) appears.
To return to the Monitoring screen, push [MAIN].
- ② Push [Display cleaning]. The Display Cleaning screen (Fig. 40-2) appears for 30 seconds. Clean the display screen during this time period because all the buttons are disabled even if they are touched.
After the time period, the Monitoring screen (block indication) appears. Do not touch the screen until the Monitoring screen is displayed.

Fig. 40-2 Display Cleaning Screen

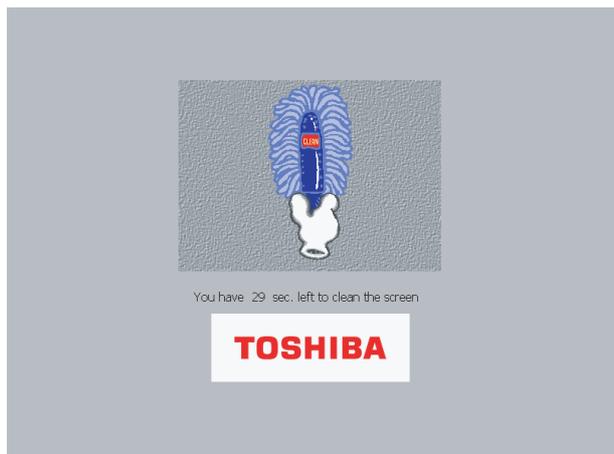
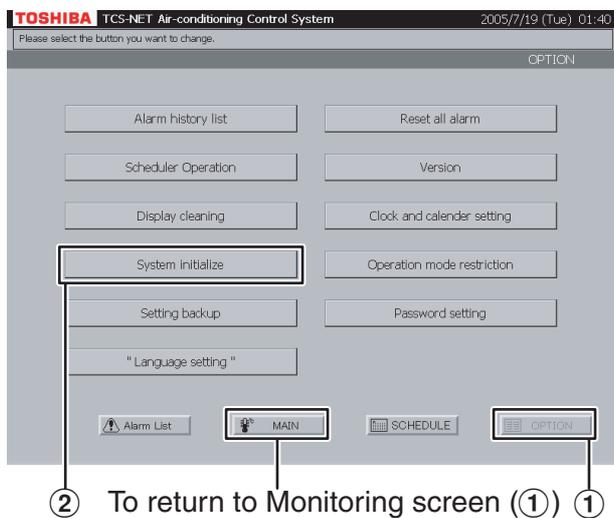


Fig. 41-1 Menu Screen

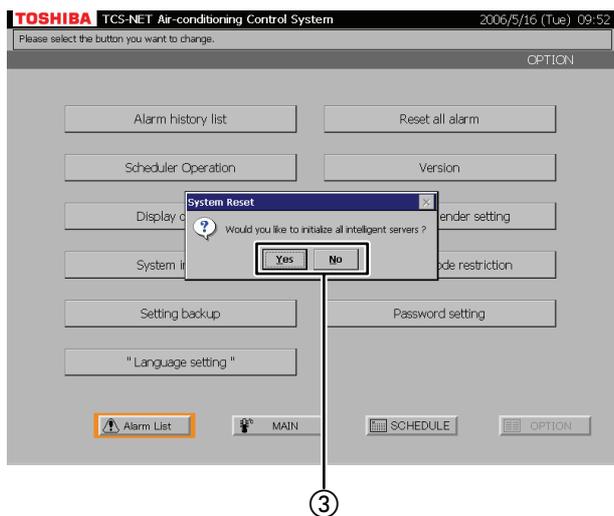


41 System reset

This menu is provided to reboot the system by resetting all the settings of the server.

- ① Push [OPTION]. The Menu screen (Fig. 41-1) appears.
To return to the Monitoring screen, push [MAIN].
- ② Push [System initialize]. A confirmation message appears as shown in the Confirmation Message screen (Fig. 41-2).
- ③ Push [Yes] to reset the system.
Push [No] to return to the Menu screen (Fig. 41-1) without resetting the system.

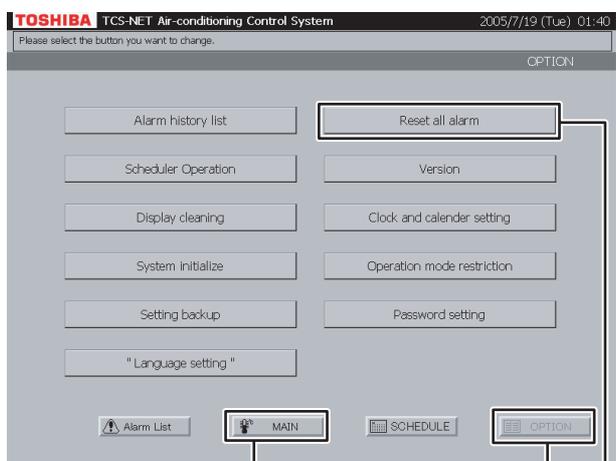
Fig. 41-2 Confirmation Message Screen



HOW TO OPERATE (continued)

Other Settings (continued)

Fig. 42-1 Menu Screen



To return to Monitoring screen (1)

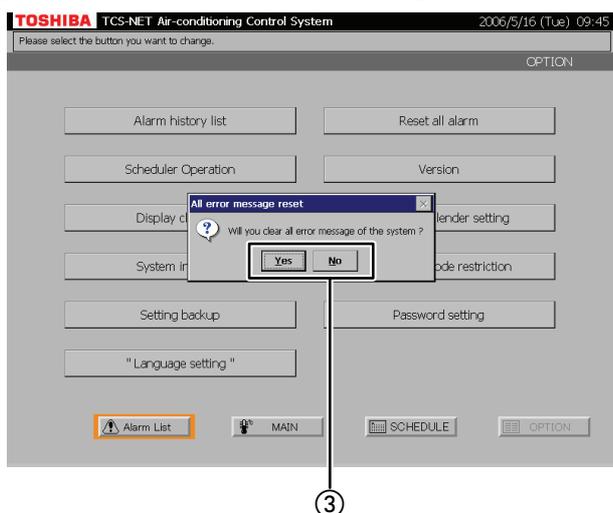
1 2

42 Resetting all alarms

This menu is provided to clear all alarm signals by transmitting an alarm clear signal to all air conditioners.

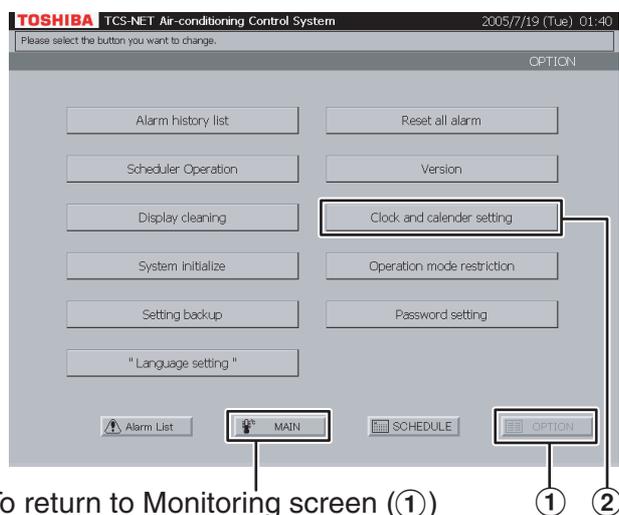
- 1 Push [OPTION]. The Menu screen (Fig. 42-1) appears.
To return to the Monitoring screen, push [MAIN].
- 2 Push [Reset all alarm]. A confirmation message appears as shown in the Confirmation Message screen (Fig. 42-2).
- 3 Push [Yes] to clear alarm signals.
Push [No] to return to the Menu screen (Fig. 42-1) without clearing alarm signals.

Fig. 42-2 Confirmation Message Screen



3

Fig. 43-1 Menu Screen

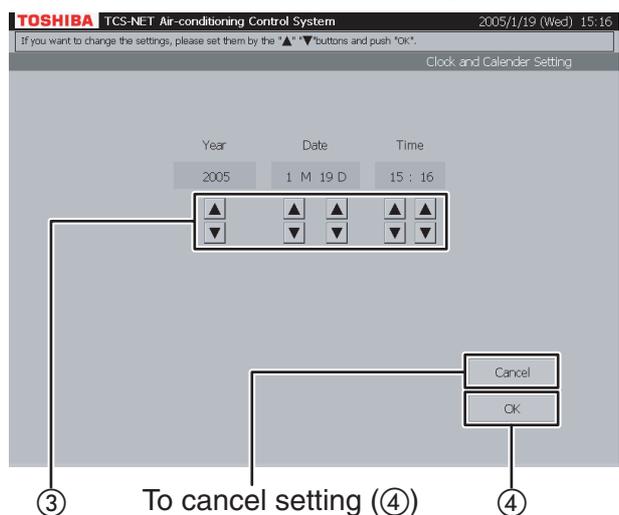


43 Synchronizing system clock

This menu is provided to set the built-in clock of the computer.

- ① Push [OPTION]. The Menu screen (Fig. 43-1) appears.
To return to the Monitoring screen, push [MAIN].
- ② Push [Clock and calendar setting]. The Clock/Calendar Setting screen (Fig. 43-2) appears.
- ③ Set year, month, day, and time with the ▲ and ▼ buttons.
- ④ Confirm the setting, and then push [OK].
To cancel the setting, push [Cancel].

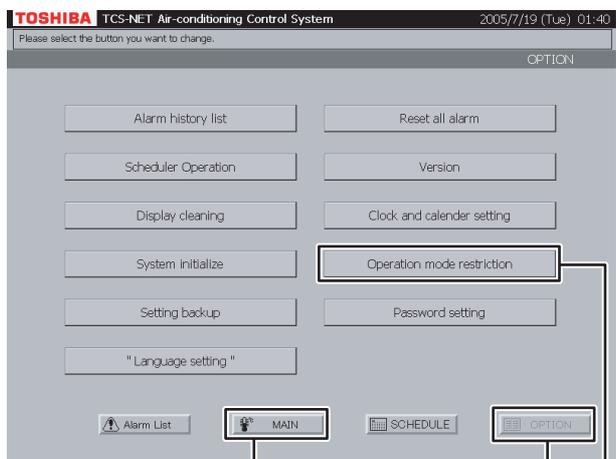
Fig. 43-2 Clock/Calendar Setting Screen



HOW TO OPERATE (continued)

Other Settings (continued)

Fig. 44-1 Menu Screen



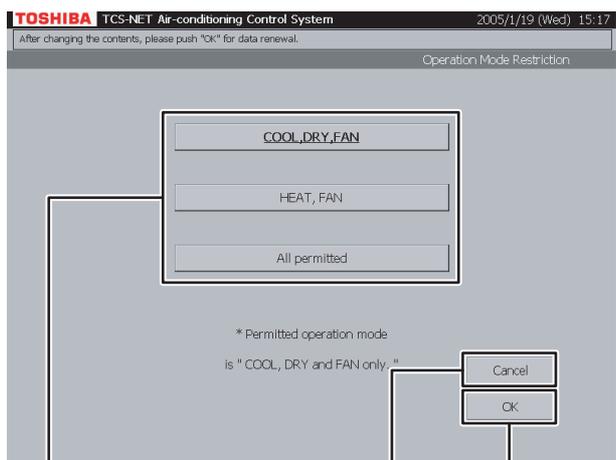
To return to Monitoring screen (①)

44 Selecting cooling or heating mode

This menu is provided to limit the operation mode to the cooling (COOL/DRY/FAN) or heating (HEAT/FAN) mode only. This menu is useful to prohibit cooling or heating for multiple air conditioners.

- ① Push [OPTION]. The Menu screen (Fig. 44-1) appears.
To return to the Monitoring screen, push [MAIN].
- ② Push [Operation mode restriction]. The Operation Mode Select screen (Fig. 44-2) appears.

Fig. 44-2 Operation Mode Select Screen

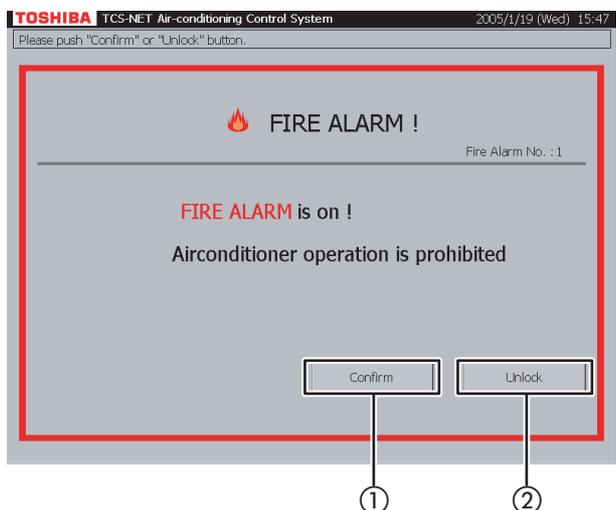


To cancel setting (④)

- ③ Push [COOL, DRY, FAN] to permit the COOL, DRY and FAN only modes.
Push [HEAT, FAN] to permit the HEAT and FAN only modes.

When permitting all operation modes, push [All permitted].

- ④ Confirm the setting, and then push [OK].
To cancel the setting, push [Cancel].

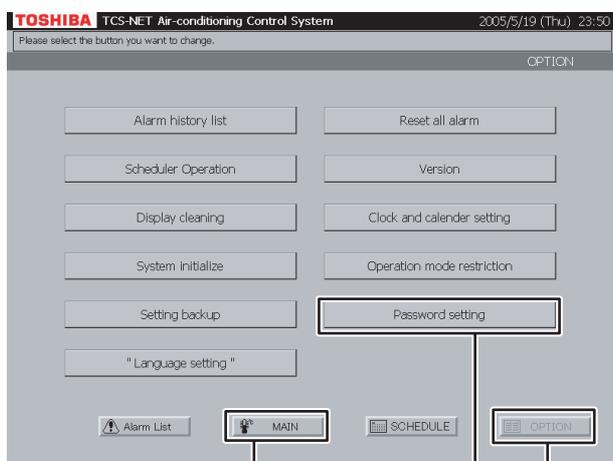


45 Fire alarm indication

Interlocking with a fire alarm, this system indicates a fire alarm message in the event of fire. In this case, operation of all air conditioners is prohibited automatically.

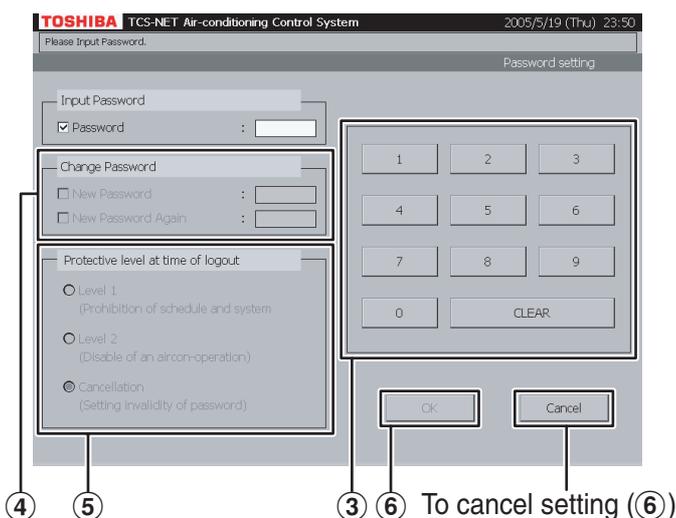
- ① Push [Confirm] to return to the previous screen.
- ② Push [Unlock] to reset the operation prohibition setting.

Fig. 46-1 Menu Screen



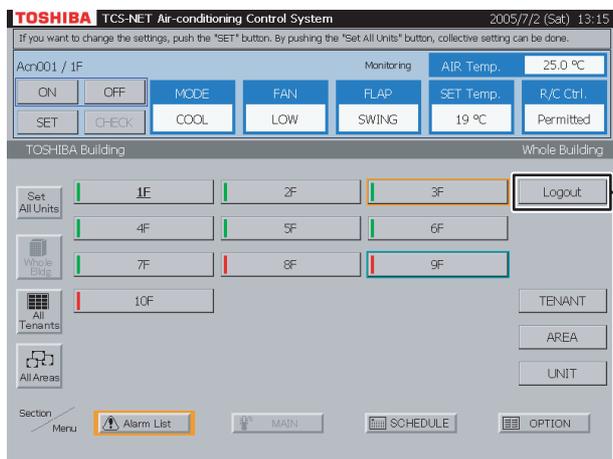
To return to Monitoring screen (1) 2 1

Fig. 46-2 Password setting screen



To cancel setting (6)

Fig. 46-3 Monitor screen



7

46 Operation restrictions by password

Used when operating an air conditioner until you enter a password to log in the system or when prohibiting the setting and checking performed using [SCHEDULE] and [OPTION] buttons.

- ① Push [OPTION]. The Menu screen (Fig. 46-1) appears.
To return to the Monitoring screen, push [MAIN].
- ② Push [Password setting]. The Password Setting Screen (Fig. 46-2) appears.
- ③ Enter a password consisting of four-digit numbers using a numeric button.
The initialized password is "1048".
- ④ To change a password, click the New Password check box and then enter a new password consisting of four-digit numbers.
Click the New Password Again check box and enter the same password again.
- ⑤ Select the range of the function to be limited during logout operation.

Level 1 : Prohibits the setting and checking performed using [SCHEDULE] and [OPTION] buttons.
(An air conditioner can be set and operated in this case.)

Level 2 : Prohibits the setting and operation of an air conditioner and the setting and checking performed using [SCHEDULE] and [OPTION] buttons.

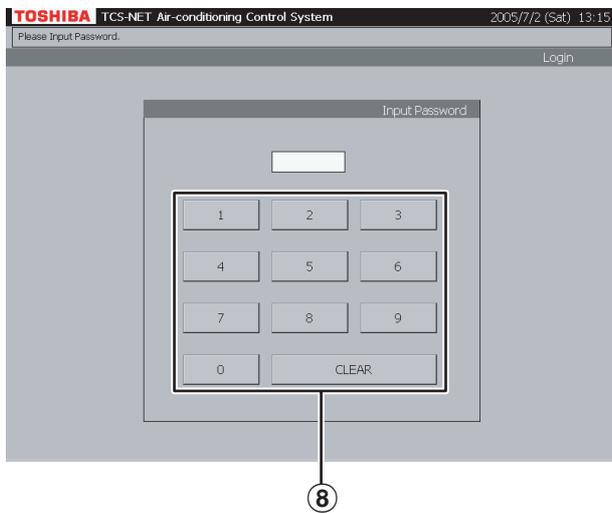
Cancellation : Limits no function by a password.

- ⑥ Check the contents of setting and push [OK].
To cancel the setting, push [Cancel].
- ⑦ Push [Main] to return to the Monitor Screen (Fig. 46-3) and push [Logout]. The operation in the selected range (Level 1 or Level 2) cannot be done in this case. [Logout] is then switched to [Login].
Push [Login]. The Password Input Screen (Fig. 46-4) appears.
The Password Input Screen (Fig. 46-4) appears when operation is not done for five minutes even if you do not push [Logout]. (Automatic logout)

HOW TO OPERATE (continued)

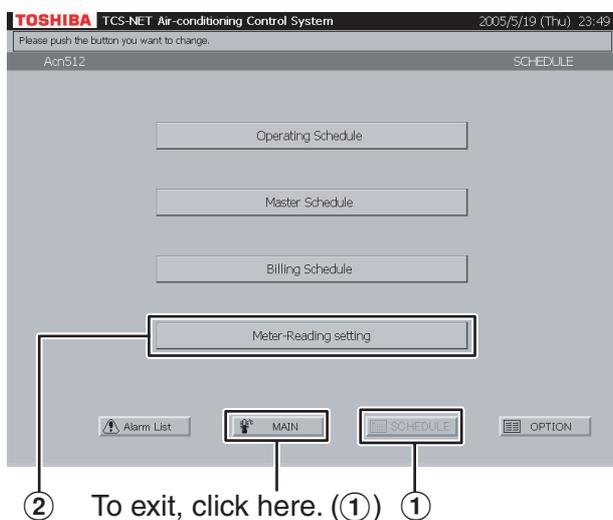
Other Settings (continued)

Fig. 46-4 Password input screen



- ⑧ Enter a correct password consisting of four-digit numbers to log in the system. You can enter no password for 30 minutes when you enter a password incorrectly three times. In this case, you cannot log in the system. (Lock out)

Fig. 47-1 Schedule screen



47 Change and checking of automatic meter-reading date

- ① Push [SCHEDULE].
The Schedule Screen (Fig. 47-1) appears.
To exit, push [MAIN].
- ② Push [Meter-Reading setting].
The Meter-Reading Setting Screen (Fig. 47-2) appears.
- ③ Display the month, which you want to change and check, using [▲ Pre] and [▼ Next] buttons.
The set automatic meter-reading date is displayed with “★”.
- ④ To delete the set meter-reading date, push the [Date] button of the corresponding date.
Select the [Date] button of the date which you want to set in an automatic meter-reading date.
A meter-reading date is set to the corresponding date.
A maximum of two days can be set for a meter-reading date within the month.
- ⑤ To return the set or deleted meter-reading date to the former date, push [Undo].
- ⑥ Push [Return to menu] to return to the Schedule Screen (Fig. 47-1).

Fig. 47-2 Meter-Reading setting screen

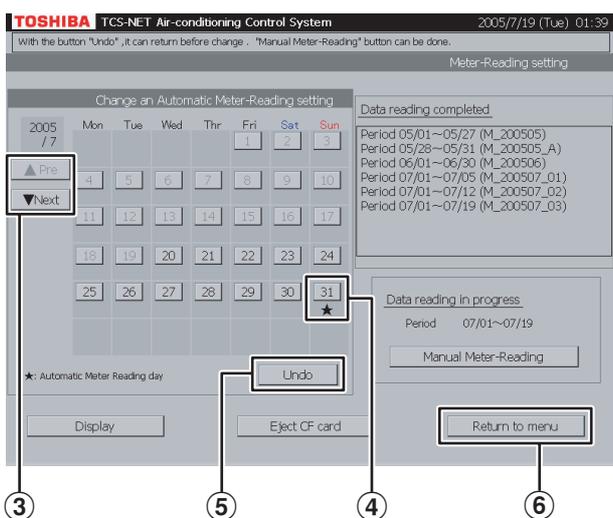
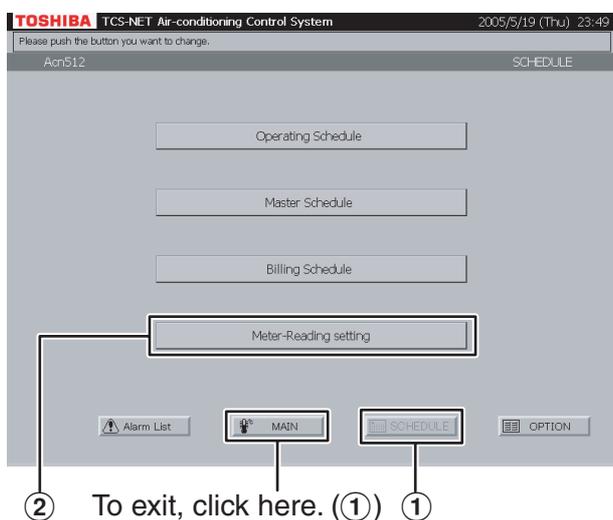


Fig. 48-1 Schedule screen



48 Manual Meter-Reading

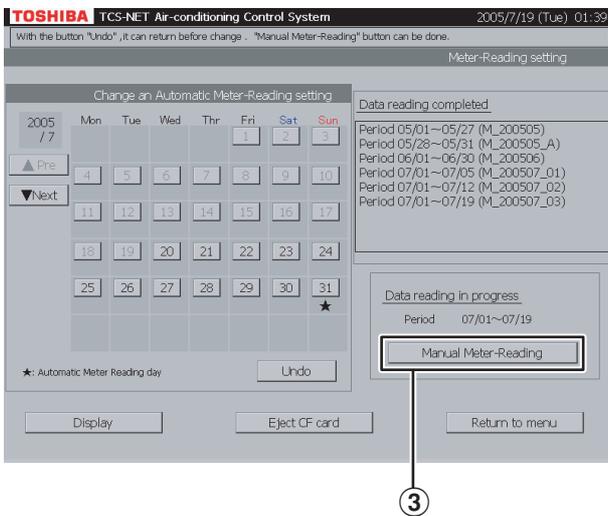
Used when you want to totalize data or temporarily totalize it before an automatic meter-reading date.

- ① Push [SCHEDULE].
The Schedule Screen (Fig. 48-1) appears.
To exit, push [MAIN].
- ② Push [Meter-Reading setting].
The Manual Meter-Reading Screen (Fig. 48-2) appears.

HOW TO OPERATE (continued)

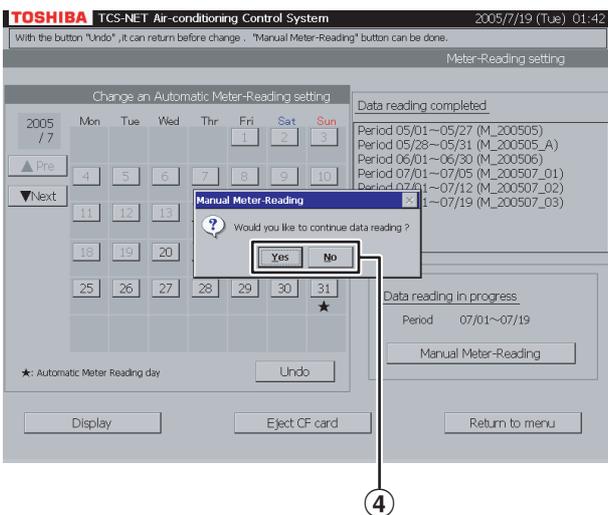
Other Settings (continued)

Fig. 48-2 Meter-Reading setting screen



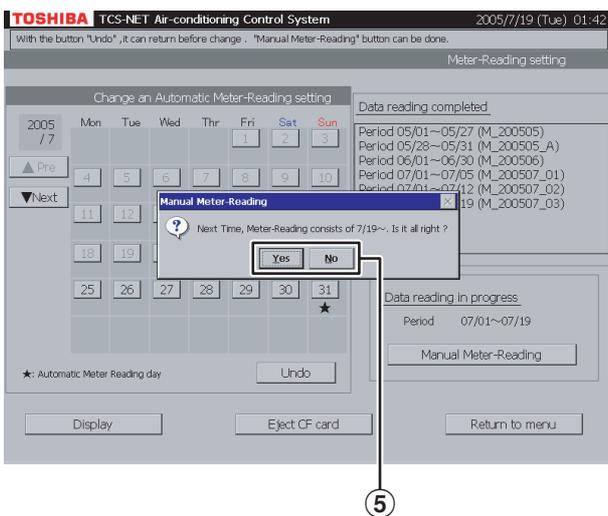
- Push [Manual Meter-Reading] to totalize the data between the previous and current meter-reading dates. A confirmation message for the Would you like to continue data reading? screen (Fig. 48-3) is displayed.

Fig. 48-3 Would you like to continue data reading? screen



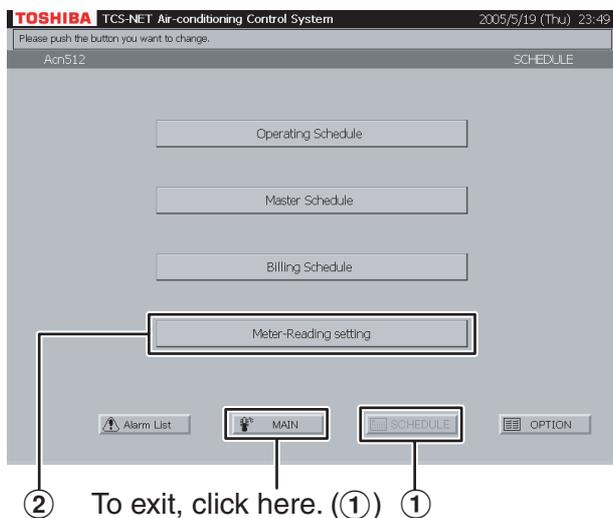
- Push [Yes] to perform integration continuously without clearing the integrated value of operation time and proportional power sharing after data is totalized. Push [No] to display a confirmation message for the Next Time, Meter-Reading consists of xx/xx ~ screen (Fig. 48-4).

Fig. 48-4 Next Time, Meter-Reading consists of xx/xx ~ screen



- Push [Yes] to reset the integrated value of operation time and proportional power sharing and start integration after data is totalized. Push [No] to perform integration continuously without clearing the integrated value of operation time and proportional power sharing after data is totalized.

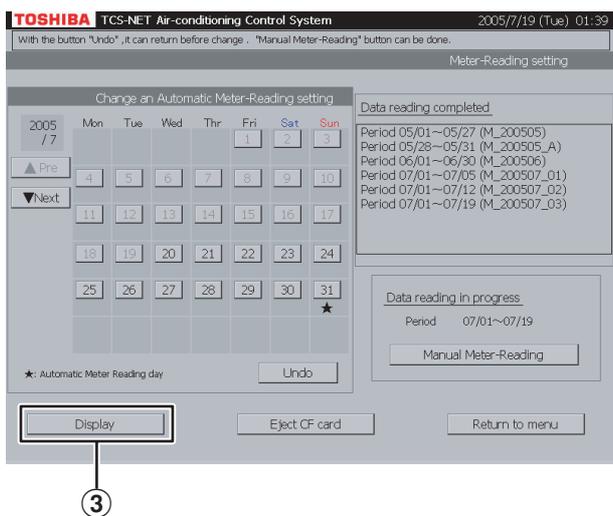
Fig. 49-1 Schedule screen



49 Display of integrated operation time

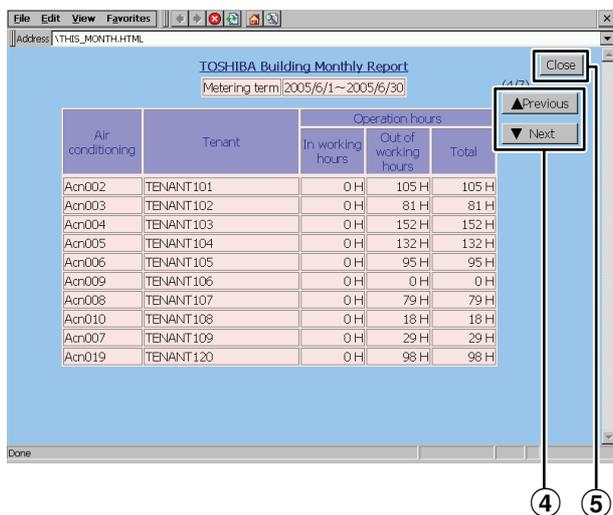
- ① Push [SCHEDULE].
The Schedule Screen (Fig. 49-1) appears.
To exit, push [MAIN].
- ② Push [Meter-Reading setting].
The Meter-Reading Setting Screen (Fig. 49-2) appears.

Fig. 49-2 Meter-Reading setting screen



- ③ Push [Display] to display the Latest Data Reading Completed (Fig. 49-3).

Fig. 49-3 Latest data reading completed screen

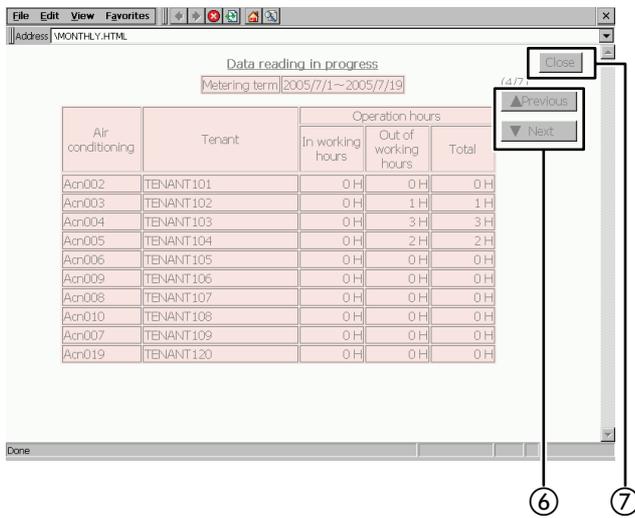


- ④ Push [▲ Previous] and [▼ Next] to operate the list display.
- ⑤ Push [Close] to terminate the display of the latest meter-read data and display the Data Reading in Progress screen (Fig. 49-4).

HOW TO OPERATE (continued)

Other Settings (continued)

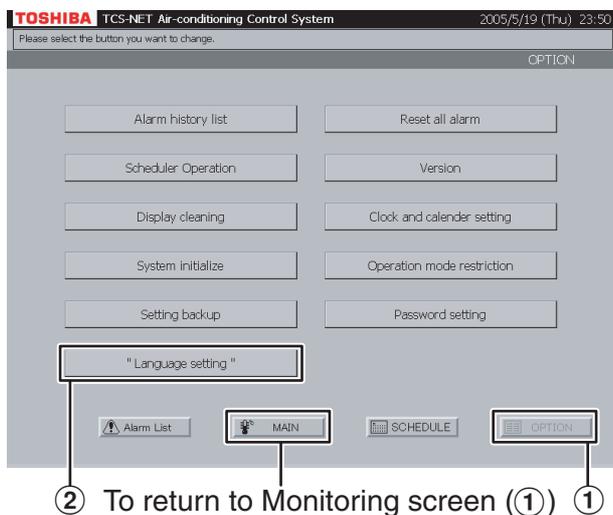
Fig. 49-4 Data reading in progress screen



⑥ Push [▲ Previous] and [▼ Next] to operate the list display.

⑦ Push [Close] to terminate the display of data reading in progress and return to the Meter-Reading Setting Screen (Fig. 49-2).

Fig. 50-1 Menu Screen



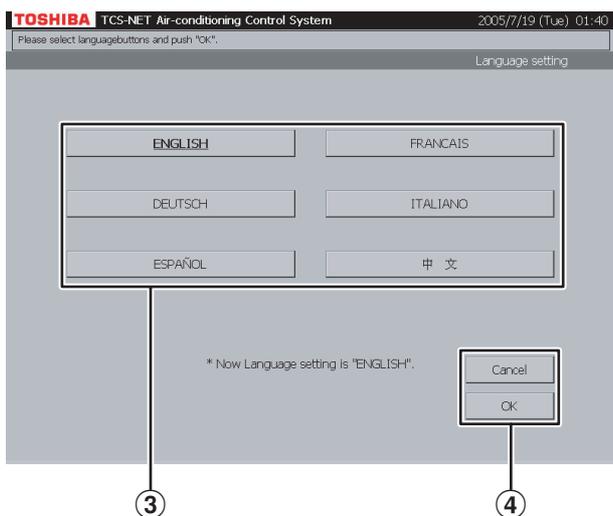
② To return to Monitoring screen (①)

50 Setting of display language

The display language on the screen can be changed to English, French, Germany, Italian, Spanish, and Chinese.

- ① Push [OPTION]. The Menu screen (Fig. 50-1) appears.
To return to the Monitoring screen, push [MAIN].
- ② Push ["Language setting"] to display the Language Setting Screen (Fig. 50-2).

Fig. 50-2 Language setting screen

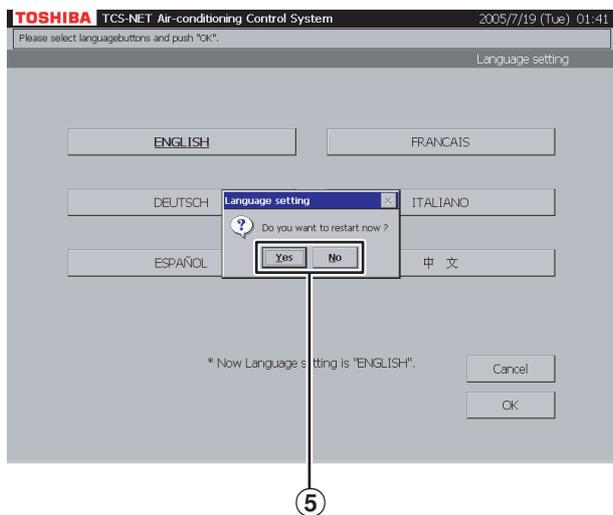


③

④

- ③ Select the language to be used.
- ④ Check the contents of setting and push [OK].
Push [OK] to display the Confirmation Message of Restart screen (Fig. 50-3).
To cancel the setting, push [Cancel].

Fig. 50-3 Confirmation Message for Restart screen



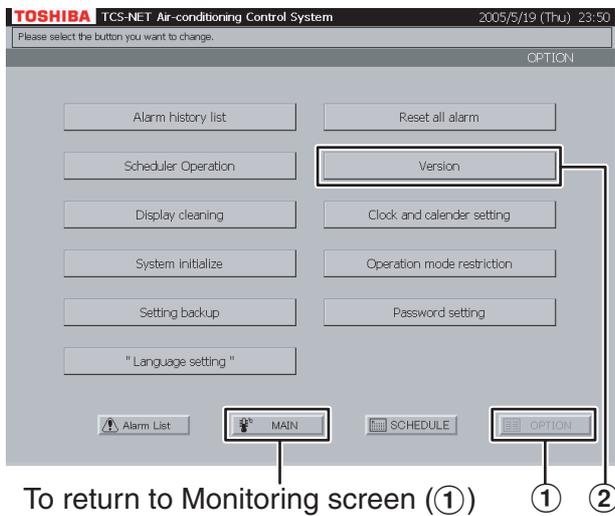
⑤

- ⑤ Push [Yes] to start restart.
Push [No] to return to the Menu Screen (Fig. 50-1) without restart.
The current language is switched to the language selected during restart next time.

HOW TO OPERATE (continued)

Other Settings (continued)

Fig. 51-1 Menu Screen



To return to Monitoring screen (1)

51 Version display

The version of TCS-NET Air-conditioning Control System can be checked.

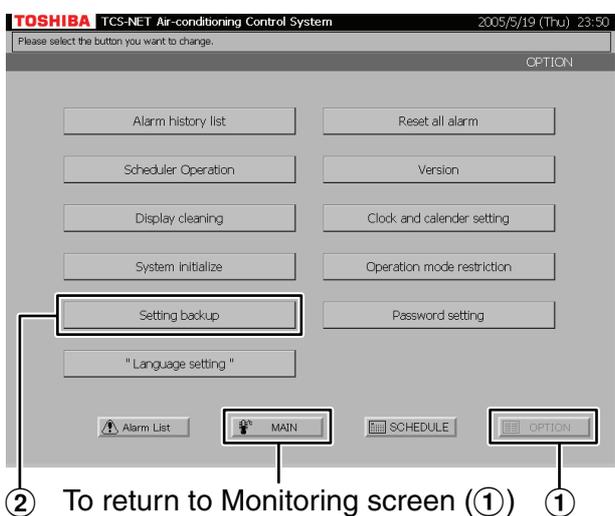
- 1 Push [OPTION]. The Menu Screen (Fig. 51-1) appears.
To return to the Monitoring Screen, push [MAIN].
- 2 Push [Version] to display the Version screen (Fig. 51-2).

Fig. 51-2 Version Screen



- 3 Push [Return to menu] to return to the Menu Screen (Fig. 51-1).

Fig. 52-1 Menu Screen

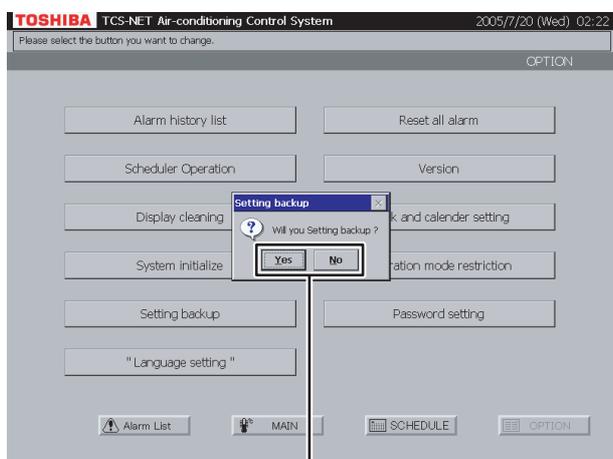


To return to Monitoring screen (1)

52 Backup of setting information

Used when creating the backup data for the air conditioner setting information (an address and schedule) stored in CF (Compact Flash) card.

- 1 Push [OPTION]. The Menu Screen (Fig. 52-1) appears.
To return to the Monitoring Screen, push [MAIN].
- 2 Push [Setting backup] to display the Confirmation Message screen (Fig. 52-2).

Fig. 52-2 Confirmation Message Screen

- ③ Push [Yes] to start backup operation.
Push [No] to return to the Menu Screen (Fig. 52-1) without performing backup operation.

NECESSARY INFORMATION

Reading Monthly Report Data and Energy Monitoring Data

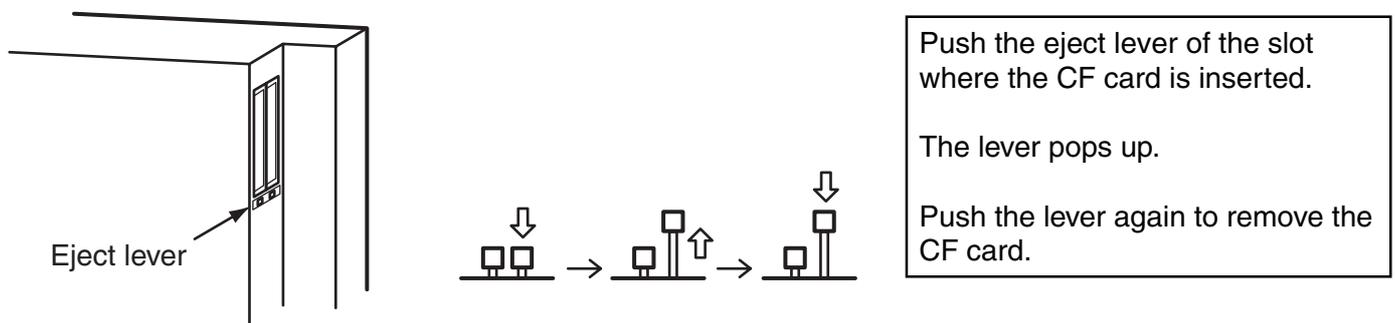
Monthly report data and Energy Monitoring data are stored in a CompactFlash (CF) card. To output Energy Monitoring result, it is necessary to connect a computer using a LAN. Please contact your dealer in that case.

You can remove a CF card when reading data directly or copying data for backup. Power off the Touch Screen Controller before removing the CF card.

After data read or data copy ends, reinstall the CF card and then turn on the power to restart the system.

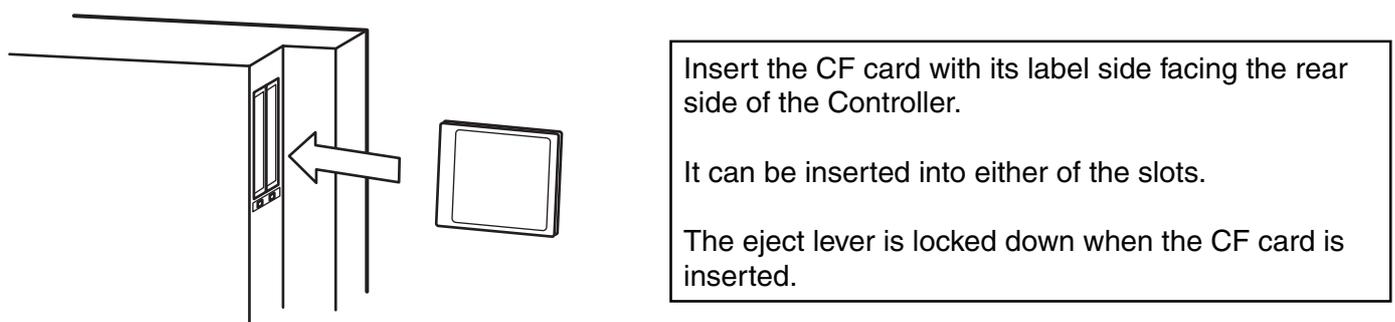
<Removing CF Card>

- ① Turn off the power of the Touch Screen Controller, and unplug the power cord.
- ② Remove the CF card from the Controller.



<Reinstalling CF Card>

Insert the CF card into the slot of the Controller, and then power on the Controller.



The screen display returns to the previous state in a few minutes.

If not, the CF card is not installed properly. Check installation of the CF card. Finish handling the CF card as quickly as possible because the operation time of air conditioners is not counted while the power is off.

Note

A CF stores data of recent three months. The data of three month ago is deleted every day at the end of the day.

Help Information

Nothing is displayed.	Is the backlight off?
Scheduler does not work after operation schedule is set.	Is the scheduler operation enabled on the Menu screen? → Refer to [39] "Setting scheduler operation". Is only the master schedule set? → Also set the operating schedule.
A communication error occurs.	Is the Intelligent Server powered on? Are air conditioners powered on?
Remote control does not work.	Is remote control operation prohibited? → Refer to [14] "Settings for air conditioner operation (R/C Ctrl.)". Is air conditioner operation prohibited forcibly? → Refer to [14] "Settings for air conditioner operation (ON/OFF)". (Option) Fire alarm interlocking control setting: Is this function set enabled? Cancel this function after the fire alarm is activated. → Push [CHECK] and check [15] "Indicating alarm/filter sign" and [45] "Fire alarm indication".
Screen display is abnormal.	Is the CF card installed properly? → If the Touch Screen Controller is powered on with the CF card installed improperly, the Controller runs using dummy data.
Cooling (or heating) operation is not available.	Is heating (or cooling) operation going within the same refrigerant system? → Usually heating operation is set on a priority basis. Is operation mode change by the remote control prohibited? → Refer to [14] "Settings for air conditioner operation (R/C Ctrl.)". Is heating (or cooling) operation selected with the mode selection menu on the Menu screen? → Refer to [44] "Selecting cooling or heating mode".

Consult Your Dealer When:

Contact your dealer when

- You want to change tenant name.
- You want to install more air conditioners.
- You want to output Energy Monitoring result.
- You want to change the deadline of Energy Monitoring tally.

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