



Operation Manual



Model

DCS601C71

- Thank you for purchasing intelligent Touch Controller.
- This operation manual contains notes for safe use of the product.
For correct use, be sure to read this manual carefully before use.
- When you have read this manual, be sure to store it in a place where the operator can conveniently refer to at anytime.
In case of personnel change, be sure to give the manual to the new operator.

Before use

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Be sure to follow the instructions below	1
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Before use

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Operation

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Maintenance

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For Your Information

Use smart and save smart

Safety Considerations


Please read these "SAFETY CONSIDERATIONS" carefully before installing air conditioning equipment and be sure to install it correctly.


After completing the installation, make sure that the unit operates properly during the start-up operation. Please instruct the customer on how to operate the unit and keep it maintained.


Also, inform customers that they should store this installation manual along with the operation manual for future reference.


This air conditioner comes under the term "appliances not accessible to the general public".

Meaning of danger, warning, caution and note symbols.

 **DANGER** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

 **WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

 **NOTE** Indicates situation that may result in equipment or property-damage-only accidents.

Keep these warning sheets handy so that you can refer to them if needed.

Also, if this equipment is transferred to a new user, make sure to hand over this operation manual to the new user.

DANGER

- **Any abnormalities in the operation of the air conditioner such as smoke or fire could result in severe injury or death.**

Turn off the power and contact your dealer immediately for instructions.

- **Do not install the unit in an area where flammable materials are present due to risk of explosion resulting in serious injury or death.**

- **Safely dispose of the packing materials.**

Packing materials, such as nails and other metal or wooden parts, may cause stabs or other injuries. Tear apart and throw away plastic packaging bags so that children will not play with them. Children playing with plastic bags face the danger of death due to suffocation.

WARNING

- **Ask your dealer for installation of the air conditioner.**

Incomplete installation performed by yourself may result in a water leakage, electric shock, and fire.

- **Ask your dealer for improvement, repair, and maintenance.**

Incomplete improvement, repair, and maintenance may result in a water leakage, electric shock, and fire.

- **Improper installation or attachment of equipment or accessories could result in electric shock, short-circuit, leaks, fire or other damage to the equipment. Be sure only to use accessories made by Daikin which are specifically designed for use with the equipment and have them installed by a professional.**

- **Ask your dealer to move and reinstall the air conditioner or the remote controller.**

Incomplete installation may result in a water leakage, electric shock, and fire.

- **Never let the indoor unit or the remote controller get wet.**

It may cause an electric shock or a fire.

- **Never use flammable spray such as hair spray, lacquer or paint near the unit.**

It may cause a fire.

- **Do not allow children to play on or around the unit as they could be injured.**

- **Never replace a fuse with that of wrong ampere ratings or other wires when a fuse blows out.**

Use of wire or copper wire may cause the unit to break down or cause a fire.

- **Never inspect or service the unit by yourself.**

Ask a qualified service person to perform this work.

- **Cut off all electric waves before maintenance.**

- **Do not wash the air conditioner or the remote controller with excessive water.**

Electric shock or fire may result.

- **Do not touch the switch with wet fingers.**

Touching a switch with wet fingers can cause electric shock.

- **Never touch the internal parts of the controller.**

Do not remove the front panel because some parts inside are dangerous to touch. In addition, some parts may be damaged by touching. For checking and adjusting internal parts, contact your dealer.

- **Check the unit stand for damage on a continuous basis, especially if it had been in use for a long time.**

If left in a damaged condition the unit may fall and cause injury.

- **Placing a flower vase or other containers with water or other liquids on the unit could result in a shock hazard or fire if a spill occurs.**
-



CAUTION

- **Avoid placing the controller in a spot splashed with water.**

Water coming inside the machine may cause an electric leak or may damage the internal electronic parts.

- **Do not operate the air conditioner when using a room fumigation - type insecticide.**

Failure to observe could cause the chemicals to become deposited in the unit, which could endanger the health of those who are hypersensitive to chemicals.

- **Do not turn off the power immediately after stopping operation.**

Always wait at least five minutes before turning off the power. Otherwise, water leakage and trouble may occur.

- **The appliance is not intended for use by young children or infirm persons without supervision.**
- **The remote controller should be installed in such a way that children cannot play with it.**



NOTE

- **Never press the button of the remote controller with a hard, pointed object.**

The remote controller may be damaged.

- **Never pull or twist the electric wire of the remote controller.**

It may cause the unit to malfunction.

- **Do not place the controller exposed to direct sunlight.**

The LCD display may get discolored, failing to display the data.

- **Do not wipe the controller operation panel with benzine, thinner, chemical dustcloth, etc.**

The panel may get discolored or the coating peeled off. If it is heavily dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. And wipe it with another dry cloth.

- **Dismantling of the unit, treatment of the refrigerant, oil and eventual other parts, should be done in accordance with the relevant local and national regulations.**

System Overview

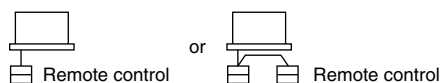
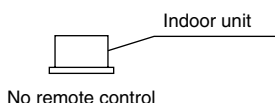
This intelligent Touch Controller is capable of controlling / monitoring up to 64 groups of indoor units henceforth termed **group(s)**.

Main functions of the intelligent Touch Controller:

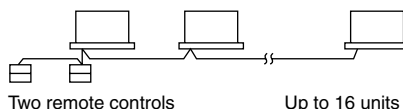
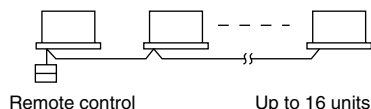
1. Collective starting / stopping of operation of the indoor units connected to the intelligent Touch Controller.
2. Starting / stopping of operation, setting setpoint, switching between temperature control modes and enabling / disabling of operation with the hand-held remote control by zone or group.
3. Scheduling by zone or group.
4. Monitoring of the operation status by zone or group.
5. Display of the air conditioner operation history.
6. Forced STOP contact input from a central monitoring panel (no voltage, normally open contact).

* A group of indoor units include :

- ① One indoor unit without a remote control.
- ② One indoor unit controlled with one or two remote controls.

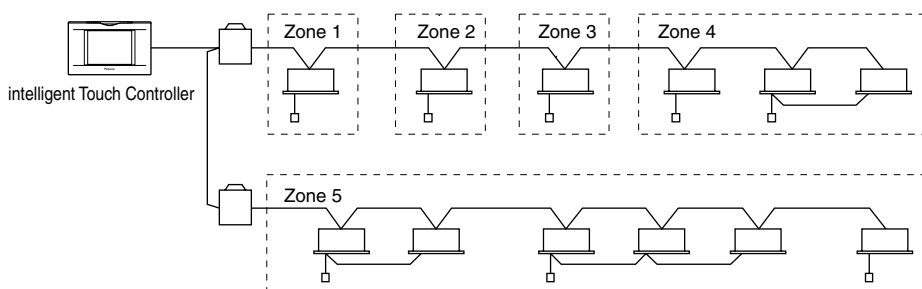


- ③ Up to 16 indoor units controlled with one or two remote controls.



* Zone control with the intelligent Touch Controller

Zone control, which allows collective settings for more than one group, is available with the intelligent Touch Controller, which facilitates the setting operations.



- One setting commands all of the units in one zone.
- Up to 128 zones can be set with one intelligent Touch Controller.
(The maximum number of groups in one zone is 64.)
- Groups can be zoned at will with the intelligent Touch Controller.
- Units in one group can be divided into more than one zone.

Note

When mini-split system is connected through KRP928B2A adapter, do not set the temperature indicated below by this controller or the remote controller of mini-split system. Otherwise the gap of temperature displays between this controller and the remote controller may result in the unexpected behavior.

- Cooling/Heating setpoint: 60°F
- Minimum cool/heat setpoint of setpoint Range: 61°F

■ Operation Menu

The intelligent Touch Controller is capable of starting / stopping operation by the group or zone. Collective starting / stopping is also available.

See pages

15 to 17

■ Air Conditioner Detail Setup

Setting setpoint, switching between temperature control modes, switching of speed and direction of airflow and remote control mode setting are available by the group, by the zone or collectively.

See pages

18 to 23

■ Monitoring of Various Information on Indoor Units

Information on operation such as the operation mode and setpoint of the indoor units, maintenance information including the filter or element cleaning sign, and troubleshooting information such as error codes can be displayed by the group or the zone.

See pages

32 to 39

■ Diversified Operation Modes

Operation can be controlled both with the main unit and the remote controller to provide diversified operation management. Setting the main unit allows the following remote control settings by the group, by the zone or collectively:

- | | | |
|------------------------------|------------------------------|------------------------------|
| 1. Start/Stop | 2. Operation Mode | 3. Setpoint |
| : (Remote control) Inhibited | : (Remote control) Inhibited | : (Remote control) Inhibited |
| : (Remote control) Permitted | : (Remote control) Permitted | : (Remote control) Permitted |
| : Priority | | |

See page 23

■ Zone Control Simplifying Complicated Setting Operations

Up to 64 groups can be controlled with the intelligent Touch Controller. More than one group can be consolidated into a registered zone with specific settings that apply to all groups within that zone. This eliminates the need for repeating the same setting operation for each group. A collective setting for all groups is also available. Available settings are:

- Start / stop
- Setpoint
- Switching between operation modes
- Setting of direction and fan speed
- Disabling / enabling the remote control

See pages

15 to 39

■ Detailed Scheduled Operation Control

The intelligent Touch Controller allows detailed scheduled operation by the group, by the zone or collectively. Up to 8 options for the annual schedule can be set. Each schedule can include four types of plans : Weekdays, Holidays, Special Days 1 and Special Days 2. Each of the plans allows setting of up to 16 operations.

See pages

44 to 45

■ Handy Automated Control

The Intelligent Touch Controller enables the following:

- Automatic Changeover : automatically switches between cooling and heating according to the room temperature.

See pages

46 to 50

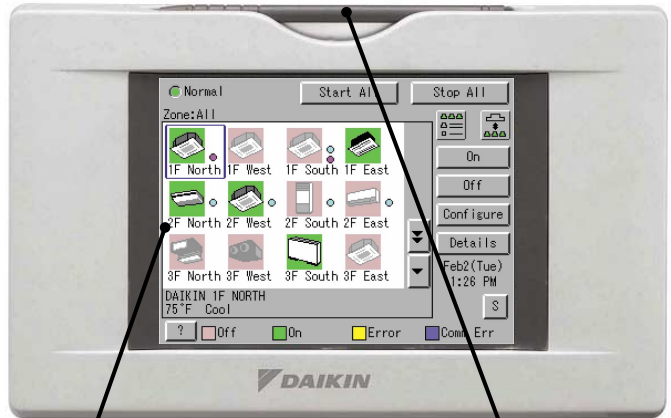
Part Names and Functions

Front and Side View



PCMCIA Card Slot

Used when updating the intelligent Touch Controller software to a newer version and downloading the other data.



Color LCD with Touch Panel

Provides a display for monitoring and operation. Monitoring display should be operated with the touch pen. Be sure to use the touch pen provided for operation.

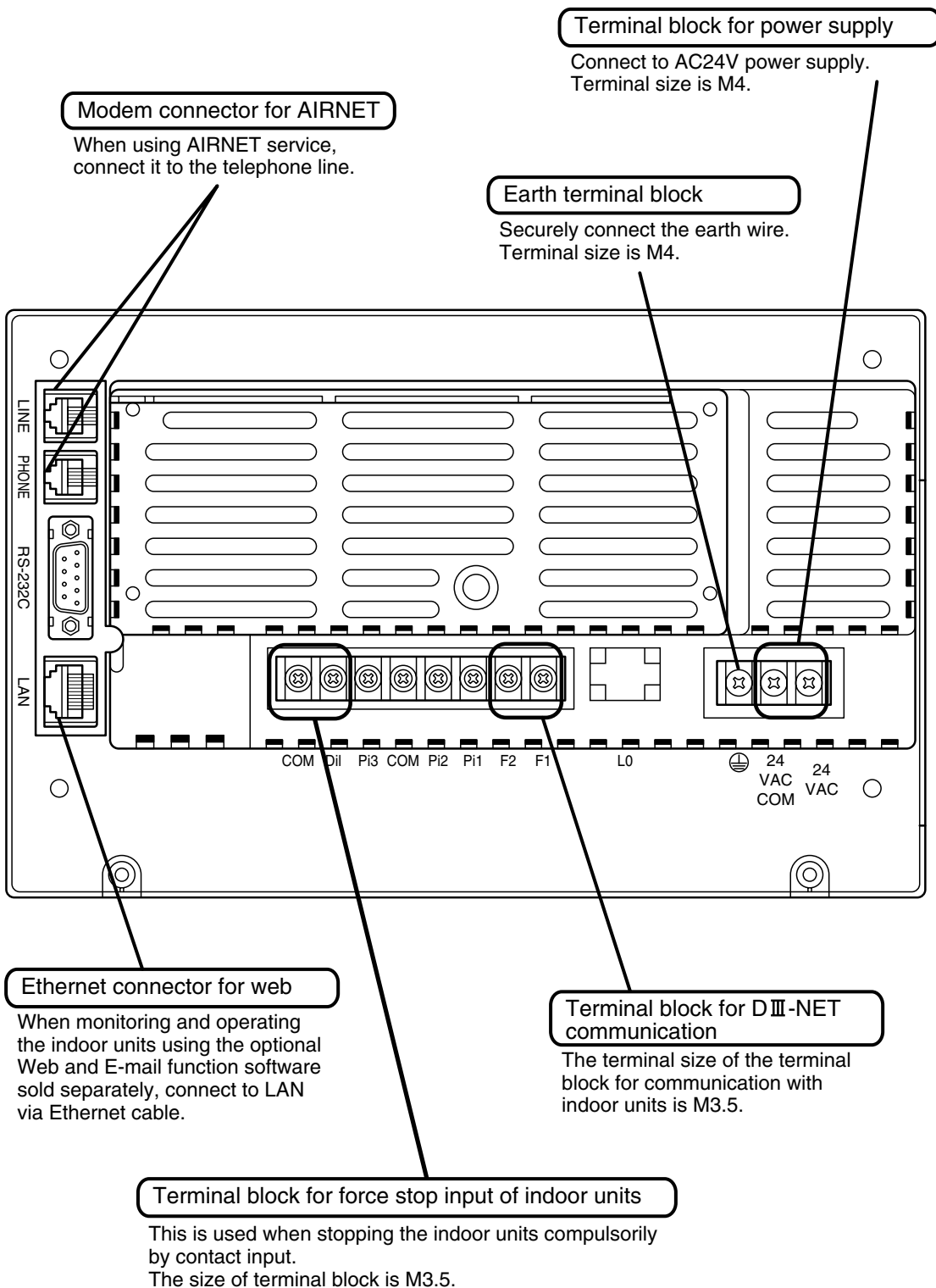
Touch Pen

Be sure to operate with the touch pen and take care not to lose it. In the event it is lost, contract your dealer. Use the touch pen for operation.

Note

- You must always use the provided touch pen as any other object can damage the panel. Be sure to use the touch pen for operation.

Terminals on the Back of intelligent Touch Controller



Part Names on the Monitoring Screen and the Functions

List

Contents of the List Currently Displayed

- When Group List is displayed
Zone : **Zone Name**
- When Zone List is displayed
Zone List

Zone / Group Currently Displayed

The name of the zone / group currently selected is highlighted in light-blue.

Display Mode Selection

Press the button and display change between Zone and Group.

Zone / Group Name

Set the names in the Group Registration or Zone Registration in the System Settings Mode.

Target of Automatic Control

Displayed when any air conditioner has a registered schedule in the zone or group.

Filter / Element Sign

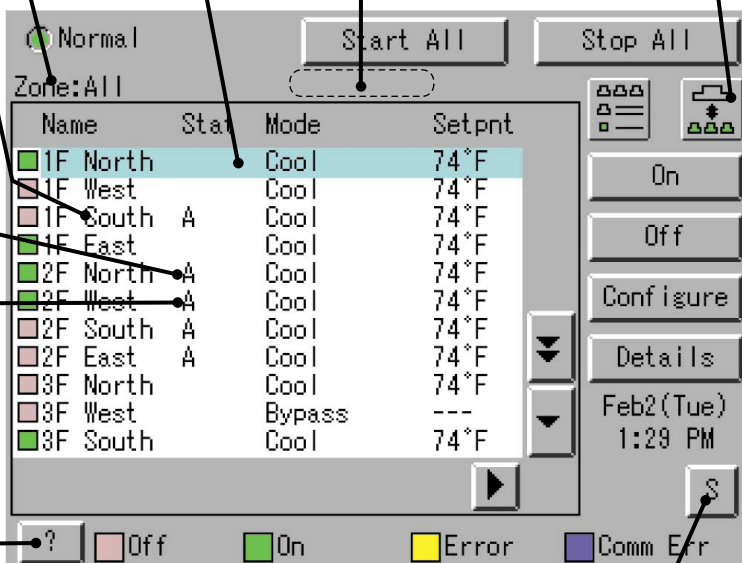
Displayed when there is any air conditioner showing a filter or element sign in the zone or the group.

Monitoring Screen Legend

Pressing the "?" button shows more detailed legend.

System Condition Displayed Domain

System condition such as Forced Stop and System Error, etc. is displayed here. When normal operation, nothing is displayed.



Button to Switch to the System Settings Mode

Use this button for settings including the time, group, zone and schedule.

List

Display for Collective Monitoring of Air Conditioners Connected to intelligent Touch Controller

When operation is normal and any air conditioner is in operation :

Red / Normal

When operation is normal and all air conditioners are in stoppage :

Green / Normal

When there is any air conditioner generating an error :

Yellow / Abnormal

When there is any air conditioner with communication error :

Blue / Abnormal

Change in color of Start/Stop is possible by Iconcolor Settings in System Settings.

Start All Button

Button to collectively start all the air conditioners connected to intelligent Touch Controller.

Stop All Button

Button to collectively stop all the air conditioners connected to intelligent Touch Controller.

Display Mode Selection

Select the mode among icon / list / detailed icon.
See Icon Displays on Pages 9-10.
See Detailed Icon Displays on Pages 11-12.

Group / Zone On Button

Button to start operation of the group / zone selected.

Group / Zone Off Button

Button to stop operation of the group / zone selected.

Group / Zone Configure Button

Makes settings (setpoint, temperature control mode, etc.) and display of the group / zone selected.

Group / Zone Details Button

Detailed display of the group / zone selected

Current Time Display

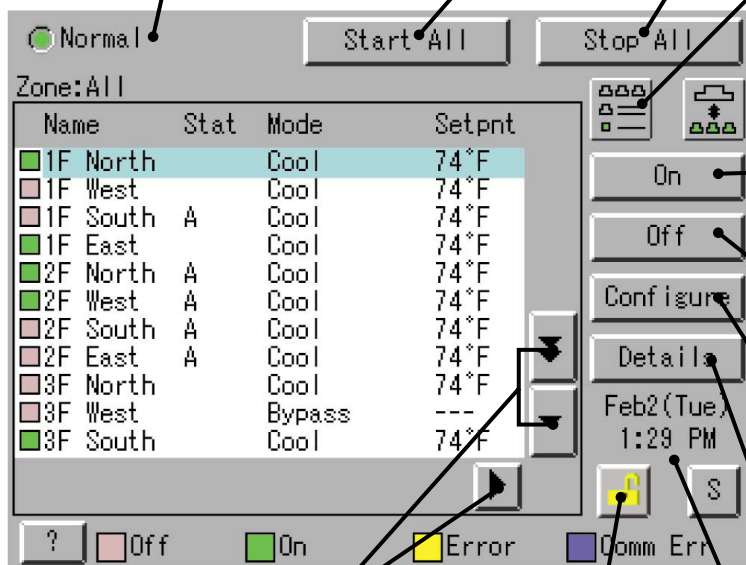
Shows the current date and time.

Lock Setting / Cancel Button

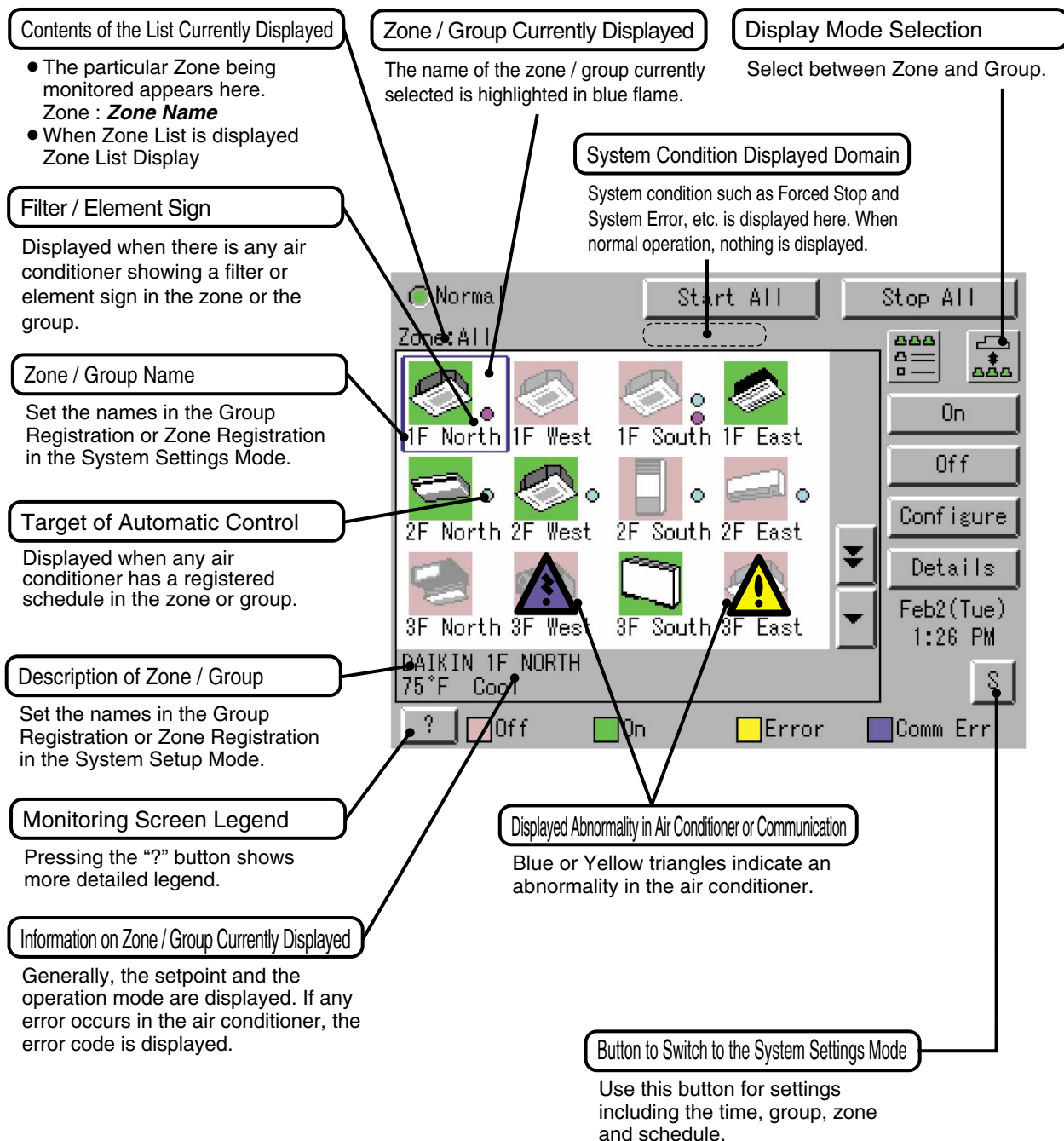
Displays if monitor is locked or available to use. See detailed information on Page 31.

Scroll Buttons

Up / Down scroll button used when monitoring zone / group which are not currently displayed.
Left / Right scroll button to locate areas to monitor not visible on screen.



Icon



Icon

Display for Collective Monitoring of Air Conditioners Connected to intelligent Touch Controller

When operation is normal and any air conditioner is in operation :

Green / Normal

When operation is normal and all air conditioners are in stoppage :

Red / Normal

When there is any air conditioner generating an error :

Yellow / Abnormal

When there is any air conditioner with communication error :

Blue / Abnormal

Change in color of Start / Stop is possible by Iconcolor Settings in System Settings.

Start All Button

Button to collectively start all the air conditioners connected to intelligent Touch Controller.

Stop All Button

Button to collectively stop all the air conditioners connected to intelligent Touch Controller.

Display Mode Selection

Select the mode among icon / list / detailed icon.

See List Displays on Pages 7-8.

See Detailed Icon Displays on Pages 11-12.

Group / Zone On Button

Button to start operation of the group / zone selected.

Group / Zone Off Button

Button to stop operation of the group / zone selected.

Group / Zone Configure Button

Makes settings (setpoint, temperature control mode, etc.) and display of the group / zone selected.

Group / Zone Details Button

Detailed display of the group / zone selected

Current Time Display

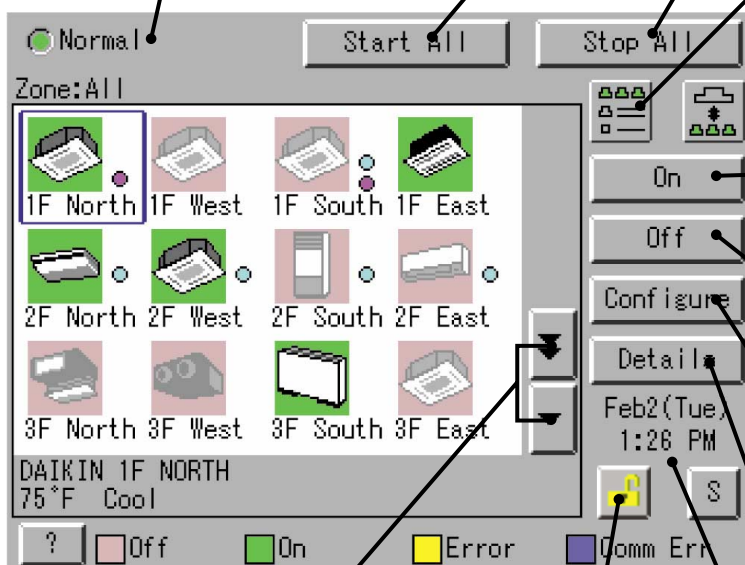
Shows the current date and time.

Lock Setting / Cancel Button

Displays if monitor is locked or available to use. See detailed information on Page 31.

Scroll Buttons

Up / Down scroll button used when monitoring zone / group which are not currently displayed.



Icon

Contents of the List Currently Displayed

- The particular Zone being monitored appears here.
Zone : **Zone Name**
- When Zone List is displayed
Zone List Display

Filter / Element Sign

Displayed when there is any air conditioner showing a filter or element sign in the zone or the group.

Zone / Group Name

Set the names in the Group Registration or Zone Registration in the System Settings Mode.

Target of Automatic Control

Displayed when any air conditioner has a registered schedule in the zone or group.

Displayed Abnormality in Air Conditioner or Communication

Blue triangular mark shows communication abnormality in air conditioner.
Yellow triangular mark shows abnormality in air conditioner.

Monitoring Screen Legend

Pressing the “?” button shows more detailed legend.

Zone / Group Currently Displayed

The name of the zone / group currently selected is highlighted in blue frame.

System Condition Displayed Domain

System condition such as Forced Stop and System Error, etc. is displayed here. When normal operation, nothing is displayed.

Display Mode Selection

Press the button and a display change between Zone and Group.

The screenshot shows a monitoring interface with a list of zones. The 'Zone: All' header is at the top. Below it, four zones are listed: DAIKIN 1F NORTH, DAIKIN 1F WEST, DAIKIN 1F SOUTH, and DAIKIN 1F EAST. Each zone has a status icon (a green square with a white 'X' for 'On' and a pink square for 'Off') and a temperature reading (Cool 75°F, Room 77°F). To the right of the list are buttons for 'Start All', 'Stop All', 'On', 'Off', 'Configure', and 'Details'. At the bottom right, there is a 'S' button. A legend at the bottom shows status indicators: Off (pink), On (green), Error (yellow), and Comm Err (purple).

Button to Switch to the System Settings Mode

Use this button for settings including the time, group, zone and schedule.

Icon

Display for Collective Monitoring of Air Conditioners Connected to intelligent Touch Controller

When operation is normal and any air conditioner is in operation :

Red / Normal

When operation is normal and all air conditioners are in stoppage :

Green / Normal

When there is any air conditioner generating an error :

Yellow / Abnormal

When there is any air conditioner with communication error :

Blue / Abnormal

Change in color of Start / Stop is possible by Iconcolor Settings in System Settings.

Start All Button

Button to collectively start all the air conditioners connected to intelligent Touch Controller.

Stop All Button

Button to collectively stop all the air conditioners connected to intelligent Touch Controller.

Display Mode Selection

Select the mode among icon / list / detailed icon.
See List Displays on Pages 7-8.
See Icon Displays on Pages 9-10.

Group / Zone On Button

Button to start operation of the group / zone selected.

Group / Zone Off Button

Button to stop operation of the group / zone selected.

Group / Zone Configure Button

Makes settings (setpoint, temperature control mode, etc.) and display of the group / zone selected.

Group / Zone Details Button

Detailed display of the group / zone selected

Current Time Display

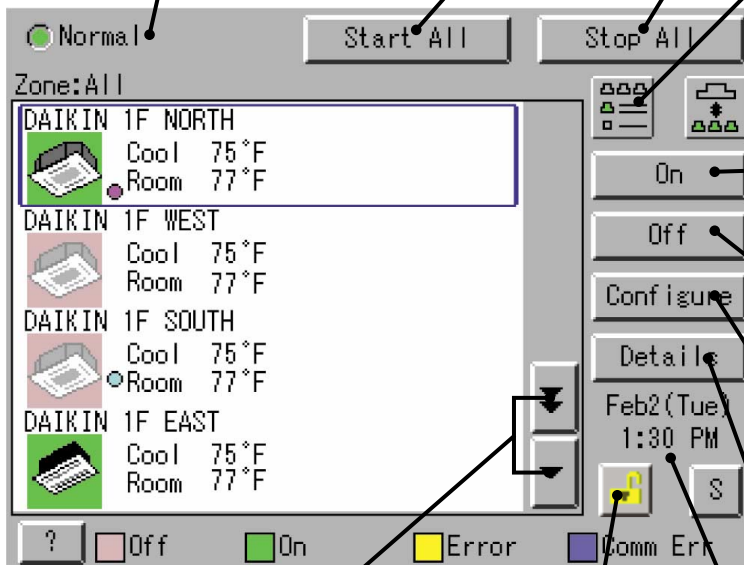
Shows the current date and time.

Lock Setting / Cancel Button


















Displays if monitor is locked or available to use. See detailed information on Page 31.

Scroll Buttons







Up / Down scroll button used when monitoring zone/group which are not currently displayed.



Air Conditioner Operation

■ To collectively start / stop the operation of all devices connected to the intelligent Touch Controller	➔	See page  15
■ To start / stop the operation of devices by group	➔	See page  16
■ To start / stop the operation of devices by zone	➔	See page  17
■ To change the operation mode	➔	See page  18
■ To change the setpoint (group)	➔	See page  19
■ To change the setpoint (zone)	➔	See page  20
■ To reset the filter or element sign	➔	See page  21
■ To change the direction or fan speed	➔	See page  22
■ To change the range of operation allowed with remote control	➔	See page  23
■ To set the setup/setback temperature	➔	See page  24
■ To set the setup/setback recovery temperature	➔	See page  25
■ To set auto changeover	➔	See page  26
■ To set the setpoint temperature range	➔	See pages  27 to  28
■ To change the ventilation mode	➔	See page  29
■ To change the ventilation volume	➔	See page  30
■ To permit / prohibit the remote control at hand for ventilation	➔	See page  31

Air Conditioner Operation Monitoring

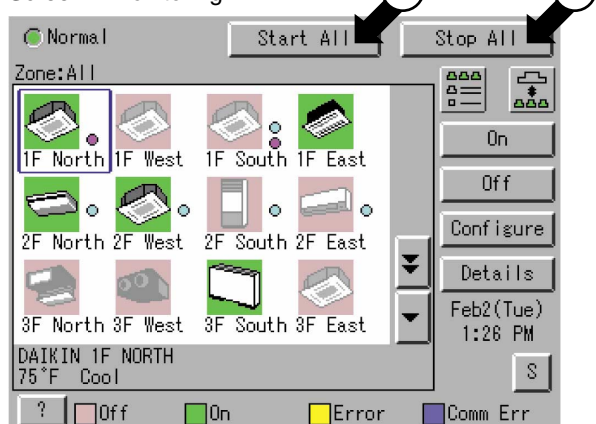
■ To monitor by zone or by group	➔	See pages  32 to  33
■ To monitor detailed information	➔	See pages  34 to  38
■ To monitor the operation condition for ventilation	➔	See page  39
■ To set / release the lock of screen operation	➔	See page  40

System Settings Menu

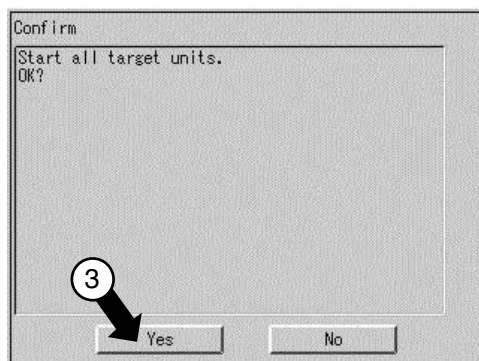
■ To change the name of a group	➔	See page 42
■ To change the zone settings	➔	See page 42
■ To change the schedule	➔	See pages 44 to 45
■ To change the Automatic Changeover	➔	See pages 46 to 50
■ To calibrate the touch panel	➔	See page 59
■ To review the history of errors	➔	See page 59
■ To set the locale	➔	See page 43
■ To set the icon color	➔	See page 43
■ To set the network	➔	See page 43
■ To set the activation key	➔	See page 43
■ To adjust the contrast of the screen	➔	See page 96
■ To set the e-mail	➔	See pages 51 to 53
■ To set the Simple Interlock	➔	See pages 54 to 58

Starting / Stopping Operation Collectively

Screen 1 Monitoring



Screen 2 Confirm



To start / stop the operation of all devices connected

Start or stop collectively the operation of devices connected.

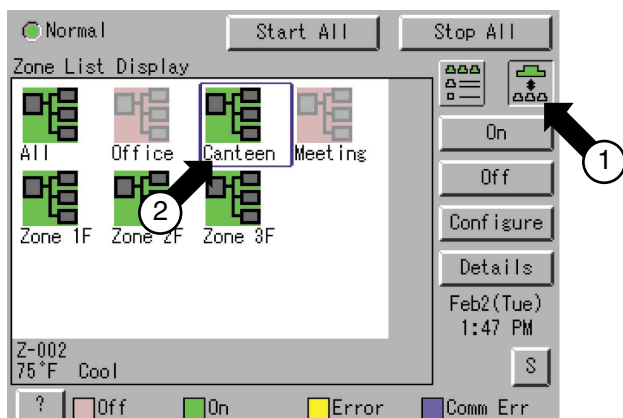
On the Monitoring screen, operation is allowed with either Zone or Group as the display mode and with either Icon or List as the display type. In the example on the left, the display mode is Group in the collective mode and the display type is Icon.

[Procedure]

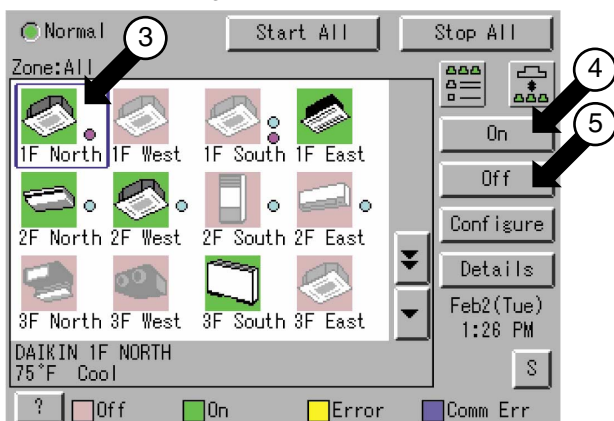
1. On Screen 1 Monitoring, press the [Start All] button ① or [Stop All] button ②.
2. Screen 2 appears to confirm. Press the [Yes] button ③.
To exit without activating collective start or stop, press the [No] button.

Starting / Stopping Operation by the Group

Screen 1 Monitoring



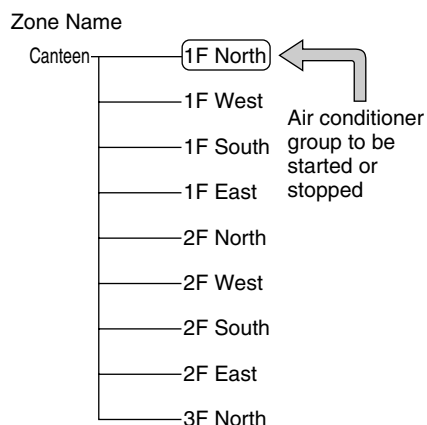
Screen 2 Monitoring (Group)



To start / stop the operation of devices by group

Start or stop the operation of air conditioners by group.

The example on the left shows the screen for starting / stopping the operation of Group Name : 1F North registered for Zone Name : Canteen.

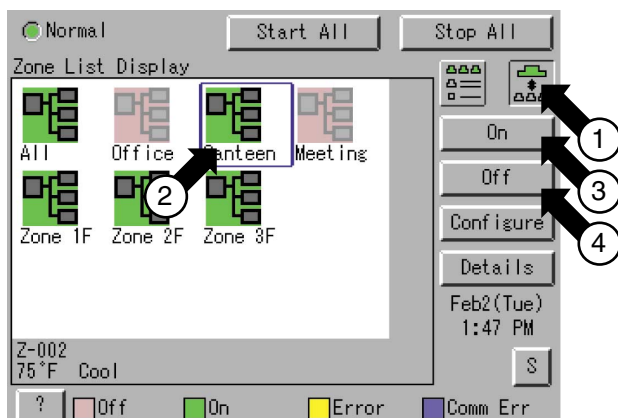


[Procedure]

1. On Screen 1 Monitoring, select a zone from the button ①.
2. Select a zone that includes the group of which the operation is to be started or stopped ②.
3. Select a group from the button ①. Screen 2 Monitoring (Group) appears.
4. Select a group to be started or stopped as in ③ and press the [On] button ④ or [Off] button ⑤.

Starting / Stopping Operation by the Zone

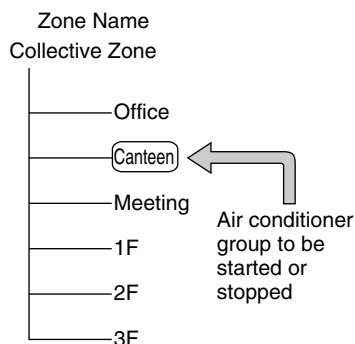
Screen 1 Monitoring



To start / stop the operation of devices by group

Start or stop by zone the operation of groups of air conditioners set in zones.

The example on the left shows a screen for starting or stopping the operation of air conditioners in the canteen.

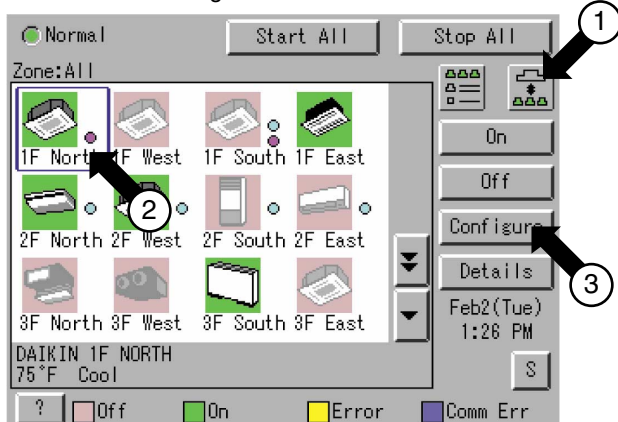


[Procedure]

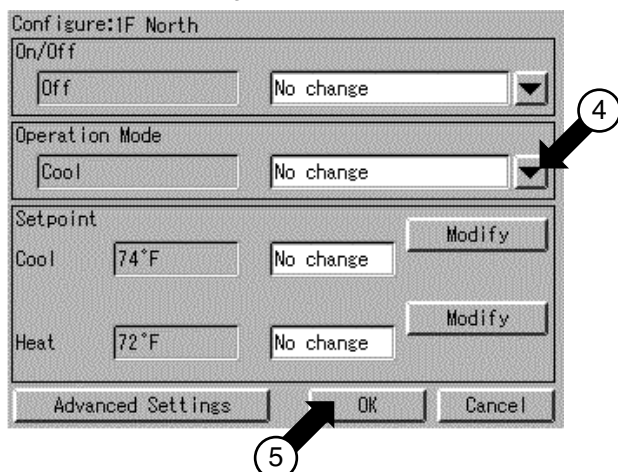
1. On Screen 1 Monitoring, select a zone from the button ①.
2. Select the zone of which the operation is to be started / stopped as shown in ②.
3. Press the [On] button ③ or [Off] button ④.

Switching the Operation Mode

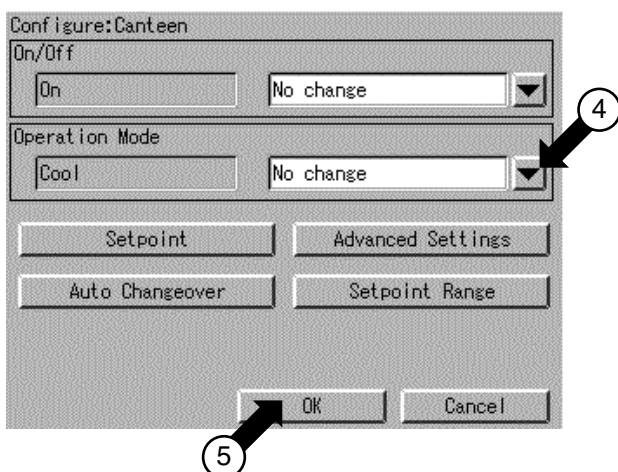
Screen 1 Monitoring



Screen 2 Operation (group)



Screen 3 Operation (Zone)



Switch the operation mode of the air conditioner.

On the Monitoring screen, operation is allowed with either Icon or List as the display type.

The operation mode can be switched by zone or by group.

Selecting a zone and switching the operation mode switches the mode of all air conditioners in the zone.

Selecting a group and switching the operation mode switches the mode of air conditioners in the group selected.

[Procedure]

1. On Screen 1 Monitoring, select a zone or a group from the button ①.
2. On the section ②, select a zone or a group of which the operation mode is to be switched.
3. Press the [Configure] button ③.
If a group was selected, then Screen 2 Operation (group) is displayed. If a zone was selected, then Screen 3 Operation (Zone) is displayed.
4. Select the operation mode to be set from the pull down menu ④.
On the menu, operation modes available for air conditioners in the zone are displayed if the switching is to be made by zone. See the example below.
5. Press the [OK] button ⑤.
To cancel the setting, press the Cancel button.

Ex.: For the following zone setting, the operation modes available are Fan, Cool, Heat and Auto.
If Changeover option is not available for any air conditioner in the zone, Fan and Dependent are the available operation modes.

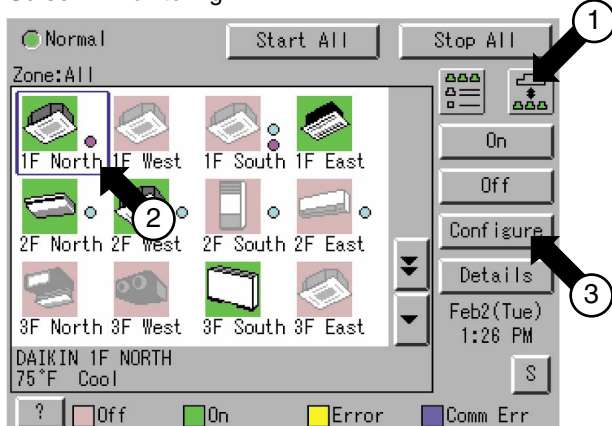
Zone name	Group name	Operation modes available
Canteen	1F North	Cool Fan
	1F West	Cool Heat Auto Fan

With the software version Ver 6.01.00 or later, when the Auto mode in the indoor unit is recognized as either Auto (Cool) or Auto (Heat), the intelligent Touch Controller will automatically override it to Cool or Heat mode immediately. See page 94 for details.

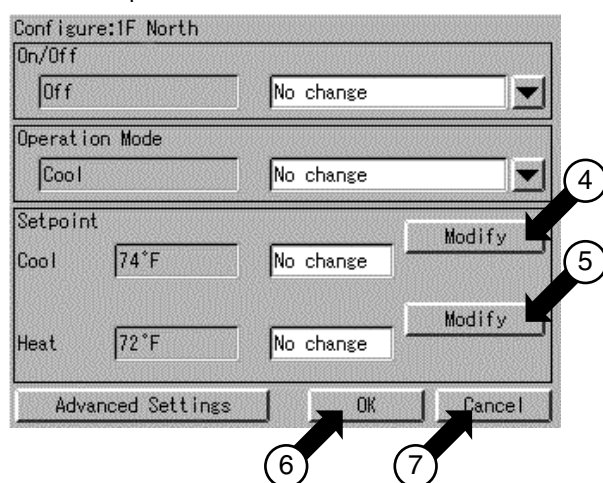
Use Automatic Changeover function in the intelligent Touch Controller when necessary. See the details shown in pages 46 to 50 for Automatic Changeover.

Changing the Setpoint (Group)

Screen 1 Monitoring



Screen 2 Operation



Change the setpoint of air conditioners.

On the Monitoring screen, operation is allowed with either Icon or List as the display type.

The setpoint can be switched by zone or by group.

Selecting a zone and changing the setpoint changes the setting of the air conditioner groups in each selected operation in the zone.

Selecting a group and changing the setpoint changes the setpoint of air conditioners in the group selected.

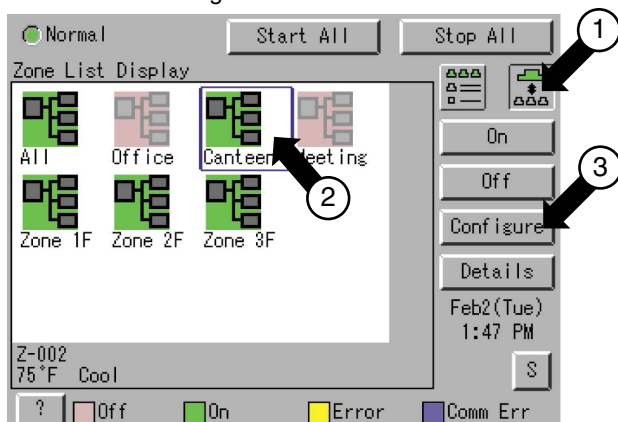
If all of the air conditioners in the group selected are in Fan operation, setpoint cannot be changed.

[Procedure]

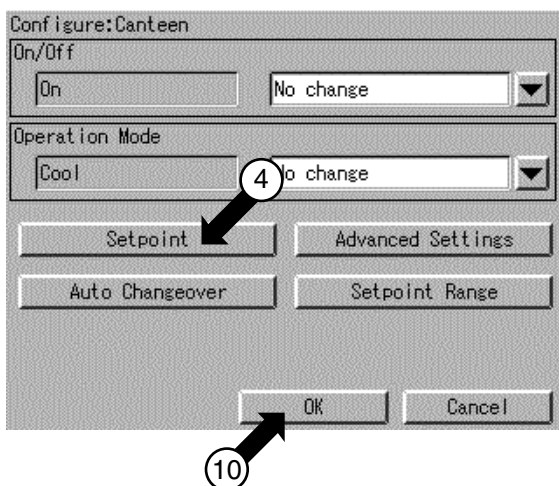
1. On Screen 1 Monitoring, press button ① and select a group.
2. On the section ②, select the group for which the setpoint is to be changed.
3. Press the [Configure] button ③. Screen 2 Operation is displayed.
4. For the cooling setpoint, press the [Modify] button ④.
For the heating setpoint, press the [Modify] button ⑤.
When the [Modify] button is pressed, a dialog box appears. Enter the temperature to set.
5. Finally, press the [OK] button ⑥.
To cancel the setting, press the [Cancel] button ⑦.

Changing the Setpoint (Zone)

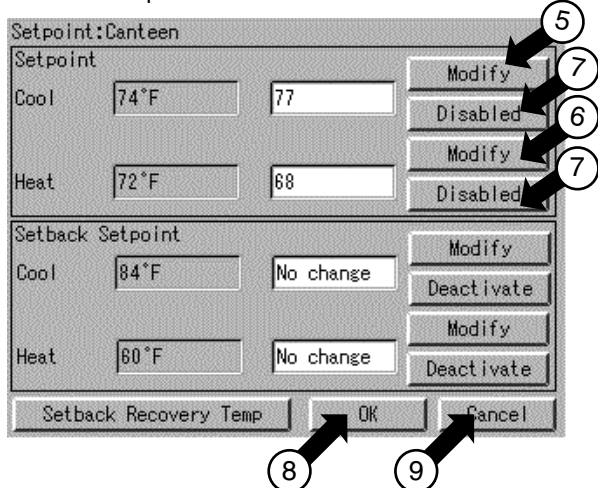
Screen 1 Monitoring



Screen 2 Operation



Screen 3 Setpoint

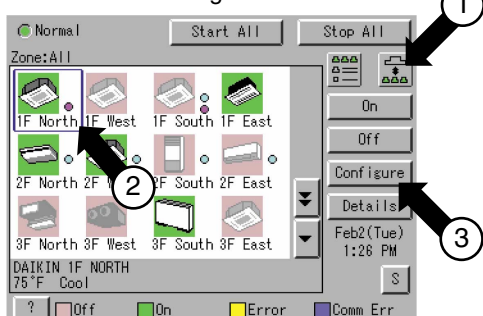


[Procedure]

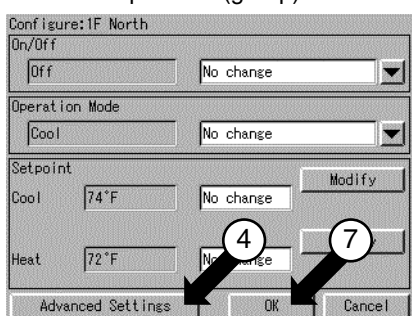
1. On Screen 1 Monitoring, press the button ① and select a zone.
2. On the section ②, select the zone for which the setpoint is to be changed.
3. Press the [Configure] button ③. Screen 2 Operation is displayed.
4. Press the [Setpoint] button ④. Screen 3 Setpoint is displayed.
5. For the cooling setpoint, press the [Modify] button ⑤. For the heating setpoint, press the [Modify] button ⑥. When the [Modify] button is pressed, a dialog box appears. Enter the temperature to set. To disable the entered setpoint, press the [disable] button ⑦.
6. After making the settings, push the [OK] button ⑧ to return to the Operation Screen of the Screen 2. To cancel the settings made, push the [Cancel] button ⑨.
7. Finally, press the [OK] button ⑩. To cancel the setting, press the [Cancel] button.

Resetting the Filter / Element Sign

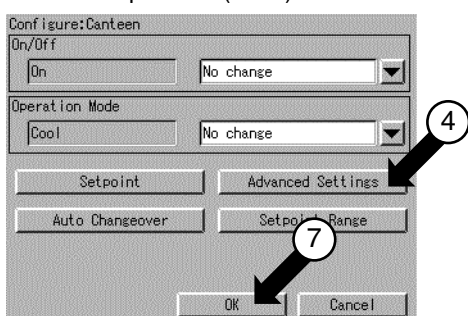
Screen 1 Monitoring



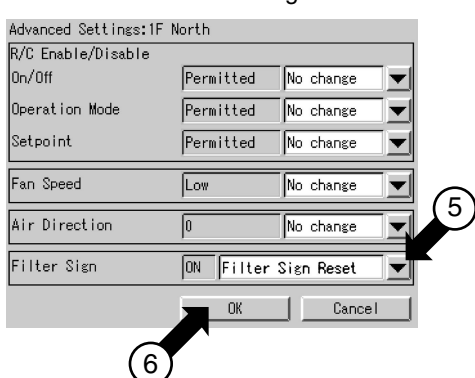
Screen 2 Operation (group)



Screen 3 Operation (Zone)



Screen 4 Advanced Settings



Reset the filter or element sign after cleaning any air conditioner showing the filter or element sign.

On the Monitoring screen, operation is allowed with either Icon or List as the display type.

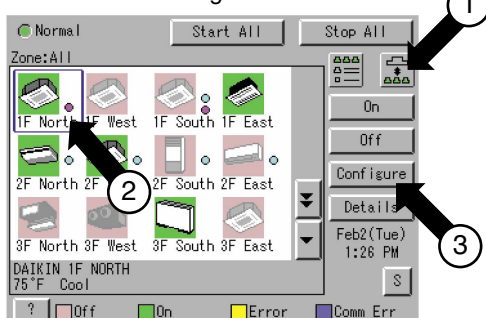
The filter or element sign can be reset by zone or by group.

[Procedure]

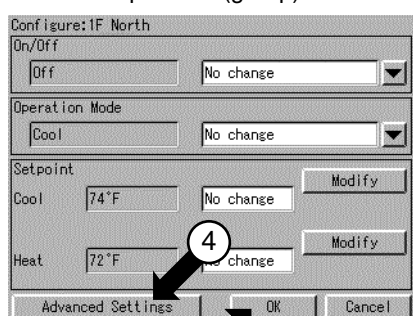
1. On Screen 1 Monitoring, select a zone or a group from the button ①.
2. Select a zone or a group of which the filter or element sign is to be reset ②.
3. Press the [Configure] button ③.
If a group was selected, then Screen 2 Operation (group) is displayed. If a zone was selected, then Screen 3 Operation (Zone) is displayed.
4. Press the [Advanced Settings] button ④.
Screen 4 Advance Operation is displayed.
5. To reset the filter / element sign, select **Filter Sign Reset** in pull-down menu ⑤.
Then press the [OK] button ⑥.
To cancel the setting, press the [Cancel] button.
Screen 2 or 3 Operation is displayed again.
6. Then press the [OK] button ⑦ on Screen 2 or 3 Operation.
To cancel the setting, press the [Cancel] button.

Changing the Direction / Fan Speed

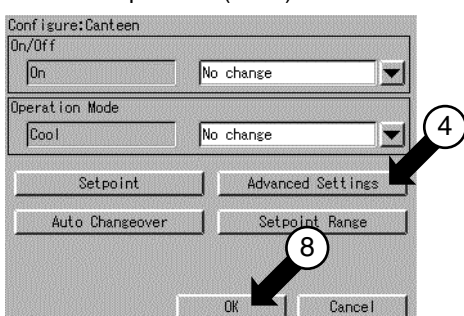
Screen 1 Monitoring



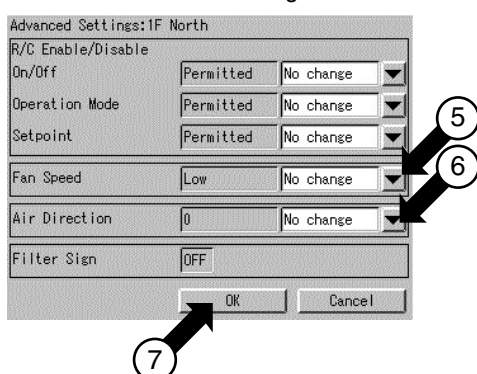
Screen 2 Operation (group)



Screen 3 Operation (Zone)



Screen 4 Advanced Settings



Change the air direction or fan speed of air conditioners.

On the Monitoring screen, operation is allowed with either Icon or List as the display type.

The air direction or volume can be changed by zone or by group.

[Procedure]

1. On Screen 1 Monitoring, select a zone or a group from the button ①.
2. Select a zone or a group of which the air direction or volume is to be reset ②.
3. Press the [Configure] button ③. If a group was selected, then Screen 2 Operation (group) is displayed. If a zone was selected, then Screen 3 Operation (Zone) is displayed.
4. Press the [Advanced Settings] button ④. Screen 4 Advance Settings is displayed.
5. Set the direction with the pull-down menu ⑥.

The larger the value for wind direction setting (0 - 6), the closer to vertical the direction becomes. The value 7 indicates automatic swing.

(Note: See the figure below.)

The description given above may not exactly apply depending on the model. Check the airflow direction sign on the remote control after operation.

Select the Fan Speed with the pull-down menu ⑤.

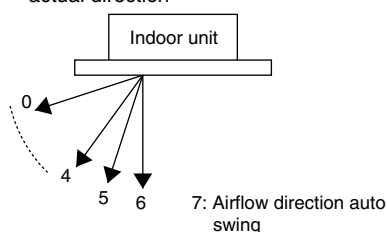
Then press the [OK] button ⑦.

To cancel the setting, press the [Cancel] button.

Screen 2 or 3 Operation is displayed again.

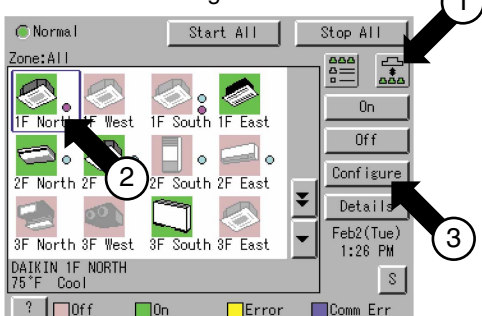
6. Then press the [OK] button ⑧ on Screen 2 or 3 Operation. To cancel the setting, press the [Cancel] button.

Note: Guidelines for airflow direction value and actual direction

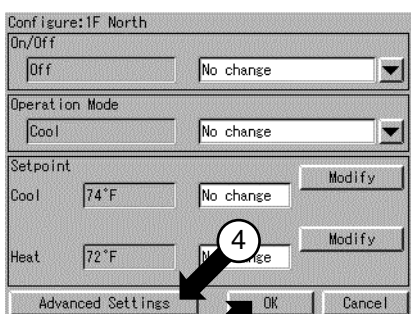


Changing the Range of Operation Allowed with Remote Control

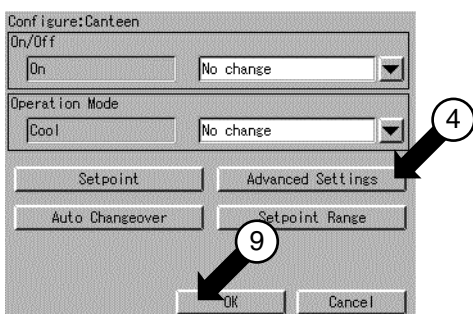
Screen 1 Monitoring



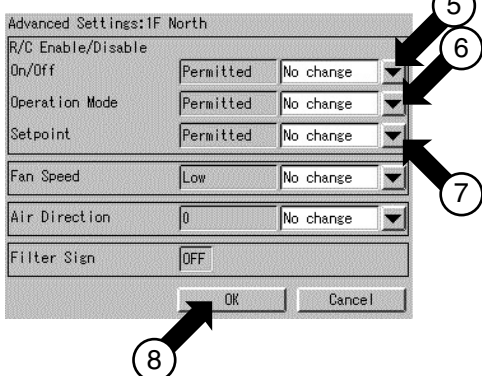
Screen 2 Operation (group)



Screen 3 Operation (Zone)



Screen 4 Advanced Settings



Change the setting of operation with the remote control of air conditioners between Permitted and Prohibited.

On the Monitoring screen, operation is allowed with either Icon or List as the display type.

The setting between Permitted and Prohibited can be changed by zone or by group.

[Procedure]

1. On Screen 1 Monitoring, select a zone or a group from button ①.
2. Select with ② a zone or a group for which the setting of the range of operation allowed with remote control is to be reset.
3. Push the [Configure] button ③. If a group was selected, then Screen 2 Operation (group) is displayed. If a zone was selected, then Screen 3 Operation (Zone) is displayed.
4. Press the [Advanced Settings] button ④. Screen 4 Advance Settings is displayed.
5. Then make setting with the pull-down menus ⑤ - ⑦.

There are three settings as shown below:

⑤ On/Off

Prohibited
Off Only
Permitted
No change

⑥ Operation Mode

Permitted or **Prohibited**
No change

⑦ Setpoint

Permitted or **Prohibited**
No change

Press the [OK] button ⑧ after setting ⑤ - ⑦.

To cancel the setting, press the [Cancel] button. Screen 2 or 3 Operation is displayed again.

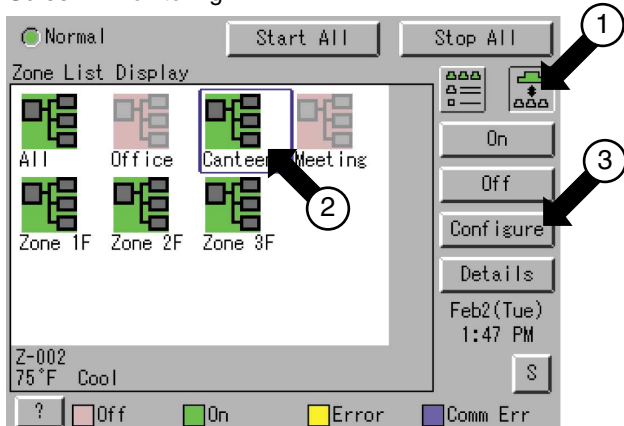
6. Then press the [OK] button ⑨ on Screen 2 or 3 Operation. To cancel the setting, press the [Cancel] button.

[Details of Setting]

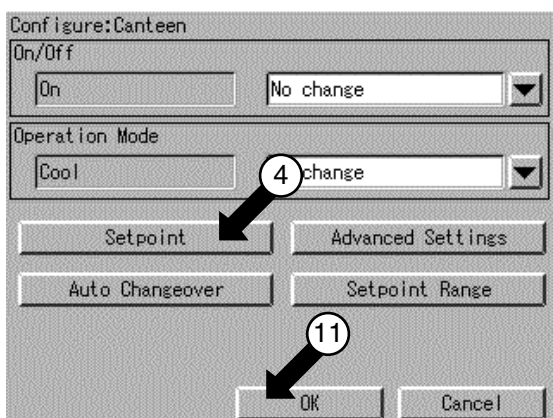
Item	Setting	Meaning
On/Off	Prohibited	The remote control cannot start or stop operation.
	Off Only	The remote control can stop the operation of air conditioners in operation but cannot start air conditioners not in operation.
	Permitted	The remote control can start or stop operation.
Operation Mode	Permitted	The remote control can change the operation mode.
	Prohibited	The remote control cannot change the operation mode.
Setpoint	Permitted	The remote control can change the setpoint.
	Prohibited	The remote control cannot change the setpoint.

Setting the Setup / Setback Temperature

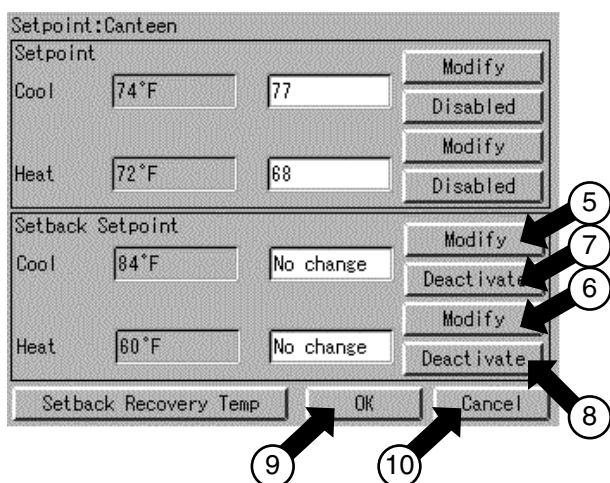
Screen 1 Monitoring



Screen 2 Operation



Screen 3 Setpoint



Change the setup/setback temperature.

On the Monitoring screen, operation is possible with the Icon, Detailed Icon, or List display type.

The setup / setback setpoint temperature can be changed by zone.

[Procedure]

1. On Screen 1 Monitoring, push the button ① and select a zone.
2. On the section ②, select the zone for which the setpoint temperature is to be changed.
3. Push the [Configure] button ③. Screen 2 Operation is displayed.
4. Push the [Setpoint] button ④. Screen 3 Setpoint is displayed.
5. To change the setup temperature setpoint, push the [Modify] button ⑤. To change the setback temperature setpoint, push the [Modify] button ⑥. When the [Modify] button is pushed, a dialog box appears. Enter the temperature to set.
6. To deactivate setup, push the [Deactivate] button ⑦. To deactivate setback, push the [Deactivate] button ⑧.
7. When input is completed, push the [OK] button ⑨. To cancel the setting, push the [Cancel] button ⑩.
8. Finally, push the [OK] button ⑪ on screen 2 Operation. To cancel the setting, push the [Cancel] button.

[The range of the Setback Setpoint]

The range of the Setback Setpoint that can be set is as follows;

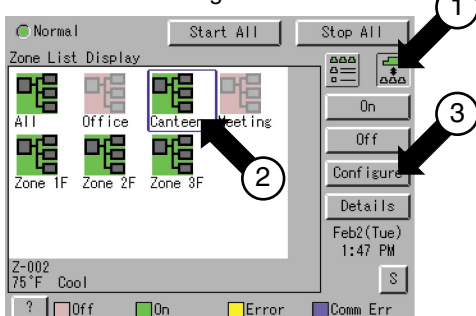
Cool : Cooling Setpoint (Maximum) + 2°F~95°F

Heat : 40°F~Heating Setpoint (Minimum) - 2°F

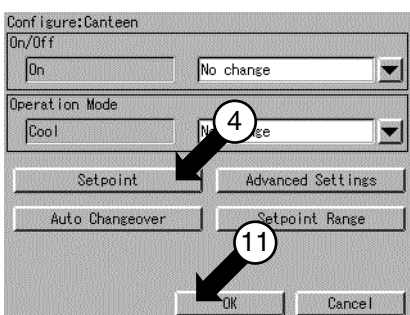
The Cooling Setpoint (maximum) and the Heating Setpoint (Minimum) are based on the Setpoint Temperature Range setting (page 27).

Setting the Setup / Setback Recovery Temperature

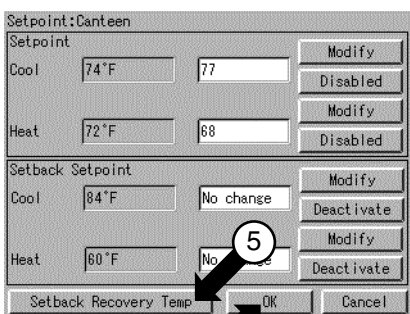
Screen 1 Monitoring



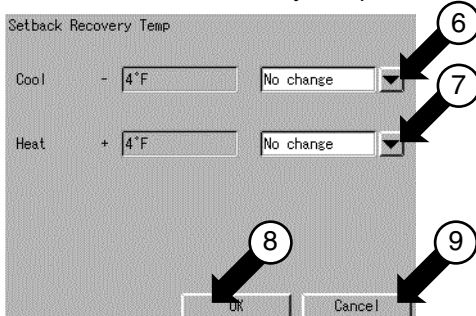
Screen 2 Operation



Screen 3 Setpoint



Screen 4 Setback Recovery Temp



Change the setup/setback recovery temperature.

On the Monitoring screen, operation is possible with the Icon, Detailed Icon, or List display type.

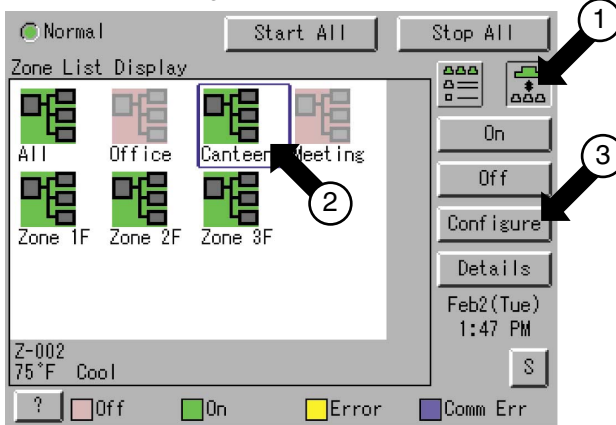
The setup / backup recovery temperature can be changed by zone.

[Procedure]

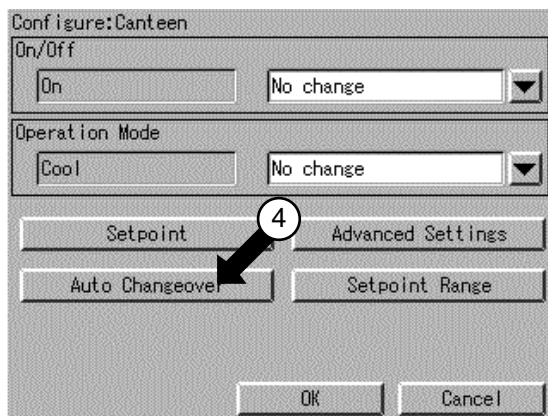
1. On Screen 1 Monitoring, push the button ① and select a zone.
2. On the section ②, select the zone for which the setpoint temperature is to be changed.
3. Push the [Configure] button ③. Screen 2 Operation is displayed.
4. Push the [Setpoint] button ④. Screen 3 Setpoint is displayed.
5. Push the [Setback Recovery Temp] button ⑤. Screen 4 Setback Recovery Temp. is displayed.
6. To set the setup recovery temperature setpoint, use the pull-down menu ⑥. To set the setback recovery temperature setpoint, use the pull-down menu ⑦.
7. When settings are completed, push the [OK] button ⑧. To cancel the setting, push the [Cancel] button ⑨.
8. Push the [OK] button ⑩ on screen 3 Setpoint, then push the [OK] button ⑪ on screen 2 Operation at the end.

Setting Auto Changeover

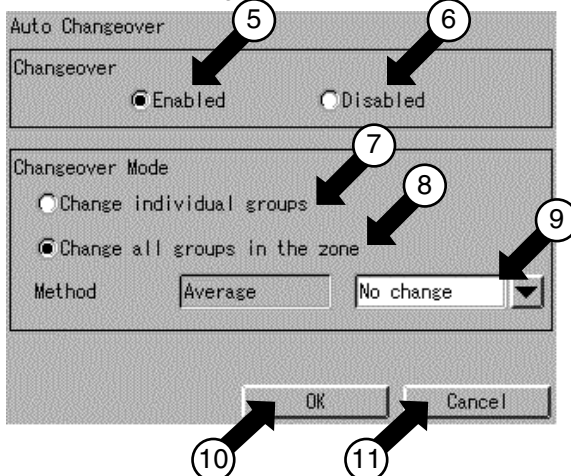
Screen 1 Monitoring



Screen 2 Operation



Screen 3 Auto Changeover



Change the Auto Changeover setting.

On the Monitoring screen, operation is possible with the Icon, Detailed Icon, or List display type.

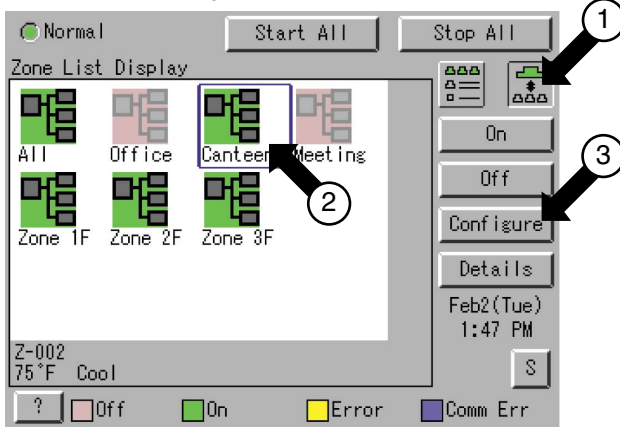
The Auto Changeover setting can be changed by zone.

[Procedure]

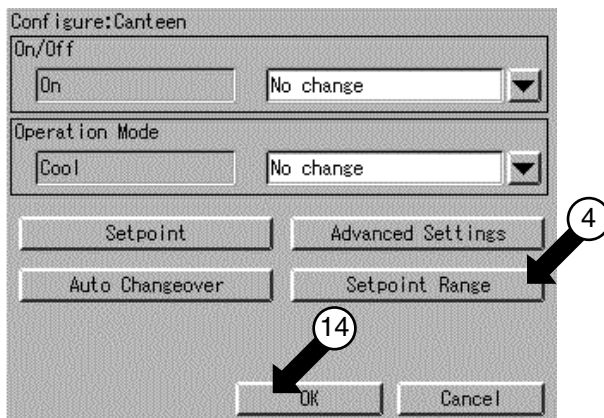
1. On Screen 1 Monitoring, push the button ① and select a zone.
2. On the section ②, select the zone for which the setpoint temperature is to be changed.
3. Push the [Configure] button ③. Screen 2 Operation is displayed.
4. Push the [Auto Changeover] button ④. Screen 3 Auto Changeover is displayed.
5. To enable Changeover, push radio button ⑤.
To disable Changeover, push radio button ⑥.
6. If the Changeover setting is enabled, set the Changeover mode.
To control by group, push radio button ⑦.
To control by zone, push radio button ⑧.
7. If control is by zone, set the method for determining the representative temperature.
Set the method for determining the representative temperature using the pull-down menu ⑨.
The following 2 settings are available.
Average
Fixed
8. When settings are completed, push the [OK] button ⑩.
To cancel the setting, push the [Cancel] button ⑪.

Setting the Setpoint Temperature Range

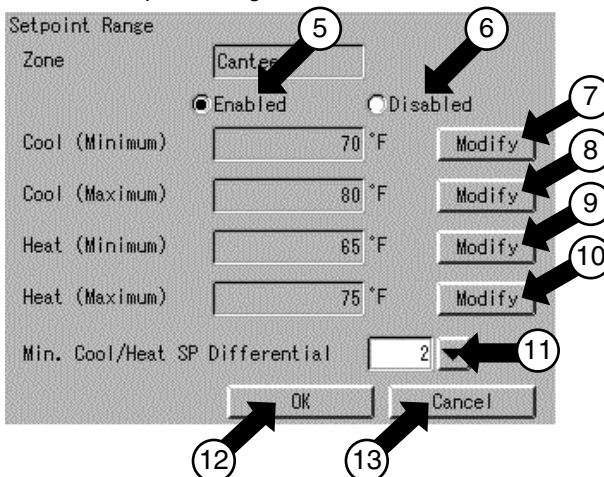
Screen 1 Monitoring



Screen 2 Operation



Screen 3 Setpoint Range



Change the setpoint range.

On the Monitoring screen, operation is possible with the Icon, Detailed Icon, or List display type.

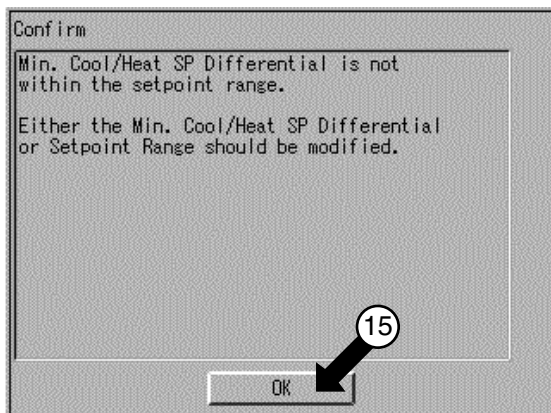
The setpoint range can be changed by zone.

[Procedure]

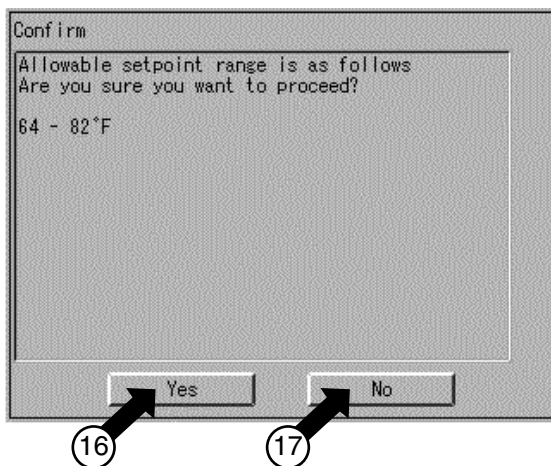
1. On Screen 1 Monitoring, push the button ① and select a zone.
2. On the section ②, select the zone for which the setpoint is to be changed.
3. Push the [Configure] button ③. Screen 2 Operation is displayed.
4. Push the [Setpoint Range] button ④. Screen 3 Setpoint Range is displayed.
5. To enable the setpoint range, push radio button ⑤. To disable the setpoint range, push radio button ⑥.
6. If the setpoint range is enabled, set the setpoint range.
To set the minimum value for cooling, push the [Modify] button ⑦.
To set the maximum value for cooling, push the [Modify] button ⑧.
To set the minimum value for heating, push the [Modify] button ⑨.
To set the maximum value for cooling, push the [Modify] button ⑩.
When the [Modify] button is pushed, the setpoint dialog box is displayed. Enter the temperature to set.
7. To set the minimum cool / heat setpoint differential, select from the pull-down menu ⑪.
If "0*" is selected from ⑪, the cool setpoint tracks the heating setpoint.
8. When settings are completed, push the [OK] button ⑫.
To cancel the setting, push the [Cancel] button ⑬.
9. Finally, push the [OK] ⑭ button on screen 2 Operation.

Setting the Setpoint Temperature Range

Screen 4 Confirm (Error)



Screen 5 Confirm (Tracking Mode)



[Procedure]

10. If there is a contradiction in the setpoint temperatures when the [OK] button is pushed, Screen 4 Confirm (Error) is displayed. Push the [OK] button 15 and make the settings again.
11. If tracking mode is selected when the [OK] button is pushed, Screen 5 Confirm (Tracking Mode) is displayed. If there are no problems, push the [Yes] button 16. To cancel the setting, push the [No] button 17.

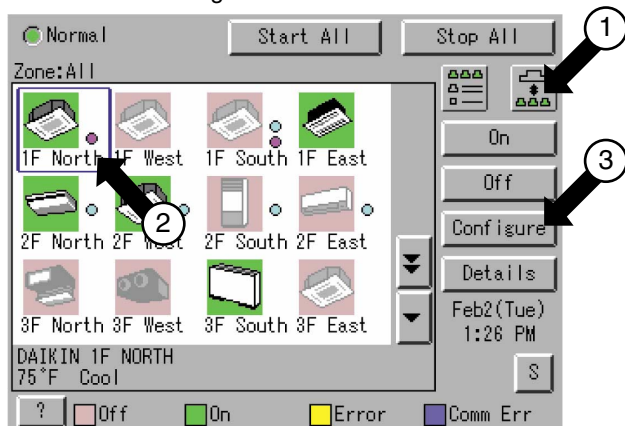
[About the minimum cool / heat setpoint temperature difference]

The cooling setpoint temperature is limited by the following formula based on the minimum cool / heat setpoint temperature difference.

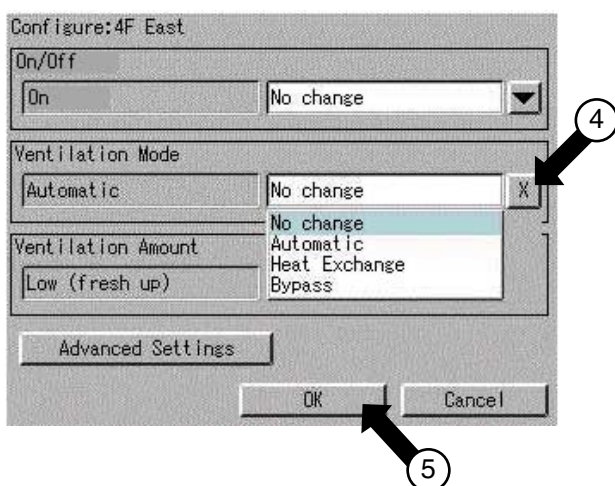
Cooling setpoint temp. \geq Heating setpoint temp. + Minimum cool / heat setpoint temperature differential

Set Ventilation Mode

Screen 1 Monitoring



Screen 2 Operation



Perform the following procedure to switch the ventilation mode:

On the monitoring screen, you can select any of the following display types: Icon, Detailed Icon, or List.

When changing the ventilation modes of all the ventilation groups of a zone, select the zone and switch the ventilation mode.

When changing the ventilation mode of a group, select the group and switch the ventilation mode.

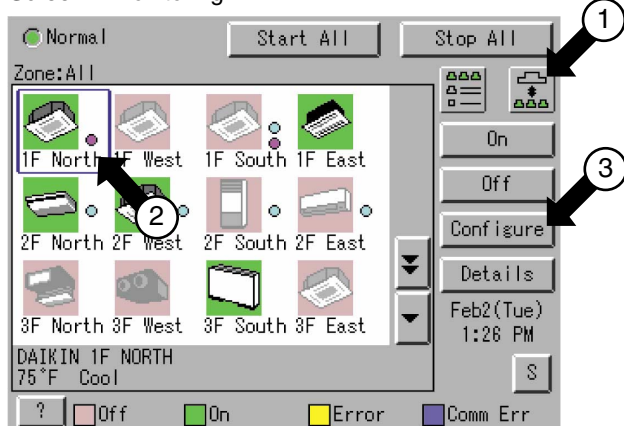
[Procedure]

1. On Monitoring Screen Screen 1, select a zone or group by pushing the button ①.
2. To select a zone or group subject to ventilation mode switching, push the icon ②.
3. Push [Configure] button ③ to display Operation Screen Screen 2.
4. Select a desired ventilation mode on the pull-down menu ④.
5. Last, press [OK] button ⑤.
To cancel above settings, press [Cancel] button.

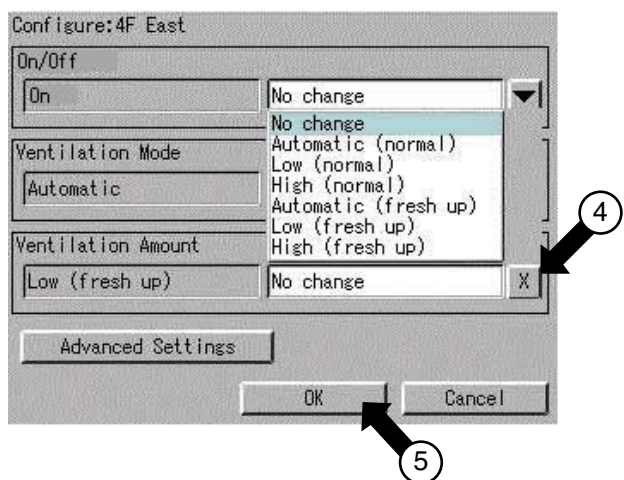
* Not all models permit the above settings.

Set Ventilation Volume

Screen 1 Monitoring



Screen 2 Operation



Perform the following procedure to change the ventilation volume:

On the monitoring screen, you can select any of the following display types: Icon, Detailed Icon, or List.

When changing the ventilation volumes of all the ventilation groups of a zone, select the zone and switch the ventilation volume.

When changing the ventilation volume of a group, select the group and switch the ventilation volume.

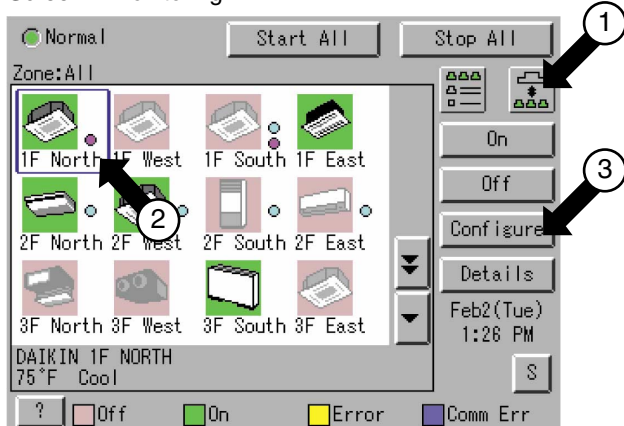
[Procedure]

1. On the Monitoring Screen Screen 1, select a zone or group by pushing the button ①.
2. To select a zone or group subject to ventilation volume switching, push the icon ②.
3. Push [Configure] button ③ to display Operation Screen Screen 2.
4. Select a desired ventilation volume on the pull-down menu ④.
5. Lastly, push [OK] button ⑤.
To cancel above settings, press [Cancel] button.

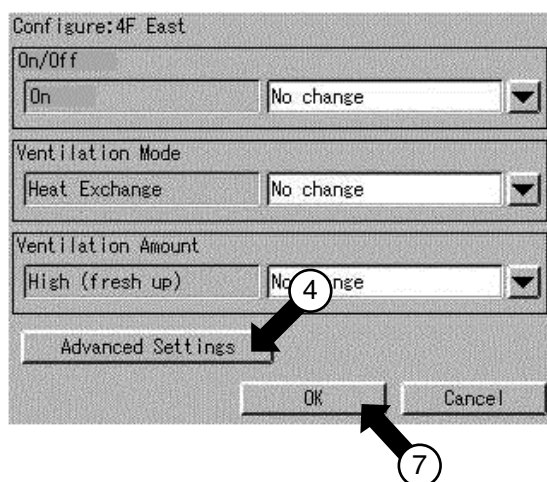
* Not all models permit the above settings.

Permit / Inhibit setting of Ventilation Remote Control Operations

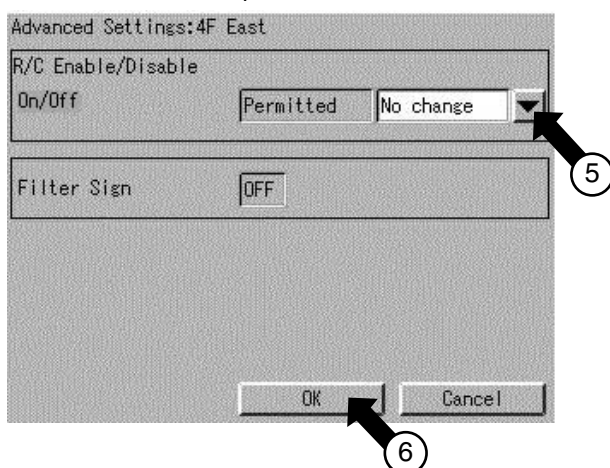
Screen 1 Monitoring



Screen 2 Operation



Screen 3 Advanced Operation



Perform the following procedure to enable or disable the ventilation remote control operations:

On the monitoring screen, you can select any of the following display types: Icon, Detailed Icon, or List.

You may enable or disable the remote control operations in units of zones or groups.

[Procedure]

1. On the Monitoring Screen Screen 1, select a zone or group by pushing the button ①.
2. To select a zone or group subject to ventilation volume switching, push the icon ②.
3. Push [Configure] button ③ to display the Set Screen Screen 2.
4. Push [Advanced Settings] button ④ to display the Advanced Settings Screen Screen 3.
5. Make a desired setting on the pull-down menu ⑤.
You can enable or disable the following setup items for remote control:
Prohibited
Off Only
Permitted
No change
After making the setting, push [OK] button ⑥ to display the Set Screen Screen 2 again.
To cancel above settings, push [Cancel] button.
6. Lastly, push [OK] button ⑦ on the Set Screen.

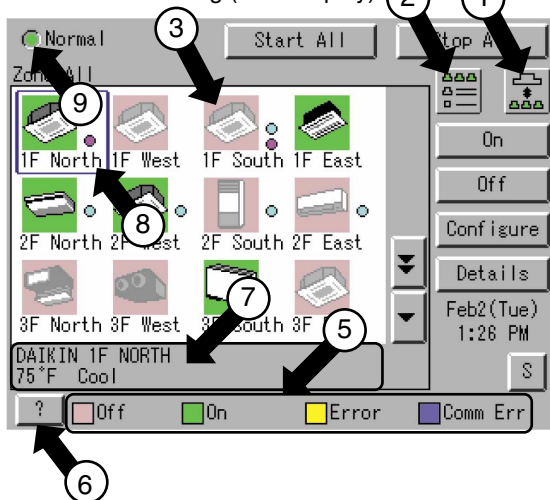
* Not all models permit the above settings.

[Details of Setting]

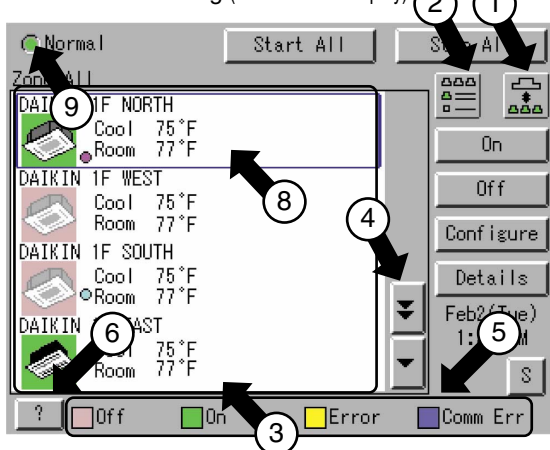
Item	Setting	Meaning
On/Off	Prohibited	The remote control cannot start or stop operation.
	Off Only	The remote control can stop the operation of air conditioners in operation but cannot start air conditioners not in operation.
	Permitted	The remote control can start or stop operation.

Monitor Zone or Group Operation Status

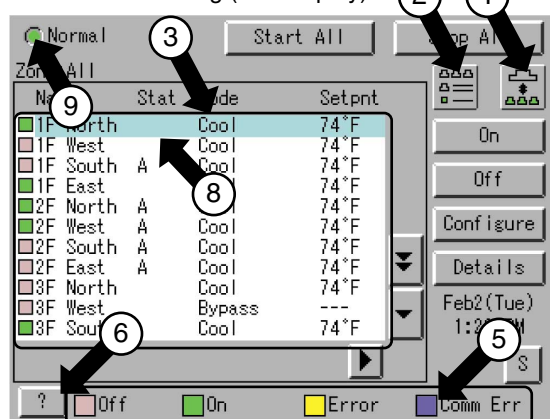
Screen 1 Monitoring (Icon Display)



Screen 2 Monitoring (Detailed Icon Display)



Screen 3 Monitoring (List Display)



Monitor Zone or Group Operation Status

On the monitoring screen, you can select any of the following display types: Icon, Detailed Icon, or List. Push the button ② to select a display type. Display type selection takes place repeatedly in the order of icon, detailed icon and list.

You may monitor the operation status in units of zones or groups. Examples of display types are shown in left figures.

Screen 1 Display type	: Icon
Unit of monitoring	: Group
Screen 2 Display type	: Detailed icon
Unit of monitoring	: Group
Screen 3 Display type	: List
Unit of monitoring	: Zone

[Descriptions of Display Items on the Screen]

At ③ displays information concerning a zone or group, including the operation active or inactive status and the presence / absence of faults, automatic control settings, filters and element signs, etc.

Push the button ④ to change a display scope. When the number of registered zones or groups is small and all the zones or groups can be displayed within one screen, this button does not appear. See Screen 3.

Display of ⑤ indicates a legend. When requiring a more detailed legend, display the Legend Description Screen Screen 4 on the next page by pushing the [?] button ⑥.

To return to the previous screen, push Close button.

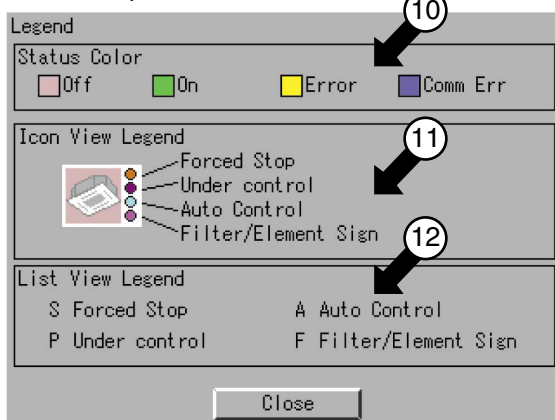
⑧ displays the current zone or group. You may select another zone or group by pushing the screen.

On Screen 1, ⑦ displays the settings of the zone or group selected at ⑧. (Icon display only) Display takes place in the following order:

- Upper : Detailed name for a zone or group
 - Lower left : setpoint
- For a zone, this also indicates the setpoint set for the representative machine (Note).
- Lower right : Operation mode
- For a zone, this also indicates the operation mode for the representative machine (Note).
- When an error occurs, the corresponding error code is indicated in the lower area.

Monitor Zone or Group Operation Status

Screen 4 Operation



At ⑨, you can monitor at a glance the operation status of all air conditioners connected to the intelligent Touch Controller.

When no problem is found and one or more air conditioners are operating : Display in red

When no problem is found and air conditioners are not operating : Display in green

When one or more wrong air conditioners are found : Display in yellow

When one or more air conditions with communication errors are found : Display in blue

You may change the colors indicating the operation active or inactive status through the use of Icon Color Setting on the System Setting menu.

See page 34 for Icon color setting.

NOTE: Representative zone

When monitoring takes place in units of groups on the Monitoring Screen, the following groups indicate the zone representative machines.

- When the display type is icon : Leftmost group on the top line
- When the display type is detailed icon or list: Groups on the top line.

⑩ displays the operation status of an air conditioner.

For zone list display, display takes place as shown below.

- When no problem is found and one or more air conditioners are operating : Display in green
- When no problem is found and no air conditioner is operating : Display in pink
- When one or more wrong air conditioners are found : Display in yellow
- When one or more air conditions with communication errors are found : Display in blue

You may change the colors indicating the operation active or inactive status through the use of Icon Color Setting on the System Setting menu.

See page 34 for Icon color setting.

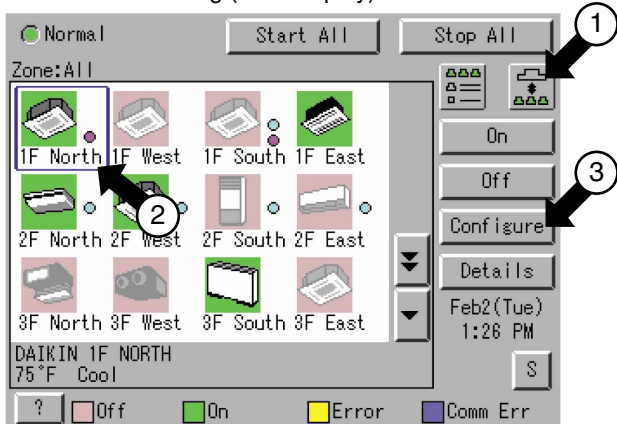
⑪ provides for icon or detailed icon display.

⑫ provides for list display.

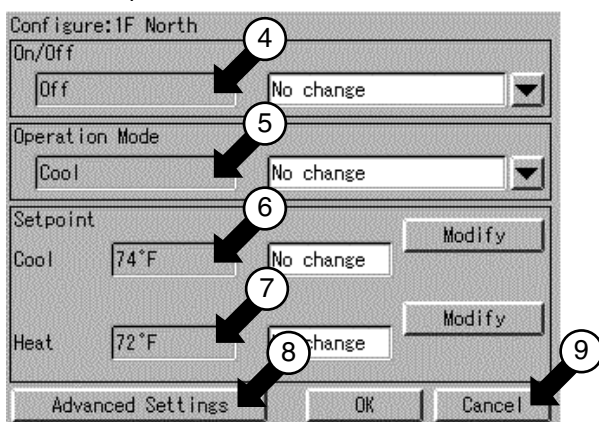
Machines subject to automatic control are displayed only when schedule settings are made.

Monitoring Detailed Information

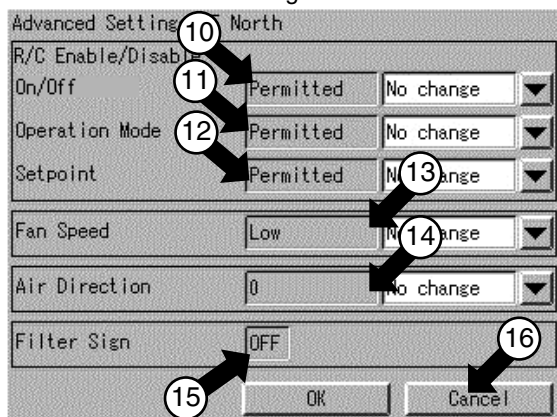
Screen 1 Monitoring (Icon Display)



Screen 2 Operation



Screen 3 Advanced Settings Screen



Monitoring the Operation Status of a Group in Detail
When monitoring the operation status in detail, you may select one of three display types: icon, detailed icon, and list.

You may monitor the details of the operation status in units of zones or groups. First, we will explain the procedure for monitoring groups.

[Procedure]

1. On Screen 1 Monitoring, push the button ① and select the group.
2. On the section ②, select the air conditioner to monitor, then push the [Configure] button ③. Screen 2 Operation is displayed. To return to Screen 1 Monitoring, push the [Cancel] button ⑨.

The following describes in order the contents which are displayed on Screen 2. Items ④ - ⑦ show the current status of the selected group.

In the case of the display at left, the meanings of the screen data are as shown below.

- ④ Operation on / off status : Off
- ⑤ Operation mode setting : Cool
- ⑥ Cool setpoint temp. : 74°F
- ⑦ Heat setpoint temp. : 72°F

3. Push [Advanced Settings] button ⑧ to display the Advanced Settings Screen Screen 3. To return to the Monitoring Screen Screen 1, push [Cancel] button ⑨.

The following describes in order the contents of display data on the Advanced Settings Screen Screen 3.

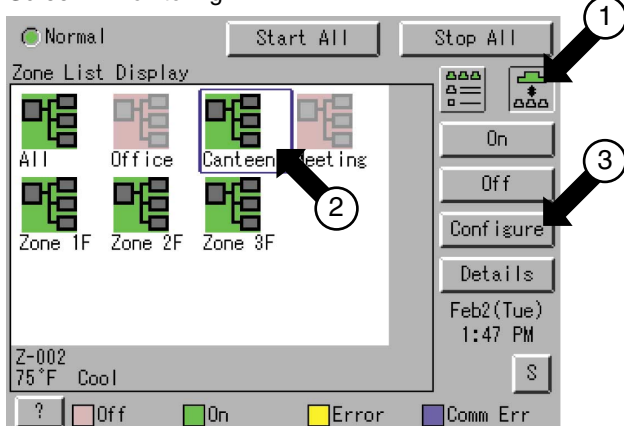
- ⑩ displays the settings made for start and stop remote control operations. Prohibited, Off Only or Permitted is displayed.
- ⑪ displays the settings made for remote control operations to change the operation mode. Either Permitted or Prohibited is displayed.
- ⑫ displays the settings for remote control operations to change the setpoint. Either Permitted or Prohibited is displayed.
- ⑬ displays the current status of the Fan Speed.
- ⑭ displays the direction of wind. A value from 1 to 7 is displayed. Wind flows more vertically as the setting value becomes larger in a range from 0 to 6. When the setting value 7 is displayed, the direction of wind is swung automatically. Note that these descriptions may vary from model to model. Check for a wind direction displayed on the remote control.
- ⑮ displays a filter sign. Either ON and OFF is displayed.

* Display data on Screens 2 and 3 is updated each time the respective screens are displayed. Once these screens are displayed, no data is updated unless they are closed and opened again.

4. Check the settings and push [Cancel] button ⑯.

Monitoring Detailed Information

Screen 1 Monitoring



Following is the procedure for monitoring zones.

[Procedure]

1. On Screen 1 Monitoring, push button ① and select the zone.
2. On the section ②, select the zone to monitor, then push the [Configure] button ③.
Screen 2 Operation is displayed.
To return to Screen 1 Monitoring, push the [Cancel] button ⑪.

The following describes in order the contents which are displayed on Screen 2.

Items ④ - ⑤ show the current status of the representative air conditioner in the selected zone.

In the case of the display at left, the meanings of the screen data are as shown below.

- ④ Operation on / off status : On
- ⑤ Operation mode setting : Cool

3. Push the [Setpoint] button ⑥.
Screen 3 Setpoint is displayed. To return to Screen 2 Operation, push the [Cancel] button ⑫.

The following describes in order the contents which are displayed on Screen 3.

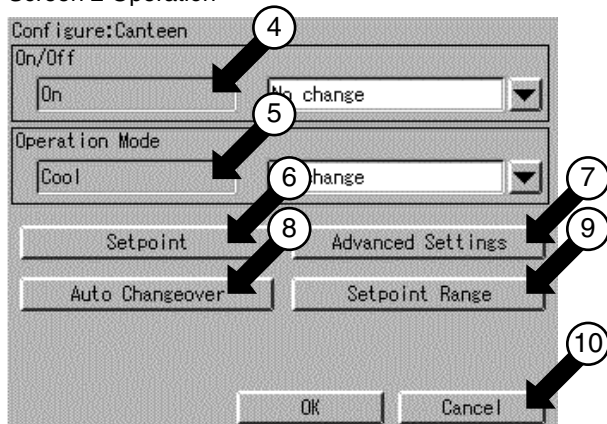
Items ⑪ - ⑫ show the cooling and heating setpoint temperatures for the representative air conditioner in the selected zone.

Items ⑬ - ⑭ show the setup and setback setpoint temperatures for the selected zone.

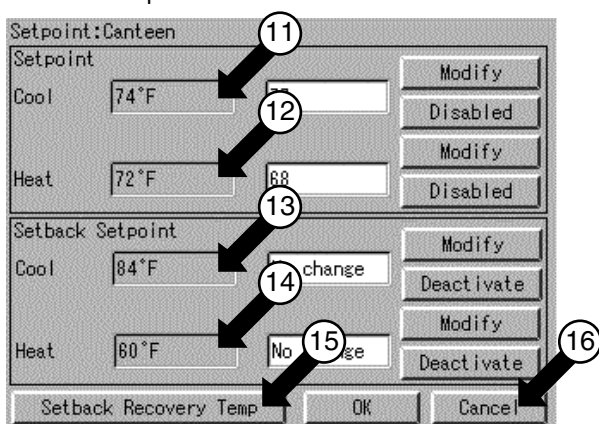
In the case of the display at left, the meanings of the screen data are as shown below.

- ⑪ Cooling setpoint temp. : 74°F
- ⑫ Heating setpoint temp. : 72°F
- ⑬ Setup temp. : 84°F
- ⑭ Setback temp. : 60°F

Screen 2 Operation



Screen 3 Setpoint



Monitoring Detailed Information

Screen 4 Setback Recovery Temp

Setback Recovery Temp

Cool - 4°F No change

Heat + 4°F No change

OK Cancel

Screen 5 Advanced Settings

Advanced Settings:All

R/C Enable/Disable On/Off Permitted No change

Operation Mode Permitted No change

Setpoint Permitted No change

Fan Speed Low No change

Air Direction 4 No change

Filter Sign OFF

OK Cancel

- Push the [Setback Recovery Temp] button ⑮.
Screen 4 Setpoint Recovery Temp is displayed.
To return to Screen 3 Setpoint, push the [Cancel] button ⑲.
The following describes in order the contents which are displayed on Screen 4.
Items ⑰ - ⑱ show the cooling recovery temperature and heating recovery temperature differences that are set for the selected zone.
In the case of the display at left, the meanings of the screen data are as shown below.
⑰ Cool recovery temp. difference : -4°F
⑱ Heat recovery temp. difference : +4°F

- Push the [Advanced Settings] button ⑦.
Screen 5 Advanced Settings is displayed.
To return to Screen 2 Operation, push the [Cancel] button ⑳.
The following describes in order the contents which are displayed on Screen 5 Advanced Settings.
⑳ displays the setting for remote control operations related to operation on / off. One of the following is displayed.
Prohibited, Off Only, or Permitted
㉑ displays the setting for remote control operations related to the operation mode. One of the following is displayed.
Prohibited or Permitted
㉒ displays the setting for remote control operations related to setpoint temperature changes. One of the following is displayed.
Prohibited or Permitted
㉓ displays the current fan speed.
If the air conditioner has 3 fan speeds, **Low, Middle, or High** is displayed.
If the air conditioner has 2 fan speeds, **Low or Middle** is displayed.
㉔ displays the current air direction. A number from 0 – 7 is displayed.
With air direction settings 0 – 6, the direction is closer to vertical with larger numbers.
Setting 7 indicates automatic swing.
However the above may vary depending on the model. Check the air direction display on the remote controller.
㉕ displays the filter sign.
Either **ON** or **OFF** is displayed.

Monitoring Detailed Information

Screen 6 Auto Changeover

Screen 7 Setpoint Range

6. Push the [Auto Changeover] button ⑧. Screen 6 Auto Changeover is displayed. To return to Screen 2, push the [Cancel] button ⑩.

The following describes in order the contents which are displayed on Screen 6 Auto Changeover.

②⑦ displays the changeover enabled / disabled status.

A checkmark appears next to the radio button that is currently selected.

②⑧ displays the changeover mode setting.

A checkmark appears next to the radio button that is currently selected.

②⑨ displays the method for determining the representative temperature when control by zone is selected.

One of the following is displayed.

Average or Fixed

In the case of the screen shown at left, the display is as shown below.

Changeover enabled / disabled : Enabled
Changeover mode : Change all groups in the zone

Method of determining the representative temp. : Average

7. Push the [Setpoint Range] button ⑨. Screen 7 Setpoint Range is displayed. To return to Screen 2 Operation, push the [Cancel] button ⑪.

The following describes in order the contents which are displayed on Screen 7 Setpoint Range.

③① displays the setpoint temperature range enabled / disabled status.

A checkmark appears next to the radio button that is currently selected.

③② - ③⑤ display the maximum and minimum values for the cool / heat setpoint ranges.

③⑥ displays the setting for the minimum cool / heat setpoint temperature differential.

In the case of the screen shown at left, the display is as shown below.

③① Temp. setpoint limit enabled/disabled : Enabled

③② Cool setpoint temp. (minimum) : 70°F

③③ Cool setpoint temp. (maximum) : 80°F

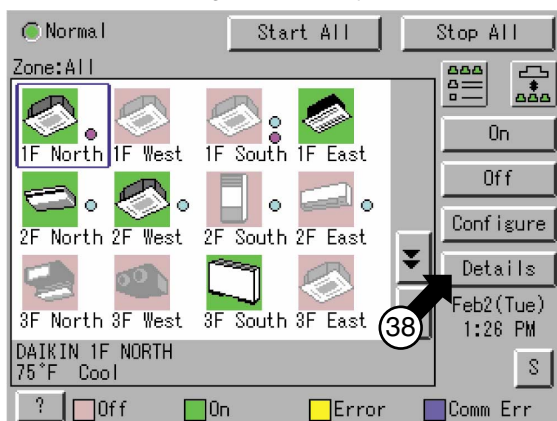
③④ Heat setpoint temp. (minimum) : 65°F

③⑤ Heat setpoint temp. (maximum) : 75°F

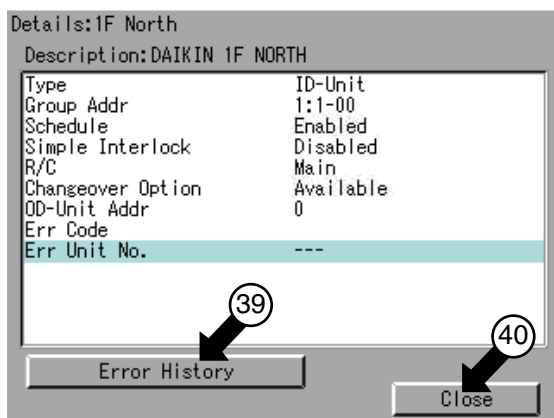
③⑥ Minimum cool / heat setpoint temp. differential : 2°F

Monitoring Detailed Information

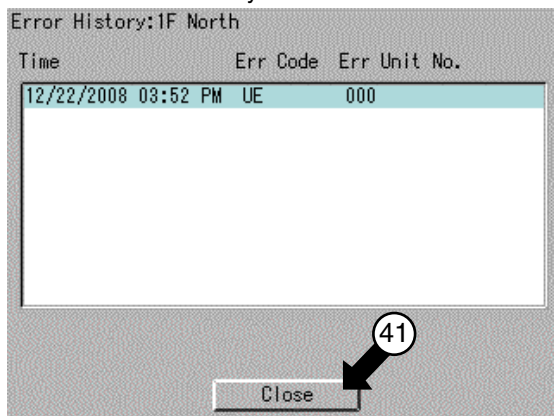
Screen 8 Monitoring (Icon Display)



Screen 9 Detailed Information Screen



Screen 10 Error History Screen



8. Push [Details] button ③⑧.

The following maintenance data is displayed on the Detailed Information Screen Screen 9.

Note that screens in the left-hand column are examples for group selection.

[For group selection]

Name : Group name
 Detailed name : Detailed group name
 Type : ID-Unit / HRV / D3Dio / D3Di
 Group Address : 1:1-00 to 1:4-15
 When DIII-NET Plus adapter is enabled:
 1:1-00 to 2:4-15
 Schedule : Enabled or disabled
 Simple Interlock : Disabled
 R / C : Main or Sub
 Changeover Option : N/A / Available / Selectable
 OD-Unit Address : Outside unit address
 Err Code : 2-digit error code in case of error occurrence
 Err Unit No. :
 : [-] for no error or unit number for error

[For zone selection]

Details : Zone name
 Description : Detailed zone name
 Sequential Start : Enabled or disabled
 No. of Regist Grp : Number of groups registered in a zone
 Schedule : Enabled or disabled

9. Push [Error history] button ③⑨ to display the Error History Screen (Screen 10).

The following data is displayed on the Error History.

[For group selection]

Name : group name
 Detailed name : Detailed group name
 Error log :
 • Time : Error occurrence time
 • Err Code : 2-digit error code
 • Err Unit No : Unit number

[For zone selection]

Name : group name
 Error log :
 • Time : Error occurrence time
 • Name : Error occurrence group name
 • Err Code : 2-digit error code
 • Err Unit No : Unit number

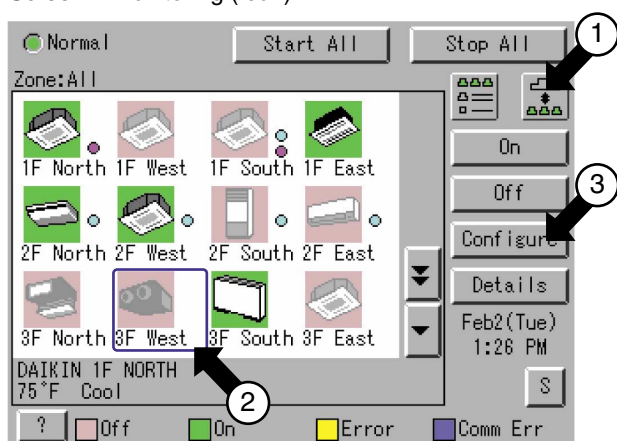
Top 10 error logs are displayed, assigning the highest priority to the time of the latest error.

* When the same error recurs, the error time is renewed.

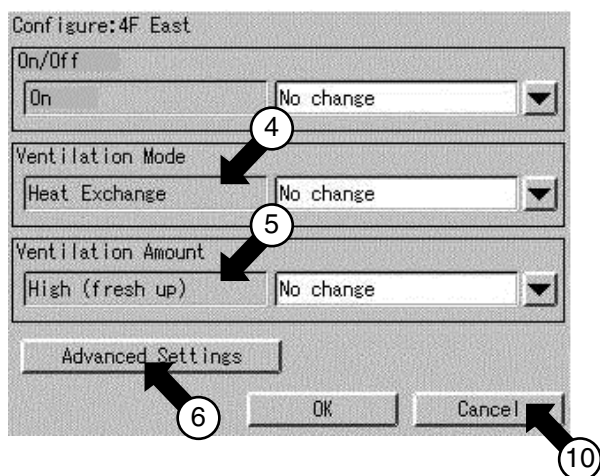
Check for display data and push [Close] button ④① to return to the detailed information screen Screen 9. To return to the Monitoring Screen Screen 8, push [Close] button ④① on that screen.

Monitoring Detailed Information

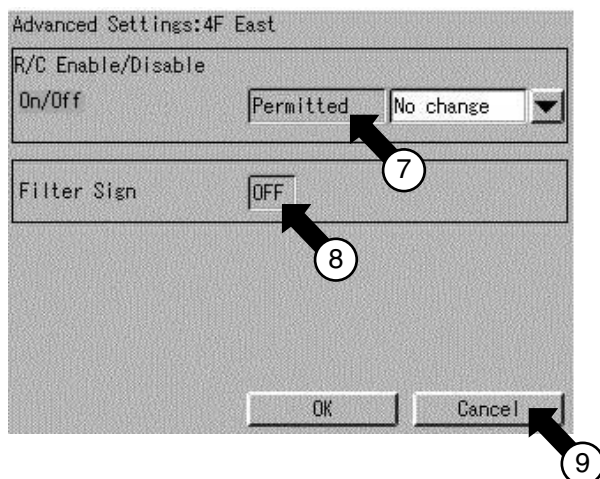
Screen 1 Monitoring (Icon)



Screen 2 Operation



Screen 3 Advanced Operation



Monitor Ventilation Status of a zone or group in Detail
When monitoring the operation status in detail, you may choose any of three display types, icon, detailed icon and list.

You may monitor the details of the operation status in units of zones or groups.

1. Select either Zone or Group by pushing the button ①.
Note that the screens in the left-hand column are examples of Group choices.
2. Select the unit to monitor on the section ②, then push [Configure] button ③ to display Operation Screen Screen 2.
The following describes in order the contents of display data on Screen 2.
The grayed characters ④ and ⑤ indicate the current status of the selected zone or group.
The following data is displayed on the screen of the left-hand column.
Ventilation mode : Heat Exchange
Ventilation amount: High (Fresh up)

3. Push the [Advanced Settings] button ⑥ to display the Advanced Settings screen Screen 3.
To return to the Monitoring Screen Screen 1, push [Cancel] button ⑩.

The following describes in order the contents of display data on the Advanced Settings screen Screen 3.

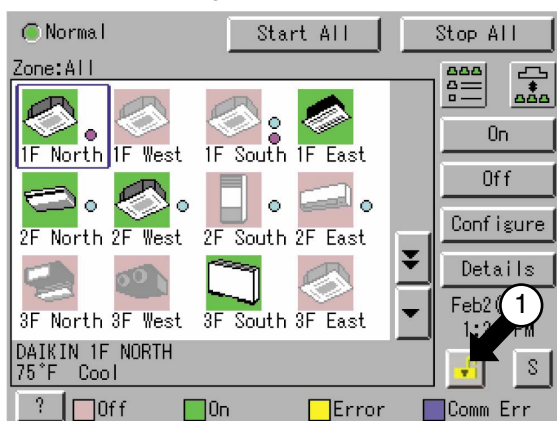
- ⑦ displays the settings made for start- or stop-related remote control operations.
Prohibited, Off Only or Permitted is displayed.
- ⑧ displays a filter sign.
ON or OFF is displayed.

* Display data on Screens 2 and 3 is updated each time the respective screens are displayed. Once these screens are displayed, data is not updated unless they are closed and opened again.

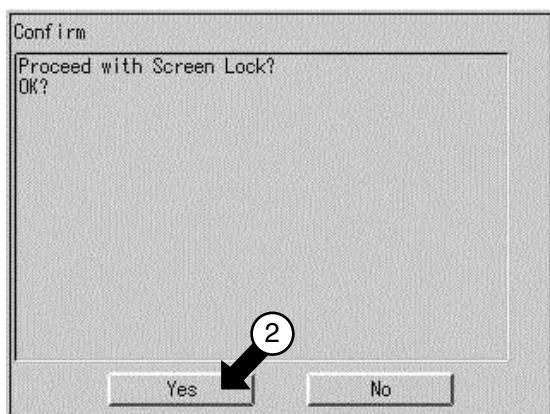
4. Check for display data and push [Cancel] button ⑨.

To set / release the lock of screen operation

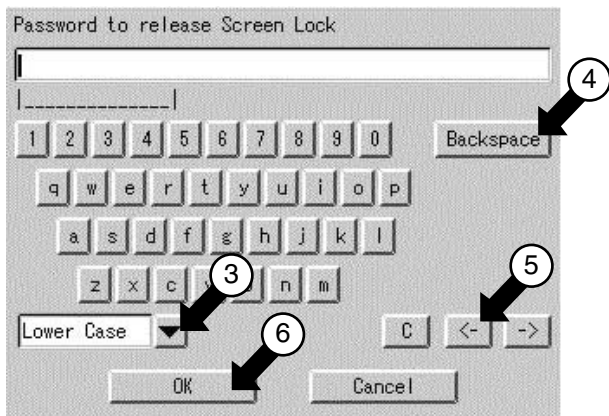
Screen 1 Monitoring (Icon)



Screen 2 Confirm



Screen 3 Password to release Screen Lock



Lock and Unlock Operations on the Screen

You may use a password to lock and unlock operations on the screen.

To make this lock / unlock setting, you have to assign an unlock password on page 57 beforehand. The key mark in the following figure does not appear unless this setting is made.



Unlock icon

This icon indicates that operations on the screen have been unlocked.



Lock icon

This icon indicates that operations on the screen have been locked. In this state, you cannot manipulate the air conditioner or the system.

[Lock method]

1. While the unlock button is displayed, push the button ① to display the Confirmation Screen Screen 2.
2. Push Yes button ② to return to the Monitoring Screen Screen 1 with the operations locked. Push No button not to lock the operations.

[Unlock method]

3. While the lock icon is displayed, push the button ①, Air conditioner Operation button or System Operation button to display the Password to release Screen Lock Screen 3.
4. Enter the password assigned for unlock password protection on page 57.

[Lock method]

- ③ : Toggle button for switching uppercase letters to lowercase letters
- ④ : Correction button for characters Backspace button to erase incorrect character(s).
- ⑤ : Button for moving the cursor. After entering the password, push OK button ⑥.

To cancel the entered password, push Cancel button and return to the Monitoring Screen Screen 1.

System Settings Menu

The System Settings menu includes the following items:

System menu :



- Passwords
- Date/Time
- Backlight
- Zone / Group
- Locale
- Network
- Web Server
- Icon color
- Activation key input
- History
- Touch Panel Calibration
- Version Information
- Celsius / Fahrenheit

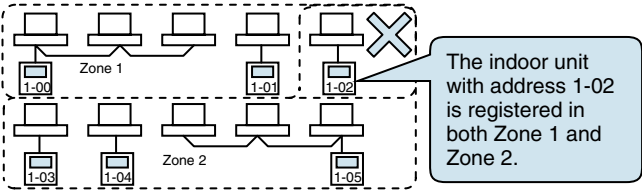
Automatic Control :

- Schedule
- Automatic Changeover *
- Alarm E-mail
- Simple Interlock



* Automatic Changeover is set as a portion of the zone setting (page 26).

The following table describes the items mentioned above.

System Settings Menu Item	Description	Operation (Reference)
Passwords	<p>You can set passwords to restrict persons responsible for control operations.</p> <ol style="list-style-type: none"> 1. Assigning administrator passwords You may assign administrator passwords to restrict system menu operations. 2. Assigning unlock passwords You may assign unlock passwords to restrict air conditioner and system menu operations. When both passwords have been assigned, you have to reset them twice to resume the system menu operations. <p>Important: Be careful to retain the assigned passwords because if forgotten or lost you cannot perform system operations and must contact a dealer in your area. When you don't remember them, contact a dealer in your area.</p>	<p>See page</p> <p> 61</p>
Date/Time	<p>Adjust the system clock (year, month, day, hour, minute and second). The date display sequence (month / day / year, day / month / year) and 12 / 24-hour time display format can be changed. The clock is used for scheduled operation, saving history, power distribution (optional) and demand operation (optional). Note : Adjusting the clock may affect scheduled operation, power distribution or demand operation. For details of adjustment effects, read the following bullets, and for power distribution and demand operation refer to the instruction manual. Impact of changing the clock setting of a scheduled operation:</p> <ul style="list-style-type: none"> ● The operation scheduled to run at a time passed by advancing the clock is not performed. However, if the time difference before and after adjustment is less than 2 minutes, the scheduled operation is executed. Ex.: When an air conditioner is scheduled to start at 10:00 (①): If the time is adjusted to 10:05 at 9:55, <u>the scheduled</u> operation (①) is not performed. ● The operation scheduled to run at a time reached again by turning back the clock is performed again. However, if the time difference before and after adjustment is less than 2 minutes, the scheduled operation is not executed. Ex.: When an air conditioner is scheduled to start at 10:00 (①): If the time is adjusted to 9:55 at 10:05, <u>the scheduled</u> operation (①) is performed again at 10:00. 	<p>See page</p> <p> 62</p>

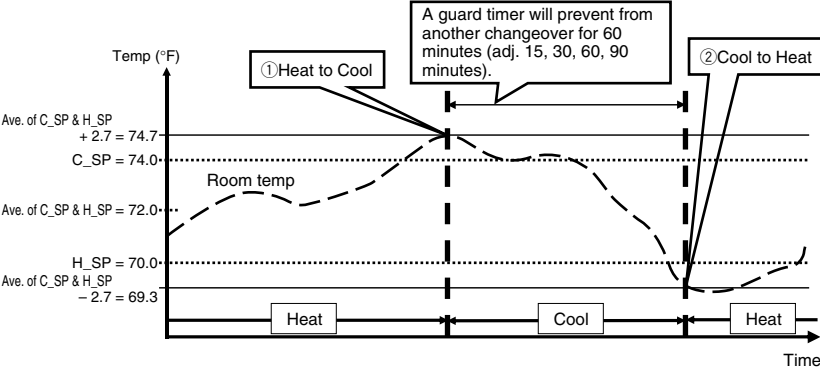
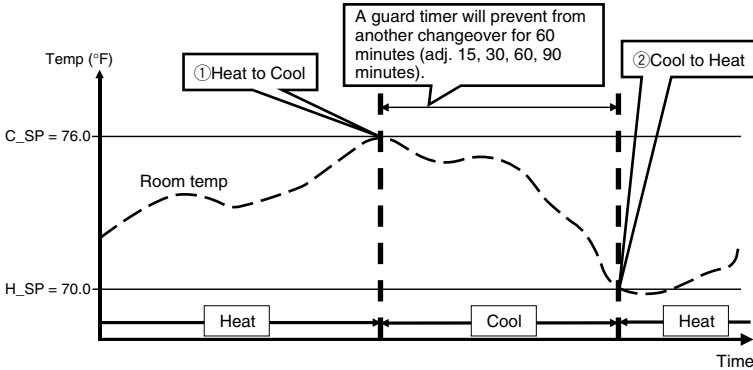
System Settings Menu Item	Description	Operation (Reference)
Backlight	<p>A backlight is used for the LCD of the intelligent Touch Controller. The backlight has its service life and the luminance of the backlight is reduced in proportion to the period of time it is illuminated. This setting is for preventing the luminance from being reduced in a short time by automatically turning the backlight OFF when the touch panel has been left untouched for a set period of time. If the backlight has been turned off automatically, touching the panel illuminates the backlight again.</p> <p>Backlight setting includes the following two steps :</p> <ol style="list-style-type: none"> 1. Set the time before the backlight is automatically turned OFF. Range : 1 - 60 minutes in increments of one minute. 2. Set whether the backlight should be automatically illuminated when any error is generated in the air conditioner while the backlight is turned OFF. Enable / Disable <p>NOTE: If this setting is not made, the backlight generally requires replacement every 3 - 4 years. The life of the backlight becomes even shorter if it is illuminated in a low temperature (50°F/10°C or lower) environment for a long time. When using the intelligent Touch Controller in a low temperature environment, it is recommended that a shorter time is set if above instruction #1., and disabled if #2.</p>	<p>See page</p> <p>63</p>
Zone / Group	<p>Set the name, description, icons to be displayed.</p> <p>If this registration is not made, addresses for central management of the group is used for the Name and Description. Operation is not affected if these settings are not made.</p> <p>Addresses for central management include up to 64 addresses 1-00, 1-01, 1-15, 2-00, 4-15.</p> <p>During use of DIII plus adaptor, addresses are 128, 1:1-00 to 2:4-15.</p> <p>NOTE: Do not register 1 indoor unit group in multiple zones. The settings may conflict and result in operation that is not expected.</p> 	<p>See page</p> <p>64</p>
	<p>Set the name, description, icons to be displayed and sequential starting of the groups registered for a zone (see Note), and groups to be registered for the zone. The zone includes Collective, for which all groups are registered in advance. This zone is made available for making the settings for all of the air conditioners connected to the intelligent Touch Controller. The name, description or registered groups cannot be changed for this Collective zone.</p> <p>NOTE: Setting sequential starting of groups registered for the zone</p> <p>When multiple groups are registered for a zone and operation is performed by the zone, air conditioner outdoor units start operation at one time. If many outdoor units start at the same time, a large amount of current is used momentarily, which may trip the breaker when the power capacity of the receiving device is not enough. This setting is a function to prevent such phenomenon by starting air conditioners one by one.</p> <p>MEMO 1: When power distribution (optional) is performed, the zone registered here becomes the unit for distribution (tenant). Register the zone setting by the tenant.</p> <p>MEMO 2: One group can be registered for more than one zone.</p>	<p>See pages</p> <p>65 to 66</p>

System Settings Menu Item	Description	Operation (Reference)
Locale	<p>This menu permits you to select a language from the list displayed on the intelligent Touch Controller.</p> <p>By setting locale, you can display data in the selected language on the intelligent Touch Controller.</p>	<p>See page</p> <p>66</p>
Network	<p>This menu permits you to set an IP address for the intelligent Touch Controller.</p> <p>REMARKS: When using a Web function (option), you have to set the IP address, subnet mask, etc. according to the environmental requirements of your system.</p>	<p>See page</p> <p>67</p>
Web Server	<p>This menu permits you to set the Port number of intelligent Touch Controller.</p> <p>REMARKS: When using Web software (option), you can set Web server. Set according to the environment requirements of your system.</p> <p>Setting of the Port number makes unable to access Web server by usual http address.</p> <p>Setting of the Port number also protects Web server from Port scan etc. and leads to make firm the security.</p> <p>EXAMPLE:</p> <div data-bbox="384 915 1019 1025" data-label="Diagram"> <pre> graph LR Laptop[Laptop] -- "http://10.1.1.5" --> Blocked((X)) Blocked --> Monitor[Monitor] Monitor -- "http://10.1.1.5:8081" --> Success(()) </pre> </div> <p>* When using usual http address of your PC's IP address (Port number 80), you can not access because the Port number of intelligent Touch Controller is 8081.</p> <p>You have to set either the Port number of your PC to 8081 or that of intelligent Touch Controller to default value 80 to access.</p> <p>Setting range of the Port number of intelligent Touch Controller is 1024-86635.</p>	<p>See page</p> <p>68</p>
Icon Color	<p>This menu permits you to change the icon colors on the intelligent Touch Controller.</p> <p>Icons on the monitoring screen are displayed in the colors set on this menu.</p>	<p>See page</p> <p>69</p>
Activation Key Input	<p>You have to input the activation key to use various options of the intelligent Touch Controller.</p> <p>If necessary, you can check the current license or add the new license.</p> <p>This setting is usually done by sales engineer of our company.</p>	<p>See page</p> <p>70</p>

System Settings Menu Item	Description	Operation (Reference)																																																	
Setting Schedule Outline	<p>This menu permits you to make settings for the scheduled operations in units of zones or groups. The scheduled operations are used to automatically start or stop an air conditioner at the date and time (month, day, day of the week, hour and minute) previously set in the intelligent Touch Controller according to the operating conditions of the air conditioner.</p> <p>The schedule settings can also be used to make the setback settings.</p> <p>The following operations can be scheduled and controlled.</p> <ul style="list-style-type: none">● On / Off ● Override Permission ● Remote control enabled/disabled● Operation mode ● Setpoint ● Setback setpoint ● Ventilation mode (*)● Ventilation volume (*) <p>* Note that these settings cannot be made depending on the model in use.</p> <p>The following patterns can be set as the Week Pattern.</p> <ul style="list-style-type: none">● 7 days (Mon / Tue / Wed / Thu / Fri / Sat / Sun)● Weekday + Weekend ● Weekday + Sat + Sun <p>The following describes a procedure for setting the schedule. (In case of 7 days a week pattern.)</p> <ul style="list-style-type: none">● 11 kinds of dates can be registered including the weekly settings (Sunday to Saturday) and special settings (Ex1 to Ex4). These 11 kinds of dates are registered via following Setting Calendar menu.● Calendar settings, weekly settings and special settings can be made. A maximum of 40 days of special settings can be set for 1 schedule. EXAMPLE: Holidays, summer vacation, special working days, etc.● Lastly, concrete events can be registered on the respective 11 kinds of dates for which 7 weekly settings (Sunday to Saturday) and 4 special settings (Ex1 to Ex4) have been made. EXAMPLE: Setting for starting zone 1 at 9:00AM and stopping it at 5:00PM→ A maximum of 8 operations can be registered for each date.● A maximum of 8 schedules can be registered when the above settings are handled as a single schedule. Individual Week Patterns can be set for a maximum of 8 schedules.																																																		
The following describes how to make the settings, showing a few examples.																																																			
Setting Zone	<p>1. [Utilization of floors]</p> <p>1F : Reception Register "1F" as a zone name. 2F : Office Register "2F" as a zone name. 3F : Canteen Register "3F" as a zone name.</p>	See page 																																																	
Schedule Setting Calendar	<p>2. [Make the weekly and special settings on the setting calendar menu for the above zones]</p> <table><tr><th>Zone name Day of the week</th><th>Zone 1F</th><th>Zone 2F</th><th>Zone 3F</th></tr><tr><td>Sunday</td><td>Holiday</td><td>Holiday</td><td>Holiday</td></tr><tr><td>Monday</td><td>9:30AM to 6:00PM: Working hours</td><td>8:30AM to 5:00PM: Working hours 12:00PM to 1:00PM: Lunch hour 5:00PM to 10:00PM: Overtime 10:00PM: Locking</td><td>9:30AM to 2:30PM: Working hours</td></tr><tr><td>Tuesday</td><td>Same as above</td><td>Same as above</td><td>Same as above</td></tr><tr><td>Wednesday</td><td>9:30AM to 5:00PM: Working hours</td><td>Same as above</td><td>Same as above</td></tr><tr><td>Thursday</td><td>Same setting as for Monday</td><td>Same as above</td><td>Same as above</td></tr><tr><td>Friday</td><td>Same setting as for Monday</td><td>Same as above</td><td>Same as above</td></tr><tr><td>Saturday</td><td>holiday</td><td>holiday</td><td>holiday</td></tr><tr><td>Third Saturday in every month</td><td>Handled as a weekday for attendance</td><td>Handled as a weekday for attendance</td><td>Handled as a weekday for attendance</td></tr><tr><td>August 10 to August 20</td><td rowspan="2">holiday</td><td rowspan="2">holiday</td><td rowspan="2">holiday</td></tr><tr><td>December 29 to January 4</td></tr><tr><td>December 28</td><td>9:00AM to 12:00PM: Working hours</td><td>9:00AM to 12:00PM: Working hours</td><td>holiday</td></tr><tr><td>January 5</td><td>10:00AM to 3:00PM: Working hours</td><td>9:00AM to 12:00PM: Working hours 12:00PM to 1:00PM: Lunch hour</td><td>9:30AM to 2:30PM: Working hours</td></tr></table>	Zone name Day of the week	Zone 1F	Zone 2F	Zone 3F	Sunday	Holiday	Holiday	Holiday	Monday	9:30AM to 6:00PM: Working hours	8:30AM to 5:00PM: Working hours 12:00PM to 1:00PM: Lunch hour 5:00PM to 10:00PM: Overtime 10:00PM: Locking	9:30AM to 2:30PM: Working hours	Tuesday	Same as above	Same as above	Same as above	Wednesday	9:30AM to 5:00PM: Working hours	Same as above	Same as above	Thursday	Same setting as for Monday	Same as above	Same as above	Friday	Same setting as for Monday	Same as above	Same as above	Saturday	holiday	holiday	holiday	Third Saturday in every month	Handled as a weekday for attendance	Handled as a weekday for attendance	Handled as a weekday for attendance	August 10 to August 20	holiday	holiday	holiday	December 29 to January 4	December 28	9:00AM to 12:00PM: Working hours	9:00AM to 12:00PM: Working hours	holiday	January 5	10:00AM to 3:00PM: Working hours	9:00AM to 12:00PM: Working hours 12:00PM to 1:00PM: Lunch hour	9:30AM to 2:30PM: Working hours	See page 
Zone name Day of the week	Zone 1F	Zone 2F	Zone 3F																																																
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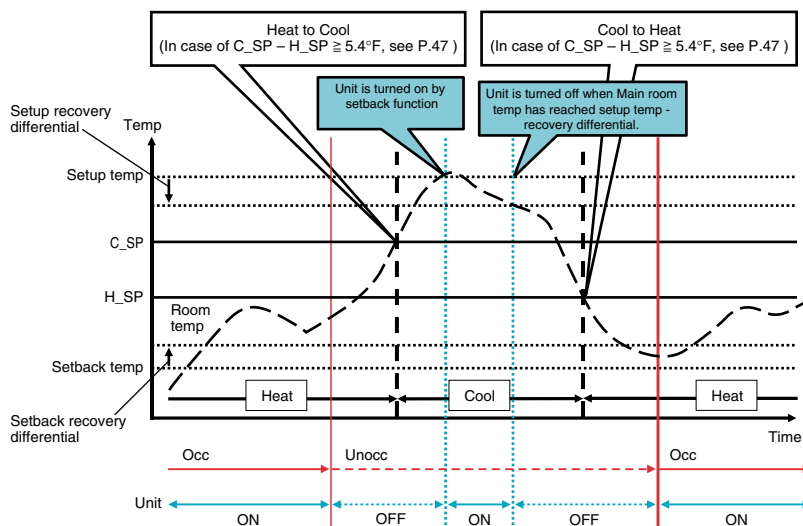
System Settings Menu Item	Description	Operation (Reference)																																																																																																																				
Setting Scheduled Event	<p>3. [Set events for zone 2F.]</p> <p>NOTE: The following lists the events for reference. Change the settings according to the actual use conditions.</p> <p>Setting events for Monday to Friday and Third Saturday in every month</p> <table><tr><th>Time</th><th>Target zone</th><th>On/Off</th><th>Override</th><th>Operation mode</th><th>Setpoint</th><th>Remote control code</th></tr><tr><td>8:30AM</td><td>Zone 2F</td><td>On</td><td>—</td><td>Disabled</td><td>Disabled</td><td>Assign priority to key pushed later</td></tr><tr><td>12:00PM</td><td>Zone 2F</td><td>Off</td><td>—</td><td>Disabled</td><td>C:84°F H:60°F</td><td>Disabled</td></tr><tr><td>1:00PM</td><td>Zone 2F</td><td>On</td><td>—</td><td>Disabled</td><td>Disabled</td><td>Assign priority to key pushed later</td></tr><tr><td>5:00PM</td><td>Zone 2F</td><td>Off</td><td>Permit</td><td>Disabled</td><td>C:84°F H:60°F</td><td>Assign priority to key pushed later</td></tr><tr><td>10:00PM</td><td>Zone 2F</td><td>Off</td><td>—</td><td>Disabled</td><td>C:84°F H:60°F</td><td>Remote control operation prohibited</td></tr></table> <p>Setting events for Saturday, Sunday and Summer holiday, etc.</p> <table><tr><th>Time</th><th>Target zone</th><th>On/Off</th><th>Operation mode</th><th>Setpoint</th><th>Remote control code</th></tr><tr><td>8:30AM</td><td>Zone 2F</td><td>On</td><td>Disabled</td><td>Disabled</td><td>Assign priority to key pushed later</td></tr><tr><td>12:00PM</td><td>Zone 2F</td><td>Off</td><td>Disabled</td><td>C:84°F H:60°F</td><td>Remote control operation prohibited</td></tr></table> <p>Setting events for Ex1 (December 28)</p> <table><tr><th>Time</th><th>Target zone</th><th>On/Off</th><th>Override</th><th>Operation mode</th><th>Setpoint</th><th>Remote control code</th></tr><tr><td>12:00PM</td><td>Zone 2F</td><td>On</td><td>—</td><td>Heating</td><td>C:Disabled H:72°F</td><td>Assign priority to key pushed later Setpoint setting prohibited Operation mode prohibited</td></tr><tr><td>5:00PM</td><td>Zone 2F</td><td>Off</td><td>—</td><td>Disabled</td><td>C:Disabled H:60°F</td><td>Only stop operation permitted</td></tr></table> <p>Setting events for Ex2 (January 5)</p> <table><tr><th>Time</th><th>Target zone</th><th>On/Off</th><th>Override</th><th>Operation mode</th><th>Setpoint</th><th>Remote control code</th></tr><tr><td>10:00AM</td><td>Zone 2F</td><td>On</td><td>—</td><td>Heating</td><td>C:Disabled H:72°F</td><td>Assign priority to key pushed later Setpoint setting prohibited Operation mode prohibited</td></tr><tr><td>12:00PM</td><td>Zone 2F</td><td>Off</td><td>—</td><td>Disabled</td><td>C:Disabled H:60°F</td><td>Only stop operation permitted</td></tr><tr><td>1:00PM</td><td>Zone 2F</td><td>On</td><td>—</td><td>Disabled</td><td>C:Disabled H:72°F</td><td>Assign priority to key pushed later Setpoint setting prohibited Operation mode prohibited</td></tr><tr><td>3:00PM</td><td>Zone 2F</td><td>Off</td><td>—</td><td>Disabled</td><td>C:Disabled H:60°F</td><td>Only stop operation permitted</td></tr></table> <p>* The term “Disabled” means that the setting is not changed “Setpoint” in the table above indicates the setpoint when On and the setback setpoint when Off. “C:” indicates the cooling setpoint temperature. “H:” indicates the heating setpoint temperature .</p>	Time	Target zone	On/Off	Override	Operation mode	Setpoint	Remote control code	8:30AM	Zone 2F	On	—	Disabled	Disabled	Assign priority to key pushed later	12:00PM	Zone 2F	Off	—	Disabled	C:84°F H:60°F	Disabled	1:00PM	Zone 2F	On	—	Disabled	Disabled	Assign priority to key pushed later	5:00PM	Zone 2F	Off	Permit	Disabled	C:84°F H:60°F	Assign priority to key pushed later	10:00PM	Zone 2F	Off	—	Disabled	C:84°F H:60°F	Remote control operation prohibited	Time	Target zone	On/Off	Operation mode	Setpoint	Remote control code	8:30AM	Zone 2F	On	Disabled	Disabled	Assign priority to key pushed later	12:00PM	Zone 2F	Off	Disabled	C:84°F H:60°F	Remote control operation prohibited	Time	Target zone	On/Off	Override	Operation mode	Setpoint	Remote control code	12:00PM	Zone 2F	On	—	Heating	C:Disabled H:72°F	Assign priority to key pushed later Setpoint setting prohibited Operation mode prohibited	5:00PM	Zone 2F	Off	—	Disabled	C:Disabled H:60°F	Only stop operation permitted	Time	Target zone	On/Off	Override	Operation mode	Setpoint	Remote control code	10:00AM	Zone 2F	On	—	Heating	C:Disabled H:72°F	Assign priority to key pushed later Setpoint setting prohibited Operation mode prohibited	12:00PM	Zone 2F	Off	—	Disabled	C:Disabled H:60°F	Only stop operation permitted	1:00PM	Zone 2F	On	—	Disabled	C:Disabled H:72°F	Assign priority to key pushed later Setpoint setting prohibited Operation mode prohibited	3:00PM	Zone 2F	Off	—	Disabled	C:Disabled H:60°F	Only stop operation permitted	See pages 73 to 75
	Time	Target zone	On/Off	Override	Operation mode	Setpoint	Remote control code																																																																																																															
	8:30AM	Zone 2F	On	—	Disabled	Disabled	Assign priority to key pushed later																																																																																																															
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3:00PM	Zone 2F	Off	—	Disabled	C:Disabled H:60°F	Only stop operation permitted																																																																																																																
Change Schedule Name	<p>4. [Change a schedule name.]</p> <p>This function enables you to change the existing schedule name to an easy-to-understand schedule name.</p>	See page 76																																																																																																																				
Change Special Date Name	<p>5. [Change a special day name.]</p> <p>This function enables you to change the existing special holiday name to an easy-to-understand holiday name.</p>	See page 76																																																																																																																				
Enable or disable a schedule.	<p>6. [Enable or disable a schedule.]</p> <p>This function finally enables you to decide whether to enable or disable the setting made.</p>	See page 76																																																																																																																				
Other Schedule Functions	<p>7. [Convenient functions for setting a schedule]</p>	See pages 77 to 78																																																																																																																				

System Settings Menu Item	Description	Operation (Reference)
Automatic Changeover	<p>This function allows the optimal room temperature to be maintained without the users having to change the operation mode by automatically switching the air conditioner's operation mode (cooling or heating) according to the room temperature for locations where there are vast temperature differences between day and night.</p> <p>< Overview of Function > This function automatically switches the air conditioner's operation mode and setpoint in units of one (3) ZONE according to the following 2 parameters: (1) main setpoint and (2) main room temperature.</p> <p>[1] Control Method (How to determine the (1) Main setpoint and (2) Main Room Temperature)</p> <p>The 3 following methods exist for determining the target unit and the above temperatures.</p> <p>1.Changing individual groups Method This changes the operation mode for the individual groups which are registered in that zone. The setpoint and room temperature for each group are used as both the main setpoint and main room temperature.</p> <p>2.Average Method All the indoor units that are registered in the Zone are operating, and are either in cooling, heating, or automatic mode are found, and the averages for their setpoints and room temperatures are calculated and used as the main setpoint and main room temperature. (Decimals are rounded up.) Note that if there no air conditioners among the registered air conditioners for the averages to be calculated, the main setpoint and main room temperature are determined using the Fixed Air Conditioner Method shown below. When the main setpoint and main room temperature meet the conditions for mode change, the operation mode is changed for all groups in that zone.</p> <p>3.Fixed Air Conditioner Method The first indoor unit (the one highest on the screen) among those registered in the automatic cooling / heating switch group is designated the main indoor unit and the setpoint and room temperature of that indoor unit are designated the main setpoint and main room temperature. When the main setpoint and main room temperature meet the conditions for mode change, the operation mode is changed for all groups in that zone.</p> <p>[2] (3) Zone</p> <ul style="list-style-type: none"> • This control is performed using one Zone as a unit. • These controls can be enabled and disabled for each individual Zone. (These controls only work for Zones set as enabled.) • When registering a group in a zone, do not register the group in multiple zones where automatic changeover will be performed. Doing so will conflict the automatic changeover function for the group the several zones. 	

System Settings Menu Item	Description	Operation (Reference)
Automatic Changeover	<p>< Control Implementation Conditions > The relationship between the main room temperature, the main setpoint, and the operation mode is described below, with examples. The controls are implemented when the control conditions are satisfied, every 5 minutes from the time the power is turned on. For a zone or group where the operation mode was changed by the automatic changeover function, the automatic changeover function is restricted for 60 minutes following the change. However, if the group setpoint temperature which is used to calculate the main setpoint was changed using the intelligent Touch Controller or the remote controller, then the operation mode will change when the conditions shown on the following page are met, even if the time is within 60 minutes following the previous change.</p> <p>CASE 1) When the difference between Cooling Setpoint (C_SP) and Heating Setpoint (H_SP) is less than 5.4°F (3.0°C). ① Change to Cool mode: Main room temp \geq Average of C_SP & H_SP + 2.7°F (1.5°C) ② Change to Heat mode: Main room temp \leq Average of C_SP & H_SP - 2.7°F (1.5°C)</p> <p>Example: In case of C_SP = 74°F and H_SP = 70°F, ① Change to Cool mode at Main room temp \geq 74.7°F $\leftarrow (74 + 70) / 2 + 2.7$ ② Change to Heat mode at Main room temp \leq 69.3°F $\leftarrow (74 + 70) / 2 - 2.7$</p>  <p>CASE 2) When the difference between Cooling Setpoint (C_SP) and Heating Setpoint (H_SP) is equal to or greater than 5.4°F (3.0°C). ① Change to Cool mode: Main room temp \geq C_SP ② Change to Heat mode: Main room temp \leq H_SP</p> <p>Example: In case of C_SP = 76°F and H_SP = 70°F, ① Change to Cool mode at Main room temp \geq 76°F ② Change to Heat mode at Main room temp \leq 70°F</p> 	

System Settings
Menu Item

Description

Operation
(Reference)Automatic
Changeover**EXAMPLE:** Combination of Changeover Setback

* See the following for a detailed description of the instructions to the air conditioner.

The control instruction is sent to the indoor units registered in the Zone when the control implementation conditions shown on the previous page are fulfilled. The actual control instructions sent differ according to the control method setting (average / fixed air conditioner) and the fulfilled conditions such as to switch from cooling to heating. The control instructions for each situation are shown below.

<Instructions sent to indoor units when control is implemented>

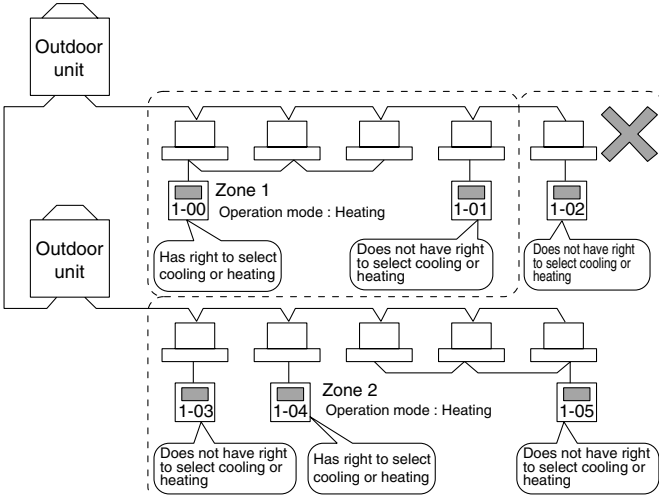
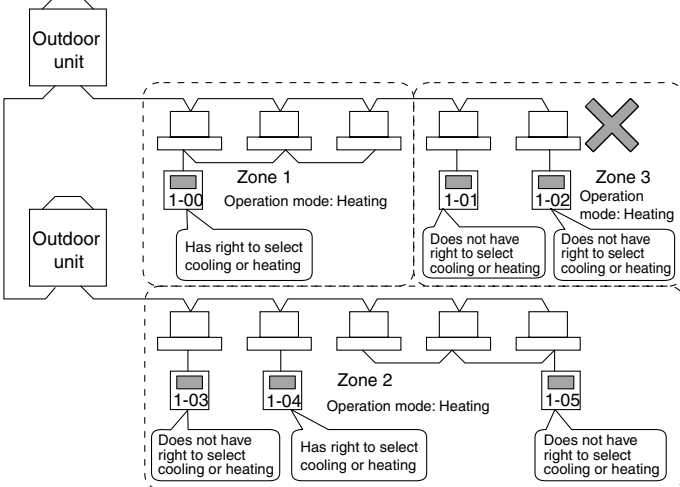
1. Changing individual groups Method

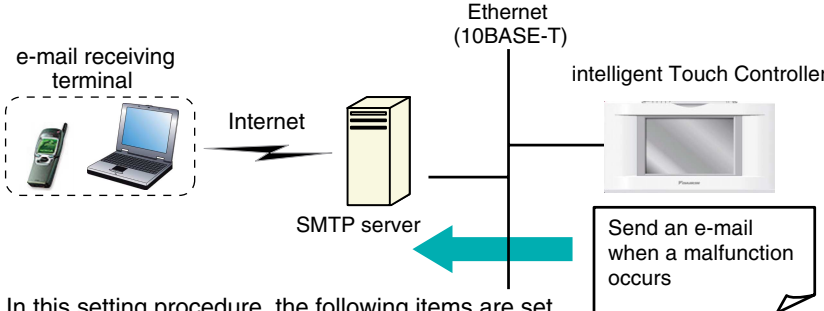
When the main setpoint and main room temperature for an individual group meet the conditions for mode change, the operation mode for that group is changed. The operation mode at other groups is not changed.



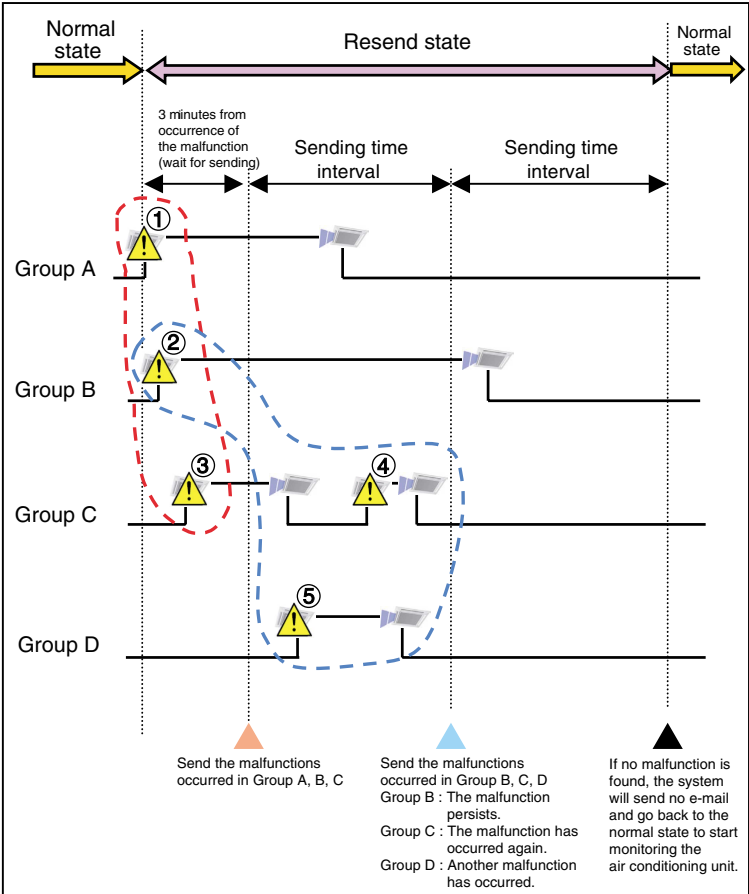


After the operation mode is changed, an instruction is sent for the operation mode setpoint of that group following the change.



Target for condition judgment	Condition (See control details on previous page.)	Instruction value when conditions are met		Target of instruction
		operation mode	setpoint	
Individual groups	①	Cooling	cooling setpoint	That group
	②	Heating	heating setpoint	



System Settings Menu Item	Description	Operation (Reference)															
Automatic Changeover	<p><u>2.Average Method, Fixed Air Conditioner Method</u></p> <p>When the main setpoint and main room temperature for the zone meet the conditions for mode change, the operation mode for all groups in that zone is changed. After the operation mode is changed, instructions are sent for the operation mode setpoint of each group following the change.</p> <table><tr><th rowspan="2">Target for condition judgment</th><th rowspan="2">Condition (See control details on previous page.)</th><th colspan="2">Instruction value when conditions are met</th><th rowspan="2">Target of instruction</th></tr><tr><th>operation mode</th><th>setpoint</th></tr><tr><td rowspan="2">Zone</td><td>①</td><td>Cooling</td><td>cooling setpoint</td><td rowspan="2">Zone</td></tr><tr><td>②</td><td>Heating</td><td>heating setpoint</td></tr></table> <p>With the average method, the main setpoint and main room temperature are calculated by the method shown below. Main setpoint for changing to cooling mode (average): (Sum of cooling setpoints for groups where the operation mode is Heat, Cool, or Auto) / (No. of groups where the operation mode is Heat, Cool, or Auto)</p> <p>Main setpoint for changing to heating mode (average): (Sum of heating setpoints for groups where the operation mode is Heat, Cool, or Auto) / (No. of groups where the operation mode is Heat, Cool, or Auto)</p> <p>Main room temperature (average): (Sum of room temperatures for groups where the operation mode is Heat, Cool, or Auto) / (No. of groups where the operation mode is Heat, Cool, or Auto)</p> <p>With the fixed air conditioner method, the main setpoint and main room temperature are the setpoint and room temperature of the representative group for that zone (the group at the top of the zone registration list). If the operation mode of that group is not Heat, Cool, or Auto, then the next group in the zone registration list becomes the representative group.</p> <p><Precautions when using this control></p> <p>1.The following will happen if a communication error (the icon on the screen is blue) occurs in the air conditioner being controlled.</p> <p>2-1.Changing individual groups Method If a communications error occurs, the automatic cooling/heating switch control is not started.</p> <p>2-2.Average Method Remove the air conditioner experiencing the communication error from the calculation for the average, and only use air conditioners with normal communication for calculating the average.</p> <p>2-3.Fixed air conditioner Method If the main unit experiences a communication error, the indoor unit which is registered next to the main unit will be alternative to the main unit.</p> <p>Although intelligent touch controller sends a command to the indoor unit group to change the operation mode under the Automatic changeover function, if the unit is not a changeover master in the Heat Pump system or under the BS unit in the Heat Recovery system, the unit operation mode will not be changed directly but follow the one of the changeover master unit.</p> <p>Therefore the Individual group method requires that each group is a changeover master (each indoor unit is connected to the dedicated BS unit in the Heat Recovery system), and the Average and Fixed method require that there is at least one changeover master unit in the Zone which can change the other indoor units operation mode in the Heat Pump system or under the BS unit in the Heat Recovery system.</p>	Target for condition judgment	Condition (See control details on previous page.)	Instruction value when conditions are met		Target of instruction	operation mode	setpoint	Zone	①	Cooling	cooling setpoint	Zone	②	Heating	heating setpoint	
Target for condition judgment	Condition (See control details on previous page.)			Instruction value when conditions are met			Target of instruction										
		operation mode	setpoint														
Zone	①	Cooling	cooling setpoint	Zone													
	②	Heating	heating setpoint														




System Settings Menu Item	Description	Operation (Reference)
Automatic Changeover	<p>Unexpected things may happen if control is done using the following incorrect Zone settings.</p> <p>1. When units in different cooling systems are registered for a Zone</p>  <p>If indoor units (address 1-02) which do not have the right to select cooling or heating for the same cooling system are not registered to the same Zone, address 1-02 will behave in the following way.</p> <p>If the room temperature of Group 1 rises, <u>Zone 1 will switch to cooling as per this control.</u> When this happens, <u>the operation mode of the indoor unit at 1-02 will change to cooling.</u> → <u>The operation mode will be determined by Zone 1.</u></p> <p>If the room temperature of Group 2 rises, <u>group 2 will switch to cooling as per this control.</u> When this happens, <u>the operation mode of the indoor unit at 1-02 will continue in heating.</u> → <u>The operation mode will be determined by Zone 1.</u></p> <p>2. When a zone contains no units with the right to select cooling or heating</p>  <p>Because Zone 3 is composed only of indoor units which do not have the right to select cooling or heating (addresses 1-01, 1-02), automatic cooling / heating switch control for that zone is not started. The Zone 3 operation mode is determined by Zone 1, which contains the indoor unit with the right to select cooling or heating (address 1-00) for that refrigerant system.</p>	


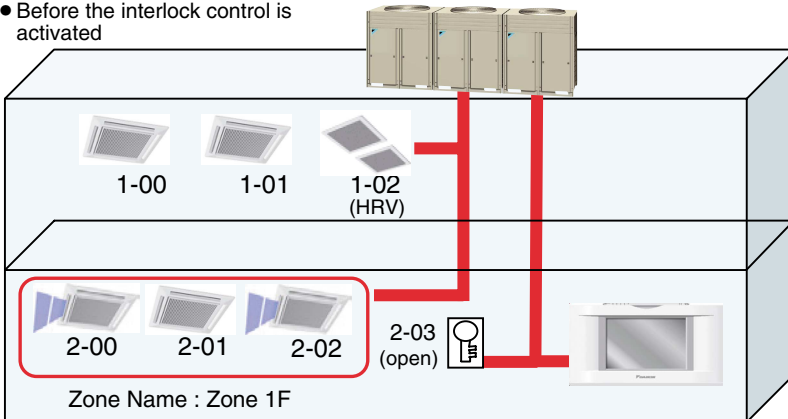
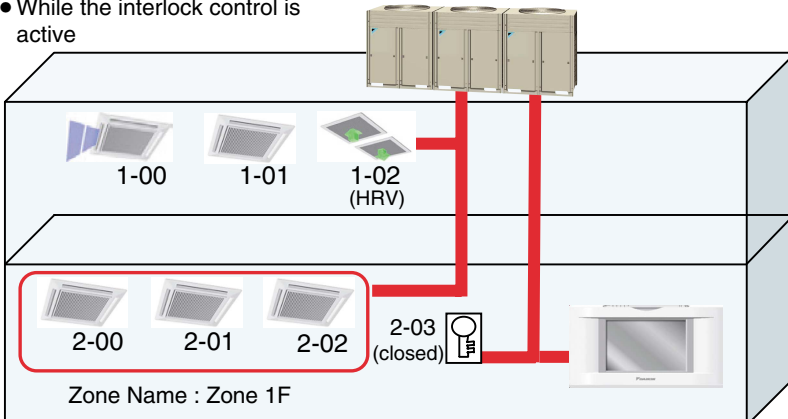


System Settings Menu Item	Description	Operation (Reference)																																			
Alarm E-mail * The e-mail function is included in an option sold separately, where combined with the Web function.	<p>This option is used to, when the intelligent Touch Controller detects a malfunction in such as the air conditioning unit (*1), send an e-mail containing the date, the error code and so on to the pre-registered administrators at three different addresses maximum.</p> <p>*1 : Where the malfunction refers a malfunction that occurs in the air conditioning unit or other facilities.</p> <p>When a communication error between the intelligent Touch Controller and the air-conditioning unit or other facilities occurs, no e-mail will be sent.</p> <p>If an air conditioning warning occurring during a test run is defined as a malfunction, an e-mail notification is sent.</p> <p>To use the e-mail function, the following equipment is required :</p> <ul style="list-style-type: none">SMTP (Simple Mail Transfer Protocol) server<ul style="list-style-type: none">a server which can transfer the e-mails complying with RFC821SMTP-AUTH server (in case of using SMTP-AUTH)<ul style="list-style-type: none">a server which can transfer the e-mails complying with RFC2554e-mail receiving terminal<ul style="list-style-type: none">a terminal which can receive the e-mails complying with RFC822 <p>The system configuration is drawn in the figure below :</p> <div></div> <p>In this setting procedure, the following items are set.</p> <table><thead><tr><th colspan="2">Item</th><th>Description</th></tr></thead><tbody><tr><td colspan="2">Validity/Invalidity of e-mail function</td><td>Setting of Invalidity does not allow sending e-mails.</td></tr><tr><td rowspan="6">SMTPServer</td><td>SMTP Server Address</td><td>Specifies URL (IPaddress) of the SMTP server.</td></tr><tr><td>SMTP Server Port Number</td><td>Specifies a port number of the SMTP server.</td></tr><tr><td>Authentication method</td><td>Select the authentication method for sending mail. (No Authentication / POP before SMTP / SMTP-AUTH)</td></tr><tr><td rowspan="2">Setting items when [POP before SMTP] is valid</td><td>POP Server Address</td><td>Specifies URL (IP address) of the POP server.</td></tr><tr><td>POP Server Port Number</td><td>Specifies a port number of the POP server.</td></tr><tr><td rowspan="2">Setting items when [POP before SMTP] or [SMTP-AUTH] is valid</td><td>User ID</td><td>User ID used for authentication</td></tr><tr><td>Password</td><td>Pass word used for authentication</td></tr><tr><td rowspan="3">Sending Conditions</td><td>Sent-to Groups</td><td>Specifies destination groups to which an e-mail will be sent at a time of malfunction.</td></tr><tr><td>Sending Interval</td><td>Specifies a time interval to retry sending an e-mail when the malfunction has not been cleared. (setting range : 1-72 hours, steps : one hour)</td></tr><tr><td>ITC Identification Name</td><td>Specifies a string of characters displayed in the Subject column when the e-mail is received.</td></tr><tr><td rowspan="2">E-mail</td><td>E-mail Address (to)</td><td>Specifies e-mail addresses (to).</td></tr><tr><td>E-mail address (from)</td><td>Specifies e-mail addresses (from) Omissible</td></tr></tbody></table>	Item		Description	Validity/Invalidity of e-mail function		Setting of Invalidity does not allow sending e-mails.	SMTPServer	SMTP Server Address	Specifies URL (IPaddress) of the SMTP server.	SMTP Server Port Number	Specifies a port number of the SMTP server.	Authentication method	Select the authentication method for sending mail. (No Authentication / POP before SMTP / SMTP-AUTH)	Setting items when [POP before SMTP] is valid	POP Server Address	Specifies URL (IP address) of the POP server.	POP Server Port Number	Specifies a port number of the POP server.	Setting items when [POP before SMTP] or [SMTP-AUTH] is valid	User ID	User ID used for authentication	Password	Pass word used for authentication	Sending Conditions	Sent-to Groups	Specifies destination groups to which an e-mail will be sent at a time of malfunction.	Sending Interval	Specifies a time interval to retry sending an e-mail when the malfunction has not been cleared. (setting range : 1-72 hours, steps : one hour)	ITC Identification Name	Specifies a string of characters displayed in the Subject column when the e-mail is received.	E-mail	E-mail Address (to)	Specifies e-mail addresses (to).	E-mail address (from)	Specifies e-mail addresses (from) Omissible	See pages 81 to 82
Item		Description																																			
Validity/Invalidity of e-mail function		Setting of Invalidity does not allow sending e-mails.																																			
SMTPServer	SMTP Server Address	Specifies URL (IPaddress) of the SMTP server.																																			
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	Setting items when [POP before SMTP] is valid	POP Server Address	Specifies URL (IP address) of the POP server.																																		
		POP Server Port Number	Specifies a port number of the POP server.																																		
	Setting items when [POP before SMTP] or [SMTP-AUTH] is valid	User ID	User ID used for authentication																																		
Password		Pass word used for authentication																																			
Sending Conditions	Sent-to Groups	Specifies destination groups to which an e-mail will be sent at a time of malfunction.																																			
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	ITC Identification Name	Specifies a string of characters displayed in the Subject column when the e-mail is received.																																			
E-mail	E-mail Address (to)	Specifies e-mail addresses (to).																																			
	E-mail address (from)	Specifies e-mail addresses (from) Omissible																																			

System Settings Menu Item	Description	Operation (Reference)
Alarm E-mail * The e-mail function is included in an option sold separately, where combined with the Web function.	<p>Timing of E-mail Sending</p> <p>Referring to the figure below, timing of sending e-mails is described. [Send when a malfunction occurs in the normal state]</p> <p>If a malfunction occurs in the destination groups defined in the e-mail sending, wait three minutes from the malfunction (① in the figure below) before sending an e-mail.</p> <p>* An e-mail will not be sent immediately after the first malfunction. During the waiting time of three minutes, if another malfunction occurs in different groups (② or ③ in the figure below), one e-mail containing such multiple malfunctions will be sent.</p> <p>[Resend after sending once]</p> <p>As shown in case of Group B, if the malfunction persists even after the sending time interval has elapsed, another e-mail will be sent.</p> <p>In the group for which the e-mail has been sent, after recovering from the malfunction, if another malfunction occurs again (⑤ in the figure below), the latest malfunction will be sent after the sending time interval will have elapsed.</p> <p>During the sending time interval, if a new malfunction occurs (④ in the figure below), an e-mail will be sent after the sending time interval will have elapsed.</p> <p>When the sending time interval has elapsed, if no malfunction is found in the groups, the system will move from the resend state to the normal state.</p> <p>* : The mark  represents occurrence of a malfunction and the mark  represents recovery from the malfunction.</p>  <p style="text-align: center;">Figure : Timing of E-mail Sending</p>	See pages  to 



System Settings Menu Item	Description	Operation (Reference)																
Alarm E-mail * The e-mail function is included in an option sold separately, where combined with the Web function.	<p>• Contents of E-mail</p> <p>The contents of the e-mail to be sent is described below. When three or more events of malfunctions have been occurred concurrently, <u>the latest two events are displayed in ascending order and the rest is represented just as the total number of such events.</u></p> <div data-bbox="300 457 1119 768"> <table> <tr> <td>From : iTouch@daikin.co.jp</td> <td>←</td> <td>Originating e-mail address</td> </tr> <tr> <td>To : user012@daikin.co.jp</td> <td>←</td> <td>Destination e-mail address</td> </tr> <tr> <td>Subject : Fault occurs (DAIKIN Head Office)</td> <td>←</td> <td>Fixed string of characters and controller name</td> </tr> <tr> <td>04/02 14:11 Office A9</td> <td rowspan="2">}</td> <td rowspan="2">←</td> </tr> <tr> <td>04/02 14:10 ConfRoom E0</td> </tr> <tr> <td>Remaining mails : 1</td> <td>←</td> <td>Number of the remaining malfunctions except two indicated above when three or more malfunctions exist</td> </tr> </table> </div> <p>• Operation when failing to send an e-mail</p> <p>When failing to send an e-mail, it will be resent three times at an interval of two minutes. Resending an e-mail will not be executed, however, in the following situations :</p> <ul style="list-style-type: none"> • The POP sever returned an error of user authentication. • The SMTP server returned a reply of a permanent failure. • A test run mail was sent. <p>• E-mail outgoing history</p> <p>The history file can contain a maximum number of 300 events of successes / failures in sending e-mails. * For details, refer to the History on Page 89.</p>	From : iTouch@daikin.co.jp	←	Originating e-mail address	To : user012@daikin.co.jp	←	Destination e-mail address	Subject : Fault occurs (DAIKIN Head Office)	←	Fixed string of characters and controller name	04/02 14:11 Office A9	}	←	04/02 14:10 ConfRoom E0	Remaining mails : 1	←	Number of the remaining malfunctions except two indicated above when three or more malfunctions exist	See pages  81 to  82
From : iTouch@daikin.co.jp	←	Originating e-mail address																
To : user012@daikin.co.jp	←	Destination e-mail address																
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04/02 14:10 ConfRoom E0																		
Remaining mails : 1	←	Number of the remaining malfunctions except two indicated above when three or more malfunctions exist																




System Settings Menu Item	Description	Operation (Reference)
Simple Interlock	<p>This menu is used to make settings of an interlock control function in units of zones or groups.</p> <p>The simple interlock control is a function to automatically control groups or zones corresponding to a change of the operation states or the stop states in any groups.</p> <p>The settings of the simple interlock control are described below.</p> <ul style="list-style-type: none"> • The simple interlock can store a maximum number of 128 program registrations. For each program, the following settings can be made : <ul style="list-style-type: none"> • Interlock input point The target groups you want to monitor as the interlock input points (e.g. air conditioning unit, Di unit*, Dio unit*, HRV) are registered. *Monitoring is performed for the input states at the operation / stop connection point. In one program, the maximum number of 128 groups can be registered. • Interlock output <i>Select conditions of interlock input points, Registration of control targets, and Settings of control details</i> are performed. • Select condition of interlock input points The interlock control function is initiated when the groups specified as the interlock input points indicate the operation states described below. Select from (1)-(5) to specify the condition. (The control function is actually initiated when the state of the input point has changed.) <ol style="list-style-type: none"> (1) No detection : Detection of inputs is not performed. (The control function is not effective.) (2) Any one or more of the groups ON : When any one or more of the groups registered as the input points turn on, the control function is initiated. (3) All ON : When all of the registered groups as the input points turn on, the control function is initiated. (4) Any one or more of the groups OFF : When any one or more of the groups registered as the input points turn off to stop, the control function is initiated. (5) All OFF : When all of the registered groups as the input points turn off to stop, the control function is initiated. <p>*1 Selecting "Any one or more of the groups ON (or OFF)" while some interlock input points are already ON (or OFF) will not initiate anew the interlock control function even when another interlock input point turns ON (or OFF). (Once the selected condition has become invalid and then, when the selected condition is satisfied again, the function can be initiated.)</p> <p>*2 When a communication error occurs in any of the interlock input points, the condition will be checked only for the interlock input points in the normal communication state.</p> • Registration of control targets A single group or zone, which is to be controlled when the interlock condition is met, is registered. * If the interlock condition has been met during a communication error in the control target, the interlock control function will not be initiated even when the communication error is cleared. • Settings of control details Details of the control operations for the target device where the interlock condition is met are defined. The available control operations are described below. Multiple operations can be set at a time. (Ex. : Start Command and Change Setpoint) <ul style="list-style-type: none"> • Start / Stop commands • Operation mode switching • Change setpoint • Setting of permission / prohibition of hand-held remote controller operations (Start / Stop, Setpoint, Operation mode switching) • Ventilation mode switching (*) • Ventilation amount switching (*) <p>* for HRV</p> <p>For one interlock program, two interlock outputs at the maximum can be specified.</p>	<p>See pages</p> <p> 83  85</p>

System Settings Menu Item	Description	Operation (Reference)
Simple Interlock	<p>Control operations when a communication error occurs in the interlock input points </p> <p>Example 1) When a communication error occurs in any of the interlock input points, the condition will be checked only for the interlock input points in the normal communication state.</p> <div data-bbox="367 407 669 610"> </div> <p>When All ON is selected, the state change shown in the left figure can initiate the interlock control function.</p> <p>Example 2) Even if the interlock input point recovered from the communication error meets the specified condition, the interlock control function cannot be initiated.</p> <div data-bbox="367 678 669 880"> </div> <p>When Any one or more of the groups ON is selected, the state change shown in the left figure cannot initiate the interlock control function.</p> <p>Example 3) When a communication error occurs in an interlock input point and, consequently, the specified condition is met, the interlock control function cannot be initiated.</p> <div data-bbox="367 948 669 1161"> </div> <p>Even when All OFF is selected, the state change shown in the left figure cannot initiate the interlock control function.</p> <p>Control operations when a communication error occurs in the control target equipment</p> <div data-bbox="312 1228 655 1789"> <p>interlock input point</p> <p>1-00 1-01 1-02 1-03</p> <p>(1) </p> <p>(2) </p> <p>(3) </p> <p>(4) </p> <p>(5) </p> </div> <div data-bbox="676 1228 1108 1789"> <p>Control target equipment 1-10</p> <p>Condition of interlock input points : All ON is selected.</p> <p> The condition of interlock input points is not met.</p> <p> Although the condition of interlock input points is met, the communication error in the control target will not allow initiating the interlock control function.</p> <p> Even when the control target recovers from the communication error, the interlock control function is not initiated.</p> <p> In this case, once the condition of interlock input points has become invalid and then, when the condition is satisfied again, the interlock control function can be initiated.</p> </div>	<p>See pages  to </p>

System Settings Menu Item	Description	Operation (Reference)																														
Simple Interlock	<p>In the following section, utilization of the simple interlock control function is described while giving some examples. Referring to the figure below, the setting examples of the simple interlock control program are provided.</p> <p>[Example 1 of interlock control] When any of the air conditioning units on the second floor (1-00, 1-01) start operating, HRV (1-02) will be started. When all of the air conditioning units (1-00, 1-01) on the second floor stop, HRV (1-02) will be stopped.</p> <p>[Example 2 of interlock control] When the key of the first floor (2-03)* is locked, the air conditioning units (2-00 to 2-02) will be stopped and start/stop operations of the hand-held remote controller will be prohibited.</p> <p>*The mark  shown in the figure below represents a key. In this example, locking the key to the Di unit allows a closing (ON) connection point to be connected.</p> <ul style="list-style-type: none">Before the interlock control is activated  <p>Zone Name : Zone 1F</p> <p>Air conditioning unit (1-00) in operation Di unit (2-03) locked</p> <ul style="list-style-type: none">While the interlock control is active  <p>Zone Name : Zone 1F</p>	See pages  83 to  85																														
	<p>Settings for performing the control operations described above</p> <table><tr><th rowspan="2">Interlock Program Number</th><th rowspan="2">Interlock input point</th><th colspan="3">Interlock Output 1</th><th colspan="3">Interlock Output 2</th></tr><tr><th>Input Condition</th><th>Control Target</th><th>Control Item</th><th>Input Condition</th><th>Control Target</th><th>Control Item</th></tr><tr><td>Program 1 (two interlock operations)</td><td>1-00 1-01</td><td>Anyone or more of the groups ON</td><td>1-02</td><td>Start operation</td><td>All OFF</td><td>1-02</td><td>Stop</td></tr><tr><td>Program 2 (one interlock operations)</td><td>2-03</td><td>All ON</td><td>Zone 1F</td><td><ul style="list-style-type: none">Stophand-held remote controllerProhibition of start/stop</td><td>No detection</td><td>—</td><td>—</td></tr></table>		Interlock Program Number	Interlock input point	Interlock Output 1			Interlock Output 2			Input Condition	Control Target	Control Item	Input Condition	Control Target	Control Item	Program 1 (two interlock operations)	1-00 1-01	Anyone or more of the groups ON	1-02	Start operation	All OFF	1-02	Stop	Program 2 (one interlock operations)	2-03	All ON	Zone 1F	<ul style="list-style-type: none">Stophand-held remote controllerProhibition of start/stop	No detection	—	—
Interlock Program Number	Interlock input point	Interlock Output 1			Interlock Output 2																											
		Input Condition	Control Target	Control Item	Input Condition	Control Target	Control Item																									
Program 1 (two interlock operations)	1-00 1-01	Anyone or more of the groups ON	1-02	Start operation	All OFF	1-02	Stop																									
Program 2 (one interlock operations)	2-03	All ON	Zone 1F	<ul style="list-style-type: none">Stophand-held remote controllerProhibition of start/stop	No detection	—	—																									

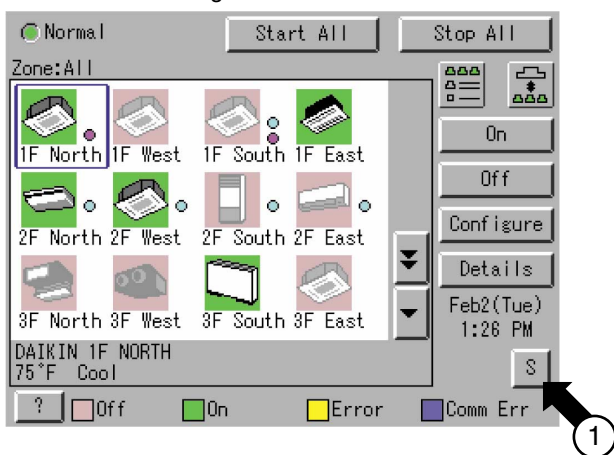
System Settings Menu Item	Description							Operation (Reference)
Simple Interlock	• Limitations of the simple interlock function In the simple interlock function, setting the inconsistent input/output conditions is allowed as described below. * Priority of the interlock programs is determined in such a way that the lower program has a higher priority and the output 2 has a higher priority than the output 1.							See pages 83 to 85
	Example 1) When the interlock input point and the control target are same							
	Interlock Program Number	Interlock input point	Interlock Output 1			Interlock Output 2		
			Input Condition	Control Target	Control Item	Input Condition	Control Target	Control Item
	Program 1	1-00	Any one or more of the groups ON	1-00	Stop	No detection	—	—
	Result : 1-00 cannot be initiated. (Even if it has been initiated, it should be stopped by the interlock control function.)							
	Example 2) When the interlock input point and the control target are same but the control items specify opposite operations							
	Interlock Program Number	Interlock input point	Interlock Output 1			Interlock Output 2		
			Input Condition	Control Target	Control Item	Input Condition	Control Target	Control Item
	Program 1	1-00	Any one or more of the groups ON	1-01	Start operation	Any one or more of the groups OFF	1-01	Stop
Result : The interlock output 2 with a higher priority is executed. (1-01 stops.)								
The settings of the input/output conditions as described in the example 3 below will cause a failure of the air conditioning unit; therefore never use these settings.								
Example 3) When the interlock input point and the control output fall into a loop								
Interlock Program Number	Interlock input point	Interlock Output 1			Interlock Output 2			
		Input Condition	Control Target	Control Item	Input Condition	Control Target	Control Item	
Program 1	1-00	Any one or more of the groups ON	1-01	Start operation	Any one or more of the groups OFF	1-01	Stop	
Program 2	1-01	Any one or more of the groups ON	1-00	Stop	Any one or more of the groups OFF	1-00	Start operation	
<div><div><div>1-00 Start</div><div>Program 2 Interlock output 2</div><div>1-01 Stop</div></div><div><div>Program 1 Interlock output 1 <1-01 operation control></div><div>1-01 Start</div><div>Program 2 Interlock output 1 <1-00 stop control></div></div><div><div>1-01 Stop</div><div>Program 1 Interlock output 2 <1-01 stop control></div><div>1-00 Stop</div></div></div>								
Result : The interlock program is repeated endlessly. In the example above, the air conditioning units : 1-00 and 1-01 repeat start/stop operations endlessly.								

System Settings Menu Item	Description	Operation (Reference)
Simple Interlock Change Name	[Change the name of the simple interlock program] You can customize the name of the simple interlock program, such as the name that reflects its functionality.	See page  85
Simple Interlock Validity / Invalidity Setting	[Determine the validity / invalidity of the simple interlock setting] Lastly, whether the simple interlock setting is valid or invalid can be specified. The program set to invalid will not run.	See page  85

System Settings Menu Item	Description	Operation (Reference)
History	This menu should be displayed on the screen stored in the memory of intelligent Touch Controller and used to store data in the memory card, which is field supplied.	See page 
Touch Panel Calibration	Menu for adjusting the positions of buttons on the touch panel used as the screen of the intelligent Touch Controller. If repeatedly pressing a particular button on the screen does not activate operation, use this menu to calibrate the touch panel.	See page 
Version information	This provides maintenance information. The menu shows the version number of the software for the intelligent Touch Controller currently used.	See page 

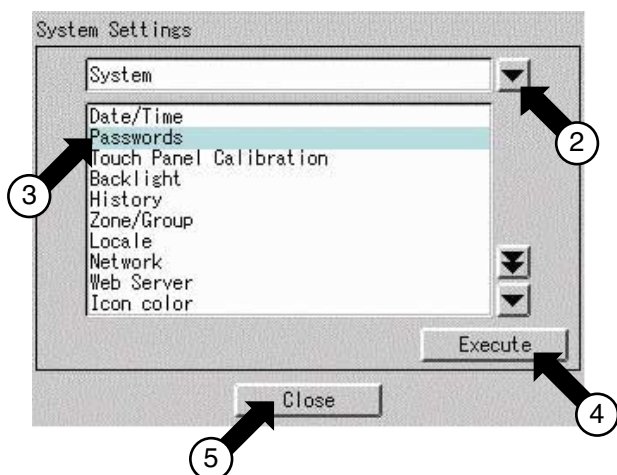
System Settings Menu Operation

Screen 1 Monitoring Screen

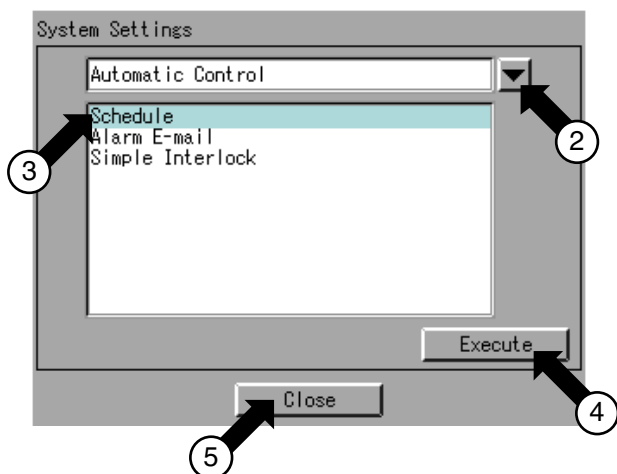


Screen 2 System Settings Menu

(A)System



(B)Automatic Control



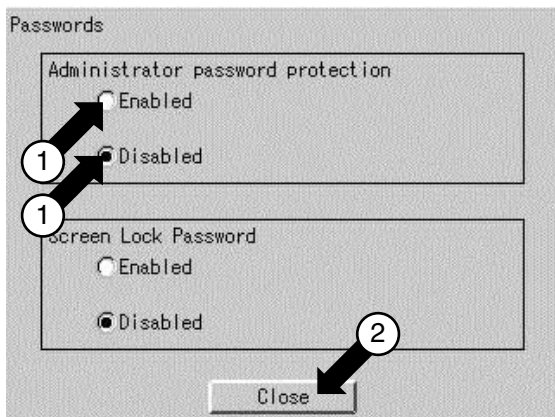
【Viewing the System Settings Menu Screen】

1. Press the [S] button ① on Screen 1 Monitoring.
2. Screen 2 System Settings (see lower left) appears.
If a password is set, the screen does not appear unless the password is entered.
3. Select an item from the System Settings Menu.
 - 3-1. Select an item from pull-down menu ②.
 - (A)System
 - (B)Automatic control
 - 3-2. Click the item to be set ③, and press the [Execute] button ④.
The example on the left shows the appearance of the screen for passwords.
 - 3-3. The setting screen selected appears.
 - 3-4. When the setting has been made on the setting screen, press [Close], [OK] or [Cancel].
Detailed operation is described in the following items.
 - 3-5. Screen 2 reappears. The setting selected is complete.
 - 3-6. If another item is to be set, repeat the operation in 3-1 - 3-5.
If there is no more item to be set, press the [Close] button ⑤.
Screen 1 Monitoring screen reappears.

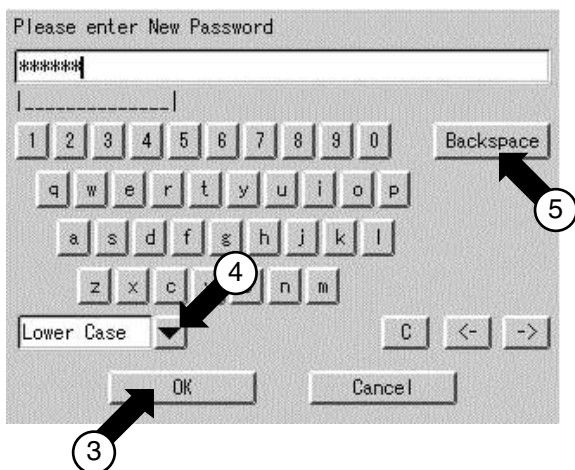
The following pages describe the System Settings operation in order.

System Settings Menu Operation

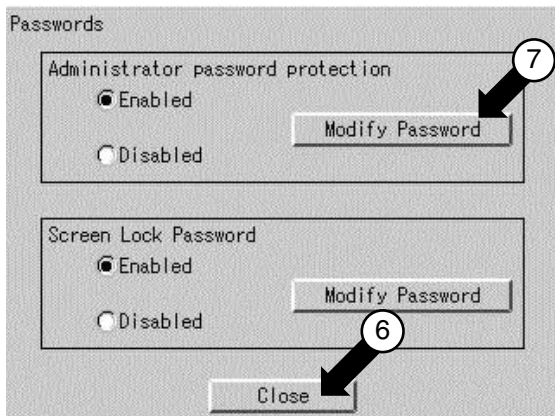
Screen 1 Passwords



Screen 2 Enter Password



Screen 3 Passwords



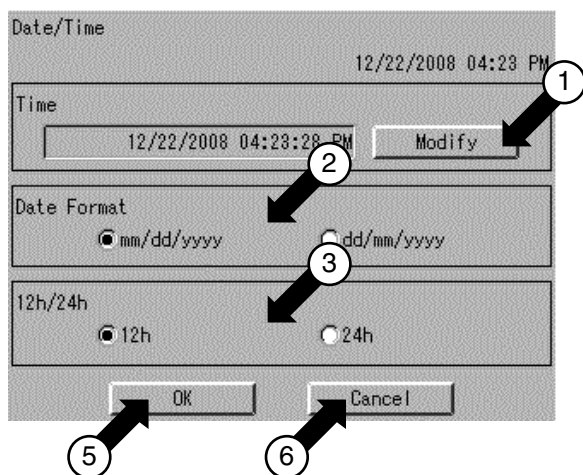
Passwords

1. Select **Passwords** at Screen 2(A) on page 60.
 2. Screen 1 Passwords, which is shown on the left, appears.
 3. Select **Enabled** or **Disabled** for password Protection ①.
If **Disabled** is selected, press the [Close] button ②. The setting is completed.
If **Enabled** is selected, Screen 2 Enter Password appears.
Perform following operation in 4 to 7.
 4. Use the keyboard on the panel to enter the password.
NOTE: Password is case-sensitive (see ④). Use caution and enter the exact password.
A password can be as long as 32 characters.
When a wrong character is entered by mistake, press the [Back Space] button ⑤.
 5. When the setting has been made, press the [OK] button ③.
Pressing the [Cancel] button is equal to setting **Disabled** for Password Protection.
 6. For confirmation, Please confirm Password screen appears. Enter the password as described in 4. Screen 3 appears.
 7. Pressing the [Close] button ⑥ completes the setting.
- MEMO:** To change the password, press the [Modify Password] button ⑦ and repeat the operation in 4 - 7 above.

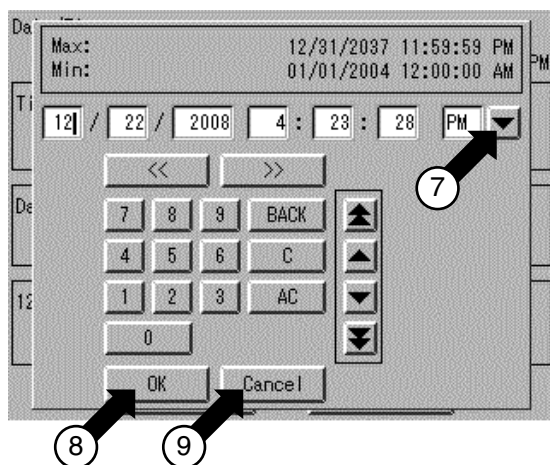
* Password setting is possible in the same way both in Administrator password protect and Screen Lock Password.

System Settings Menu Operation

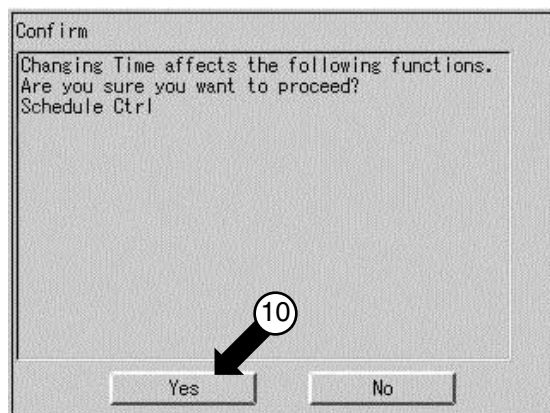
Screen 1 Date/Time



Screen 2 Date/Time



Screen 3 Confirmation



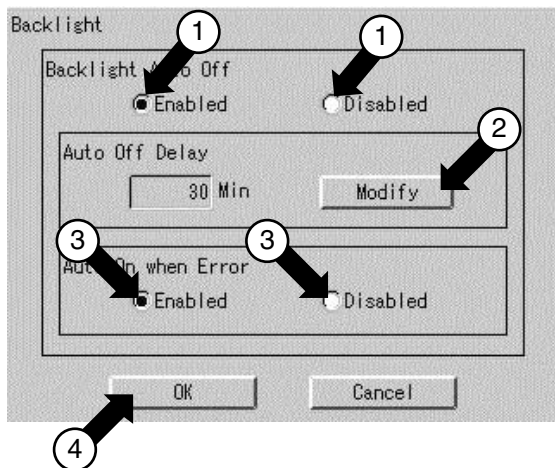
Date/Time

1. Select **Date/Time** at Screen2(A) on page 60.
2. Screen 1 Date/Time, shown at left, appears.
Set the date display format on Date Format section ②.
For the date format, select either [mm/dd/yyyy] or [dd/mm/yyyy].
Set the time display format on 12h/24h section ③.
For the time format, select either [12h] or [24h].
Press the [Modify] button ①.
Screen 2 Date/Time Dialog Box appears. The screen at left shows a date format of [mm/dd/yyyy] and a time format of [12h].
3. If [mm/dd/yyyy] was selected as the date format, enter the month, day, year, hours, and minutes in order.
If [dd/mm/yyyy] was selected as the date format, enter the day, month, year, hours, and minutes in order.
If [12h] was selected as the time format, select "AM" or "PM" from the pull-down menu ⑦.
4. When the setting is completed, press the [OK] ⑧ button.
Screen 1 Date / Time appears. Press the [OK] button ⑤.
Screen 3 Confirmation appears.
To cancel the input, press the [Cancel] button ⑨.

* Two kinds of date format mean the indication sequence of the date as follows;
mm/dd/yyyy: month, day, year
dd/mm/yyyy: day, month, year

System Settings Menu Operation

Screen 1 Backlight



Backlight

1. Select **Backlight** at Screen 2(A) on page 60.
2. Screen 1 Backlight, which is shown on the left, appears.
3. Press **Enabled** or **Disabled** for Backlight Auto Off ①.
If you select Disabled, go to step 6.

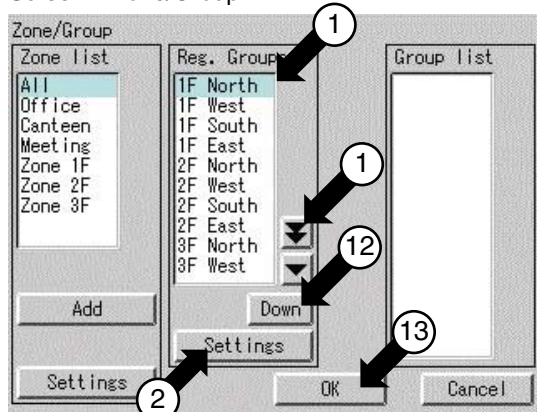
! Caution

For longer service life of the backlight, select **Enabled** whenever the backlight does not need to be illuminated all the time. The backlight once turned OFF is illuminated again when the panel is touched or automatically activated by any error generated in the air conditioner if **Enabled** is selected for 5. Auto On when Error.

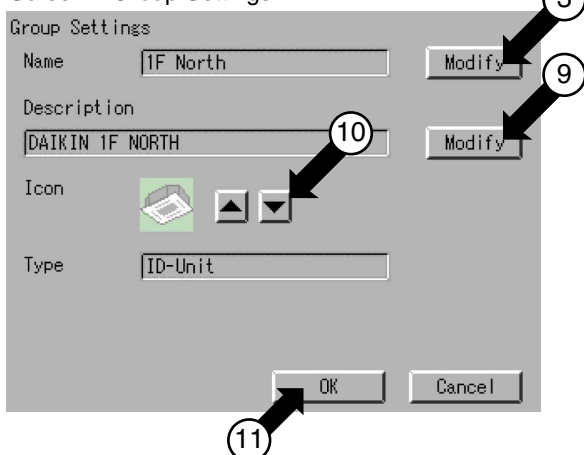
4. Press the [Modify] button ②.
Input dialog is displayed.
Set the time for automatic OFF.
5. Set whether the backlight should be automatically turned ON when any error is generated in air conditioners by selecting **Enabled** or **Disabled** ③.
6. Press the [OK] button ④.
To cancel the setting, press the [Cancel] button.

System Settings Menu Operation

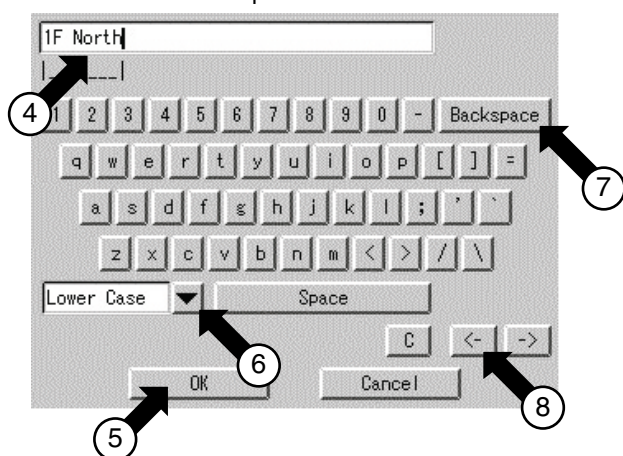
Screen 1 Zone/Group



Screen 2 Group Settings



Screen 3 Enter Group Name

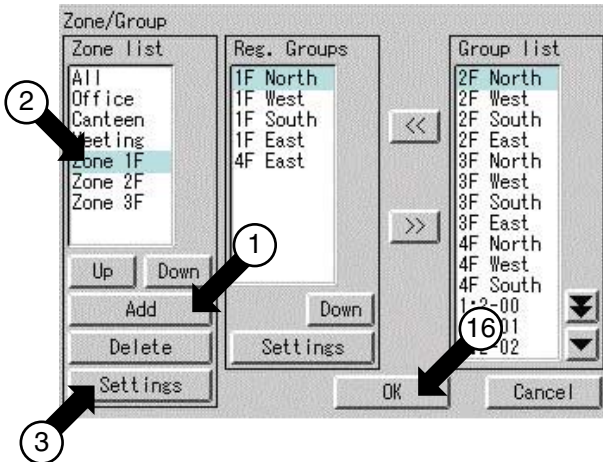


Group Settings

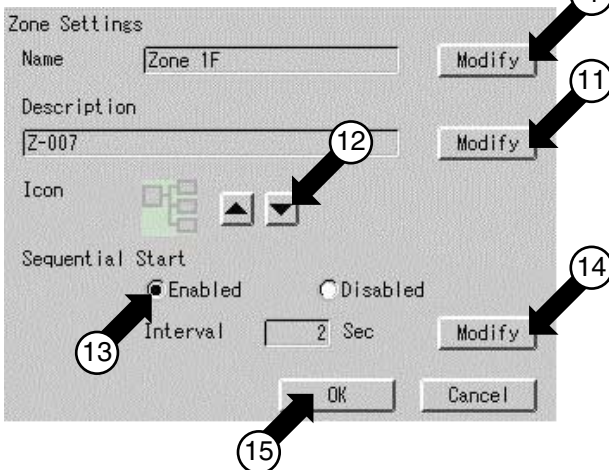
1. Select **Zone/Group** at Screen 2(A) on page 60.
2. Screen 1 Zone/Group, which is shown on the left, appears.
3. Select the group to be set with ①. Press the [Settings] button ②. Group Settings in Screen 2 is displayed.
4. Press the [Modify] button ③. Screen 2 Enter Group Name appears. Use the keyboard on the panel to enter the name in such a way that it is contained in the area ④. If it is not contained in the area, reduce the number of characters and reenter.
[How to use the keyboard]
⑥ : Button to select between uppercase and lowercase.
⑦ : Button to correct wrong entries made. Pressing one time deletes one character leftward starting at the cursor.
⑧ : Button to move the cursor.
When all entries have been made, press the [OK] button ⑤. To cancel, press the [Cancel] button. Screen 2 Group Settings reappears.
5. Press the [Modify] button ⑨ and enter the name as shown in step 4 above.
6. Press the [▲] or [▼] button ⑩ to select an icon. The selection of icon does not affect the operation of the group.
7. Select the position with the [Down] or [Up] button ⑫ for showing the group currently selected within the zone.
8. Press the [OK] button ⑬. To cancel the setting, press the [Cancel] button.

System Settings Menu Operation

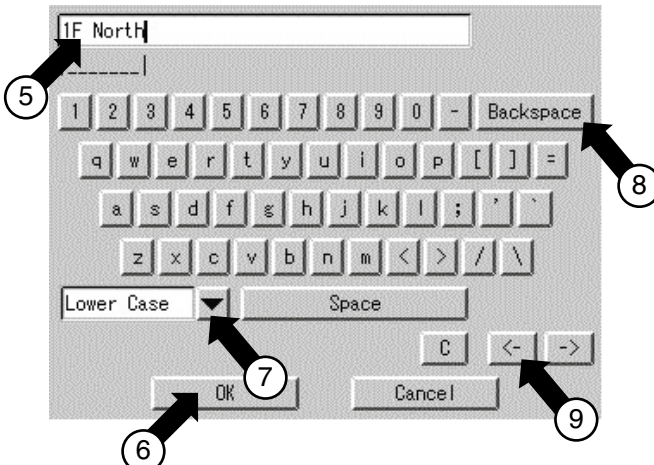
Screen 1 Zone/Group



Screen 2 Zone Settings



Screen 3 Enter Group Name



Zone Settings

1. Select **Zone Settings** at Screen 2(A) on page 60.
2. Screen 1 Zone/Group, which is shown on the left, appears.
3. To add a zone, press the [Add] button ①. A zone is added with the name Z-000. To modify the zone, select with ② the zone to be modified. Press the [Setup] button. Zone Settings in screen2 is displayed.
4. Press the [Modify] button ④. Screen 3 Enter Group Name appears. Use the keyboard on the panel to enter the name in such a way that it is contained in the area ⑤. If it is not contained in the area, reduce the number of characters and reenter.

[How to use the keyboard]

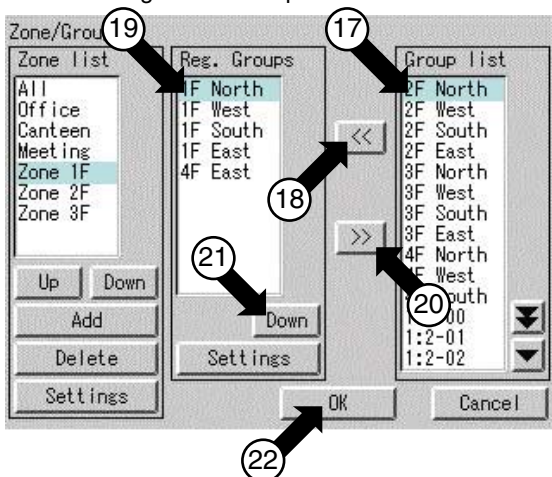
 - ⑦ : Button to select between uppercase and lowercase.
 - ⑧ : Button to correct wrong entries made. Pressing one time deletes one character leftward starting at the cursor.
 - ⑨ : Button to move the cursor.

When all entries have been made, press the [OK] button ⑥. To cancel, press the [Cancel] button. Screen 2 Group Settings reappears.
5. Press the [Modify] button ⑪ and enter the name as shown in step 4 above.
6. Press the [▲] or [▼] button ⑫ to select an icon. The selection of icon does not affect the operation of the group.
7. For operation by the zone, to start the groups in the zone one by one rather than at one time, select **Enabled** for Interval Start ⑬. To start the groups at one time, select **Disabled**. If you select **Enabled**, press the [Modify] button ⑭ and set the interval time for group sequential start.

Note: For the zone Collective, the factory setting is **Enabled** for Interval Start and 2 (seconds) for Interval.

System Settings Menu Operation

Screen 3 Registered Groups Edit



Zone Settings 2

8. Set the groups to be registered for the zone currently selected.

To add a group to the zone, select the group to be added with ① and press the [<<] button ⑧.

To delete a group registered for a zone, select the group to be deleted with ⑨ and press the [>>] button ⑩.

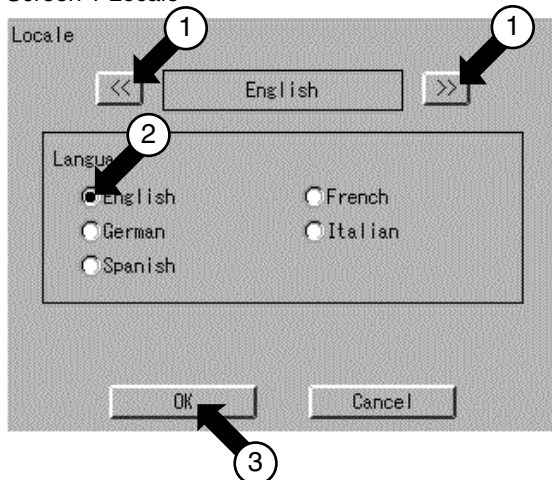
The [Up] or [Down] button ⑪ allows changing the order in display of groups in the zone currently selected on the Monitoring screen.

The group shown on the top is the representative unit for the zone.
In the example of Screen 3 shown on the left, 1F Lobby is the representative unit for the zone 1F.

When all editing has been completed, press the [OK] button ⑫.

To cancel the setting, press the [Cancel] button.

Screen 1 Locale



Locale

1. Select **Locale** at Screen 2(A) on page 60.
2. Confirm that the Locale screen Screen 1 will be displayed in the left-hand column.
3. Select a language by pushing [<<], [>>] button ① on the Locale screen. (The details of settings remain unchanged.)
4. Select a language via the Language radio button ②.
5. Last, push [OK] button ③.
 To cancel the settings made, push [Cancel] button.

System Settings Menu Operation

Screen 1 Network

The screenshot shows the 'Network' settings screen. It has a title 'Network' at the top left. Below it are several fields with their current values and 'Modify' buttons to their right. Arrows with numbers 1 through 7 point to these elements: 1 points to the first 'Modify' button (Host name), 2 points to the second 'Modify' button (IP address), 3 points to the third 'Modify' button (Subnet mask), 4 points to the fourth 'Modify' button (Default gateway), 5 points to the fifth 'Modify' button (Preferred DNS), 6 points to the sixth 'Modify' button (Alternate DNS), and 7 points to the 'OK' button at the bottom left. The fields are: Host name (daikin), IP address (192.168. 0. 1), Subnet mask (255.255.255. 0), Default gateway (0. 0. 0. 0), Preferred DNS (0. 0. 0. 0), and Alternate DNS (0. 0. 0. 0). At the bottom are 'OK' and 'Cancel' buttons.

Field	Value	Action
Host name	daikin	Modify (1)
IP address	192.168. 0. 1	Modify (2)
Subnet mask	255.255.255. 0	Modify (3)
Default gateway	0. 0. 0. 0	Modify (4)
Preferred DNS	0. 0. 0. 0	Modify (5)
Alternate DNS	0. 0. 0. 0	Modify (6)
		OK (7) / Cancel

Network

1. Select **Network** at Screen 2(A) on page 60.
2. Confirm that the Network screen Screen 1 will be displayed as shown in the left-hand column.
3. Push the [Modify] button ① and enter a **Host name** on the resulting input screen.
4. Push the [Modify] button ② and enter an **IP address** on the resulting input screen.
5. Push the [Modify] button ③ and enter a **Subnet mask** on the resulting input screen.
6. Push the [Modify] button ④ and enter a **Default gateway** on the resulting input screen.
7. Push the [Modify] button ⑤ and enter a **Preferred DNS** on the resulting input screen.
8. Push the [Modify] button ⑥ and enter a **Alternate DNS** on the resulting input screen.
9. After making the settings, push the [OK] button ⑦.
To cancel the settings made, push the [Cancel] button.

System Settings Menu Operation

Screen 1 Web Server

Screen 2 Input dialog

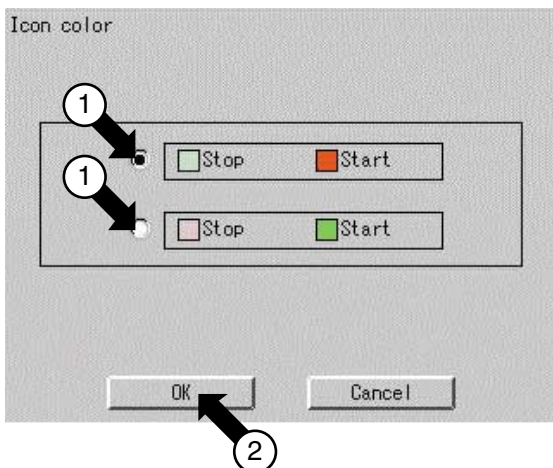
Screen 3 Confirmation

Web Server Setting

1. Select **Web Server** at Screen 2(A) on page 60.
2. Screen 1 Web Server as shown on the left will be displayed.
3. Set the desired port number.
Select either **Default** ①, or **User settings** ②.
When selecting **Default** ①, continue from 5. below. The default value is 80.
When **Default** is selected the [Modify] button ③ will not be displayed.
4. After selecting **User settings** ②, click the [Modify] button ③.
Screen 2 Input dialog as shown on the left will be displayed. Enter the desired value.
The user settings default value is 8080.
The input range is 1024-65535.
5. After the desired value has been entered, click the [OK] button ④.
Screen 1 Web Server will be displayed.
6. Push the [OK] button ⑤. Screen 3 Confirmation as shown on the left will be displayed.
7. If you wish to enable the setting push the [Yes] button ⑥. Rebooting will commence and the setting will be completed.
If you do not wish to enable the setting, push the [No] button ⑦. Screen 1 Web Server will be displayed.

System Settings Menu Operation

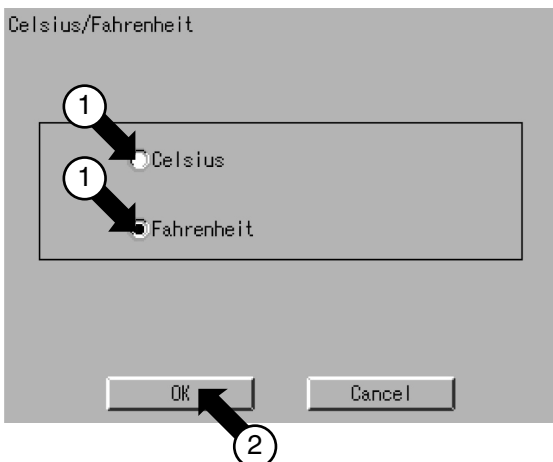
Screen 1 Icon color



Icon Color Setting

1. Select **Icon color** at Screen 2(A) on page 60.
2. Confirm that the Icon color screen Screen 1 will be displayed as shown in the left-hand column.
3. Select a desired color via the radio button ① to change the start/stop icon color on the Icon color screen. Note that the stop icon color is light green and the start icon color red at factory setting, and the start icon color red at factory setting.
4. Push the [OK] button ②. To cancel the settings made, push the [Cancel] button.

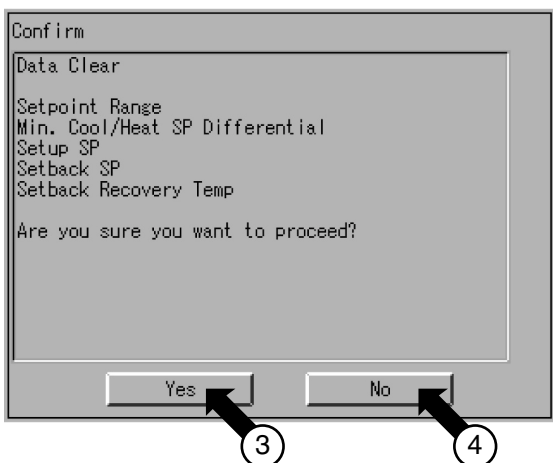
Screen 1 Celsius / Fahrenheit



Celsius / Fahrenheit Setting

1. Select **Celsius / Fahrenheit** at Screen 2(A) on page 60.
2. Confirm that the Icon color screen Screen 1 will be displayed as shown in the left-hand column.
3. Select either of **Celsius** or **Fahrenheit** by the radio button ①.
4. Screen 2 Confirm will be displayed by pressing the [OK] button ②. Following settings are cleared when Celsius/Fahrenheit is set.
 - Setpoint range
 - Min. Cool/Heat Setpoint Differential
 - Setup setpoint
 - Setback setpoint
 - Setback Recovery Temperature
 If there are no problem, press [Yes] button ③. To cancel the setting, press [No] button ④.

Screen 2 Confirm



System Settings Menu Operation

Screen 1 Activation key input

Activation key input

MAC address xx-xx-xx-xx-xx-xx

Basic software [XXXXXXXXXXXXXX]

Intelligent Touch Controller

Option	Activation key
PPD	XXXXXXXXXXXXXX
WEB	XXXXXXXXXXXXXX
HTTP Interface	XXXXXXXXXXXXXX

Add

OK Cancel

Screen 2 Input Screen

[Input field]

[Backspace]

q w e r t y u i o p [] =

a s d f g h j k l ; ' \

z x c v b n m < > / \

Lower Case Space

OK Cancel

Activation Key Input

1. Scroll the System Settings menu and select **Activation key input** at Screen 2(A) on page 60.
2. Confirm that the Activation key input screen Screen 1 will be displayed as shown in the left-hand column.
3. Push the [Add] button ① and input an option software activation key on the resulting keyboard dialog. In this case, care should be taken for key input because the activation key cannot be registered so long as it contains incorrect uppercase or lowercase letters.

[How to use the keyboard]

- ③ : Button for switch uppercase to lowercase and vice versa.
- ④ : Button for deleting a character input by pressing the incorrect character key You can delete any number of characters from the cursor position to the left by pushing this button as many times as necessary.
- ⑤ : Button for moving the cursor
After making the necessary settings, push the [OK] button ⑥.
To cancel the settings made, push the [Cancel] button and return to the Activation key input screen Screen 1.

4. After adding the option, push the [OK] button ② to determine the input activation key. Then, push the [OK] button on the restart confirmation screen to restart the intelligent Touch Controller.

System Settings Menu Operation

Screen 1 Schedule

Schedule

Schedule 1	Disabled
Schedule 2	Disabled
Schedule 3	Disabled
Schedule 4	Disabled
Schedule 5	Disabled
Schedule 6	Disabled
Schedule 7	Disabled
Schedule 8	Disabled

Calendar

Events

Edit Schedules

Modify Name

Week Pattern

Enable/Disable

Close

Screen 2 Calendar

Calendar

Month	day	Schedule
Jan	1	Ex1
Feb	1	Ex2
	3rd Mon	Weekend

Add

Modify

Delete

Up

Down

OK

Cancel

Screen3 Exeption Day

Exception Day

☒ Date

Jan 1

☐ Week - Day

Mar 3rd Mon

Schedule Pattern

Mon

Tue

Wed

Thu

Fri

Sat

Sun

Ex1

Ex2

Ex3

Modify

Modify

OK

Cancel

Set Schedule and Calendar

Before setting a calendar, refer to Page 44 to consider what kind of schedule to set, and to perform the operations. The following is an example for Zone 2, on Page 44.

This example shows the setting that determines which days in the year schedule to use for special days (such as the summer holidays) requiring air conditioner control different from that in the regular weekly schedule.

1. Select **Schedule** at Screen 2(B) on page 60.
2. Confirm that the Schedule screen Screen 1 will be displayed as shown in the left-hand column.
3. Select a schedule from ① to set or change the calendar.
4. Push the [Calendar] button. Screen 2 Calendar appears. To return to Screen 1 Schedule, push the [Cancel] button ⑩. When settings are completed, push the [OK] button ⑨.
5. To add a new exception day, select the [Add] button ③. Screen 3 Exception Day appears. To return to Screen 2, push the [Cancel] button ⑩.
6. With ⑪, select whether to use a Date setting pattern or Week-Day setting pattern. Select the schedule pattern to use for the exception day from the list ⑭.
7. To change the Date setting, select the [Modify] button ⑫. Screen 4 Date appears. To return to Screen 3 Exception Day, push the [Cancel] button ⑩. To change the month setting, select from the pull-down menu ⑬. To change the date setting, select from the pull-down menu ⑬. When settings are completed, push the [OK] button ⑮.

Screen4 Date

Screen5 Week-Day

8. To change the Week-Day setting, select the [Modify] button ⑬. Screen 5 Week-Day appears. To return to Screen 3 Exception Day, push the [Cancel] button ⑮.
To change the month setting, select from the pull-down menu ⑲.
To change the week setting, select from the pull-down menu ⑳.
To change the day-of-week setting, select from the pull-down menu ㉓.
When the settings are completed, push the [OK] button ㉔.
9. When all calendar settings are completed, push the [OK] button ⑮.
10. To change a exception day setting, select the exception day to change in the list ⑧, then push the [Modify] button ④. The procedure for changing the setting is the same as for adding a new setting.
11. To delete a exception day setting, select the exception day to change in the list ⑧, then push the [Delete] button ⑤.
12. To change the order of exception days, use buttons ⑥ and ⑦ .
To raise a exception day by one position, select the day to change the order for in the list ⑧, then push the [Up] button ⑥.
To lower a exception day by one position, select the day to change the order for in the list ⑧, then push the [Down] button ⑦.

System Settings Menu Operation

Screen 1 Schedule

Schedule	Status
Schedule 1	Disabled
Schedule 2	Disabled
Schedule 3	Disabled
Schedule 4	Disabled
Schedule 5	Disabled
Schedule 6	Disabled
Schedule 7	Disabled
Schedule 8	Disabled

Screen 2 Event List

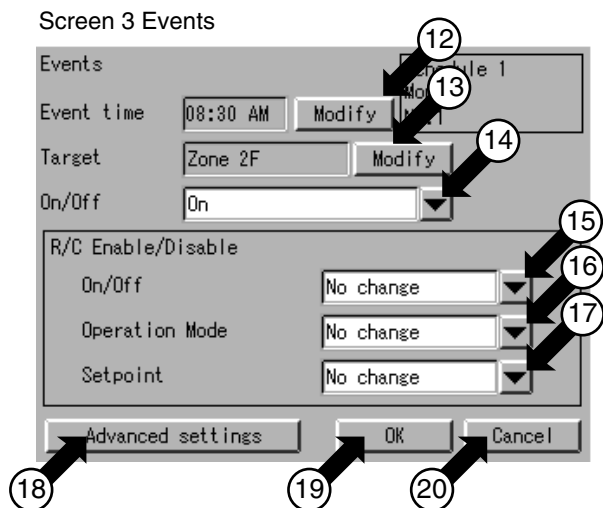
No.	Time	Target	On/Off
01	08:30	Zone 2F	On
02	12:00 PM	Zone 2F	Off
03	01:00 PM	Zone 2F	On
04	05:00 PM	Zone 2F	Off
05	10:00 PM	Zone 2F	Off

Set Schedule and Event

Before setting a event, refer to Page 36 to consider what kind of schedule to set, and to perform the operations. The following is an example for Page 45.

1. Select **Schedule** at Screen 2(B) on page 60.
2. Confirm that the Schedule Screen 1 will be displayed as shown in the left-hand column.
3. Select a schedule from ① to set or change the event(s).
4. Push the [Events] button ② to display an event list (Screen 2).
Here, actual schedule operations are set for each of 11 kinds of days (Sunday to Saturday, Ex1 to Ex4). First, use the pull-down menu ③ to determine a day of the 11 kinds of days for which events are to be set. Screen 2 indicates that Mon has been selected.
5. The following describes in order the functions of buttons ④ to ⑧.
 - ④ Add :
Use this button to add the new event. Pushing this button causes the Events Screen 3 on the next page to be displayed.
For details on event setup operation, refer to the descriptions given on the next page.
 - ⑤ Copy :
Use this button to make the same setting as for the previously set event. Select the previously set event from ⑨. Push the copy button ⑤ to copy the event.
Push the [Modify] button ⑥ (described below) to modify the copy event.
 - ⑥ Modify :
Use this button to change the previously registered event. Select the event to be changed from ⑨ and push the [Modify] button ⑥.
 - ⑦ Delete :
Use this button to delete the previously registered event. Select the event to be deleted from ⑨ and push the [Delete] button ⑦.
 - ⑧ Edit Schedules :
This button provides the functions similar to those of the above copy button. This button can be used to copy the events set for a set of days (Sunday to Saturday and Ex1 to Ex4) to another set of days (Sunday to Saturday and Ex1 to Ex4). (For details on Edit Schedules, refer to page 79 "Convenient Functions.")

System Settings Menu Operation



A full description of each button has been given above.

The following discusses how to make the actual settings.

To define the new operation, push the [Add] button ④. To change the previously set operation, push the [Modify] button ⑥.

6. Push the Add button or Modify button on the previous page, and the Event setup screen Screen 3 will be displayed. The current settings of events are shown at the left side of the buttons ⑫ to ⑰. The following describes in order the settings of events that can be made.

- Event time :
Refers to the event setting time. Display a keyboard for registering the time by pushing the [Modify] button ⑬ and enter the time.
- Target :
Refers to the zone or group of the air conditioner to be controlled. Push the [Modify] button ⑬ to select a zone or group for which schedule operations should be performed.
- On / Off :
Sets Start, Stop or No change. Use the pull-down menu ⑭ for this selection.

[How to make the setting for the remote control at hand]

- On / Off :
Select **Permitted**, **Off Only**, **Prohibited** or **No change** from the pull-down menu ⑮
- Operation Mode :
Select **Permitted**, **Prohibited** or **No change** from the pull-down menu ⑯.
- Setpoint :
Select **Permitted**, **Prohibited** or **No change** from the pull-down menu ⑰.
- Advanced settings :
Push the button ⑱ to display an advanced settings screen Screen 4. The descriptions of the advanced settings are shown on the next page.

After setting the operation and making the advanced settings on the next page, push the [OK] button ⑲. To cancel the settings made, push the [Cancel] button ⑳ to return to Screen 2 on the previous page. When making additional settings, repeat the operations shown in steps 5 and 6. After making the necessary settings, push the [OK] button on Screen 2 of the previous page.

System Settings Menu Operation

Screen4 Advanced settings (Setpoint)

Advanced settings

Operation Mode: No change [21]

Setpoint

Cool: No change [22] Modify [23]

Heat: No change [24] Modify [25]

HRV settings [26] OK Cancel

Screen5 Advanced settings (Setback)

Advanced settings

Operation Mode: No change [27]

Setback Setpoint

Cool: No change [28] Modify [29] Deactivate [30]

Heat: No change [31] Modify [32] Deactivate

HRV settings OK Cancel

Screen6 HRV settings

HRV settings

Ventilation mode: No change [33]

Ventilation amount: No change [34]

OK [35] Cancel [36]

7. On Screen 3 Events shown on the previous page, when ⑬ is set to anything other than **Zone** and ⑭ is set to anything other than **Off**, and the [Advanced settings] button ⑮ is pushed, Screen 4 Advanced settings (Setpoint) appears.

Select the operation mode from the pull down menu ⑳.

Select **Cool**, **Heat**, **Auto**, **Fan**, **Dependent**, or **No change**. However when the selected zone or group does not have the cooling-heating switchover right, only 3 modes are available: **Dependent**, **Fan**, and **No change**.

Push the [Modify] button ㉒ and set the cooling temperature setpoint.

Push the [Modify] button ㉓ and set the heating temperature setpoint.

When the settings are completed, push the [OK] button ㉔.

To cancel the setting, push the [Cancel] button ㉕.

The screen returns to Screen 3 Events shown on the previous page.

8. On Screen 3 Events shown on the previous page, when ⑬ is set to "Zone" and ⑭ is set to "Off", and the [Advanced settings] button ⑮ is pushed, Screen 5 Advanced settings (Setback) appears.

Select the operation mode from the pull down menu ㉗.

Select **Cool**, **Heat**, **Auto**, **Fan**, **Dependent**, or **No change**. However when the selected zone or group does not have the cooling-heating switchover right, only 3 modes are available: **Dependent**, **Fan**, and **No change**.

Push the [Modify] button ㉘ and set the cooling setback temperature setpoint.

Push the [Modify] button ㉙ and set the heating setback temperature setpoint.

When the settings are completed, push the [OK] button ㉚.

To cancel the setting, push the [Cancel] button ㉛.

The screen returns to Screen 3 Events shown on the previous page.

9. When the [HRV setting] button ㉔ on Screen 4 Advanced settings (Setpoint), or the [HRV setting] button ㉖ on Screen 5 Advanced settings (Setback), is pushed, Screen 6 HRV settings appears.

System Settings Menu Operation

Screen 1 Schedule

Change Schedule Name

1. Select **Schedule** at Screen 2(B) on page 60.
2. Confirm that the Schedule setup screen Screen 1 will be displayed as shown in the left-hand column.
3. Select a schedule from the list ① to change the name.
4. Display a keyboard screen by pushing the [Modify Name] button ② and enter a desired schedule name on that keyboard. A schedule name can be entered in up to 16 characters.

Screen 2 Event List

No.	Time	Target	On/Off
01	08:30	Zone 2F	On
02	12:00 PM	Zone 2F	Off
03	01:00 PM	Zone 2F	On
04	05:00 PM	Zone 2F	Off
05	10:00 PM	Zone 2F	Off

Change Special Day Name

1. Select a specify day from the pull-down menu ① on the event list screen to change the name.
2. Confirm that the [Modify Name] button ② will be displayed for the selected special day.
3. Display a keyboard screen by pushing the [Modify Name] button ② and enter a desired special day name. A special day name can be entered in up to 8 characters.

Screen 3 Schedule

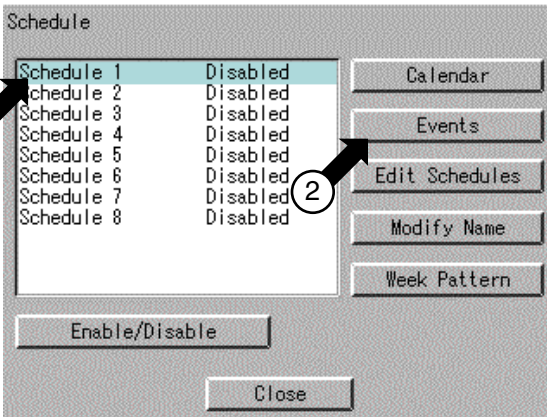
Enable or Disable Schedule

1. Last, enable or disable a schedule. Perform the following operations on the schedule Screen 3. Select a schedule from the list ① and enable or disable the schedule at ②. On the confirmation screen, push the [Yes] button to enable the schedule and the [No] button to disable it. Then, check to see the display **Enabled** or **Disabled** in right side of ① to confirm that the schedule has been enabled or disabled successfully.

Even if the calendar or event is set, no schedule function works unless the schedule is enabled.

System Settings Menu Operation

Screen 1 Schedule



Schedule	Status
Schedule 1	Disabled
Schedule 2	Disabled
Schedule 3	Disabled
Schedule 4	Disabled
Schedule 5	Disabled
Schedule 6	Disabled
Schedule 7	Disabled
Schedule 8	Disabled

Buttons: Calendar, Events, Edit Schedules, Modify Name, Week Pattern, Enable/Disable, Close

Convenient Function 1 Copy in Units of Events

* When it is necessary to reuse an event set for a day of the week, this function greatly helps you copy the event to the other day of the week.

EXAMPLE: When using the same schedule for Monday to Friday, set an event for Monday, then copy it for Tuesday to Friday to eliminate the efforts required for making the setting for each day of the week.

1. Select **Schedule** at Screen 2(B) on page 60.
2. Confirm that the Schedule Screen 1 will be displayed as shown in the left-hand column.
3. Select a schedule from ① to copy the event.
4. Push the [Events] button ② to display the Event list screen Screen 2.
5. Push the [Edit Schedules] button ③ to display the Copy Events screen Screen 3.

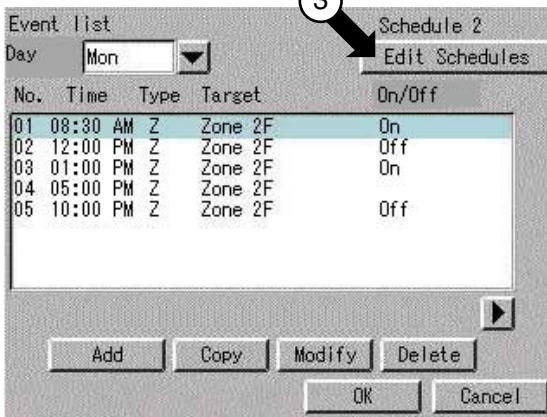
The following describes in order the functions of buttons ④ to ⑩.

Select a day of the week for a copy source at ④ and that for a copy destination at ⑤. In an example of the left-hand column, **Mon** is selected as a day of the week for the copy source and **Tues** as that for the day of the copy destination.

Then, select the event to be copied at ⑥ and push the [→] button ⑧ to copy the event No. 01 from Monday to Thursday.

Push the [→] button ⑨ to copy all the events from Monday to Thursday. Push the [←] button ⑩ once to delete the event copied incorrectly from ⑦. You must push the [←] button ⑩ as many times as necessary to delete multiple incorrect settings. After making the necessary settings, push the [OK] button ⑪ to return to the event list screen Screen 2.

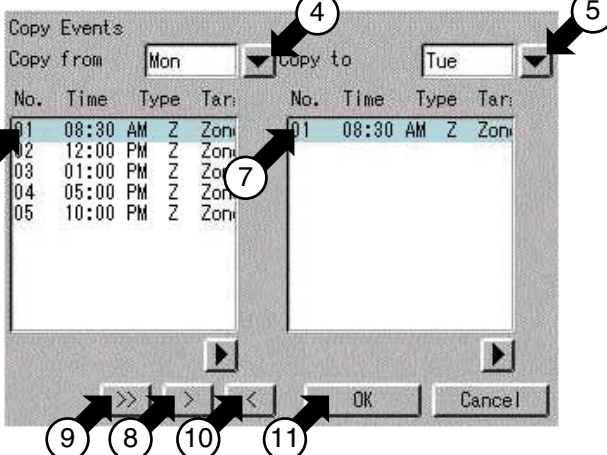
Screen 2 Event List



No.	Time	Type	Target	On/Off
01	08:30 AM	Z	Zone 2F	On
02	12:00 PM	Z	Zone 2F	Off
03	01:00 PM	Z	Zone 2F	On
04	05:00 PM	Z	Zone 2F	Off
05	10:00 PM	Z	Zone 2F	Off

Buttons: Add, Copy, Modify, Delete, OK, Cancel

Screen 3 Copy Events



Copy from					Copy to				
No.	Time	Type	Target		No.	Time	Type	Target	
01	08:30 AM	Z	Zone 2F		01	08:30 AM	Z	Zone 2F	
02	12:00 PM	Z	Zone 2F						
03	01:00 PM	Z	Zone 2F						
04	05:00 PM	Z	Zone 2F						
05	10:00 PM	Z	Zone 2F						

Buttons: >>, >, <, OK, Cancel

System Settings Menu Operation

Screen 1 Schedule

Schedule	Status
Schedule 1	Disabled
Schedule 2	Disabled
Schedule 3	Disabled
Schedule 4	Disabled
Schedule 5	Disabled
Schedule 6	Disabled
Schedule 7	Disabled
Schedule 8	Disabled

Screen 2 Edit Schedule

Content: Copy All [Apply]

from Schedule	to Schedule
Schedule 1	Schedule 1
Schedule 2	Schedule 2
Schedule 3	Schedule 3
Schedule 4	Schedule 4
Schedule 5	Schedule 5
Schedule 6	Schedule 6
Schedule 7	Schedule 7
Schedule 8	Schedule 8

[OK] [Cancel]

Convenient Function 2

Copy or Delete in Units of Schedules

* When it is necessary to resume a calendar setting made for schedule 1, this function greatly helps you copy the calendar setting to the other schedule(s).

EXAMPLE :

When reusing the same calendar setting (such as the summer holiday) for the other schedule, make the calendar setting for schedule 1, then copy it for the other schedule to eliminate the efforts required for making the same setting for each of the other schedules.

1. Select **Schedule** at Screen 2(B) on page 60.
2. Confirm that the Schedule screen Screen 1 will be displayed as shown in the left-hand column.
3. Push the [Edit Schedules] button ② to display the Edit Schedule screen Screen 2.

(For setup item copy)

Select a schedule for a copy source at ③ and that for a copy destination at ④. In an example of the left-hand column, the schedule of the copy source is schedule 1 and that of the copy destination schedule 2. Next, select the setup item (to be copied) of schedule 1 from the pull-down menu ⑤. The following setup items can be selected.

• Copy All

After selecting either of the above items, push the [Apply] button ⑥. Last, push the [OK] button ⑦ to terminate the copy procedure. To cancel the settings made, push the [Cancel] button ⑧ and return to the schedule screen Screen 1.

(For setup item deletion)

Select the schedule to be deleted at ④. Next, select the setup item to be deleted from the pull-down menu ⑤. The following setup items can be selected.

• Delete All

After selecting either of the above setup items, push the [Apply] button ⑥. Last, push the [OK] button ⑦. To cancel the settings made, push the [Cancel] button ⑧ and return to the schedule screen Screen 1.

Screen 1 Schedule

Schedule	Status
Schedule 1	Disabled
Schedule 2	Disabled
Schedule 3	Disabled
Schedule 4	Disabled
Schedule 5	Disabled
Schedule 6	Disabled
Schedule 7	Disabled
Schedule 8	Disabled

Buttons: Calendar, Events, Edit Schedules, Modify Name, Week Pattern, Enable/Disable, Close.

Screen2 Week Pattern

Week Pattern

☒ 7 days

☐ Weekday + Weekend

☐ Weekday + Sat + Sun

Buttons: OK, Cancel.

Screen 3 Confirm

Confirm

The following schedules will be deleted.
Are you sure you want to proceed?

Schedule 1

Buttons: Yes, No.

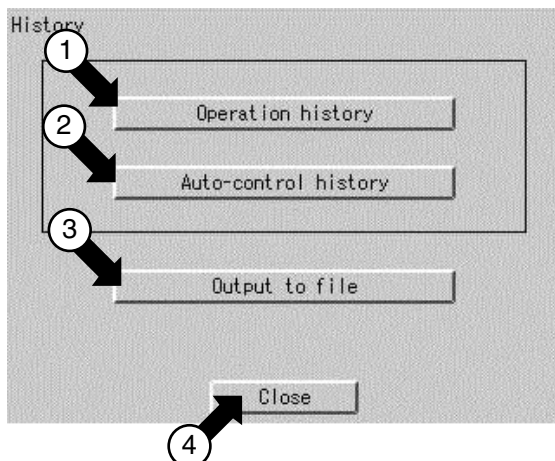
Setting a Week Pattern

This function allows 1 of 3 patterns to be set for the schedule: **7 days**, **Weekday + Weekend**, and **Weekday + Sat + Sun**.

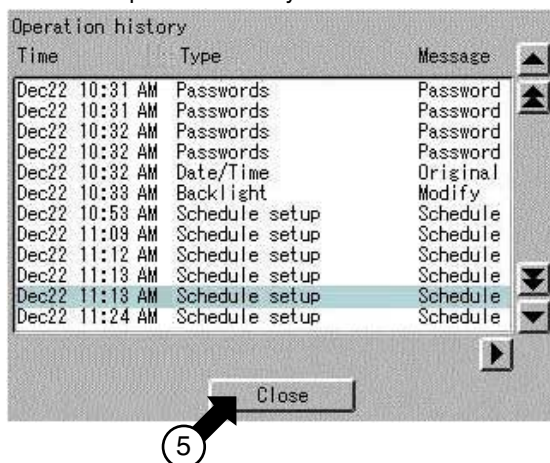
1. Select [Schedule] from Screen 2 shown on page 60.
2. Screen 1 Schedule, shown at left, appears.
3. From ①, select the schedule to change the week pattern for.
4. Push the [Week Pattern] button ②. Screen 2 Week Pattern appears.
5. From ③, select the week pattern. The following 3 patterns are available.
7 days
Weekday + Weekend,
Weekday + Sat + Sun
When the settings are completed, push the [OK] button ④. Screen 3 Confirm appears. To cancel the setting, push the [Cancel] button ⑤. The screen returns to Screen 1 Schedule.
6. On Screen 3 Confirm, confirm that the schedule setting will be cleared. If there is no problem, push the [Yes] button ⑤. Screen 1 Schedule appears. If there is a problem, push the [No] button. Screen 2 Week Pattern appears.

System Settings Menu Operation

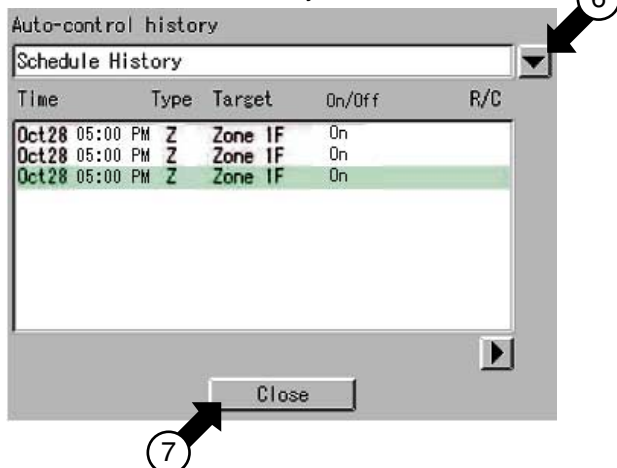
Screen 1 History



Screen 2 Operation History



Screen 3 Auto-control history



Check for History

1. **Select History** at Screen 2(A) on page 60.
2. The History screen Screen 1 appears as shown in the left-hand column.
3. When checking for the history of system Settings operations, touch the [Operation history] button ① to confirm that the Operation history screen Screen 2 is displayed. The system settings operations recorded in the controller are displayed in the order where they have been performed.
4. To return to the History screen, touch the [Close] button ⑤.
5. When checking for the history of automatic control operations, touch the [Auto-control history] button ② to confirm that the Auto-control history screen Screen 3 is displayed.
6. Use the pulldown menu ⑥ to display the following items on the related screens :
 - Schedule History
Use this item to display log records on schedule execution.
 - Simple Interlock History
After activating optional software, additional items are displayed from the drop-down menu ⑥.
 - E-mail History
7. To return to the History screen Screen 1, touch the [Close] button ⑦.
8. When saving the stored log records in a memory card, insert a commercially available PCMCIA flash memory card into a slot provided at the left side of the controller and touch the [Output to file] button ③.

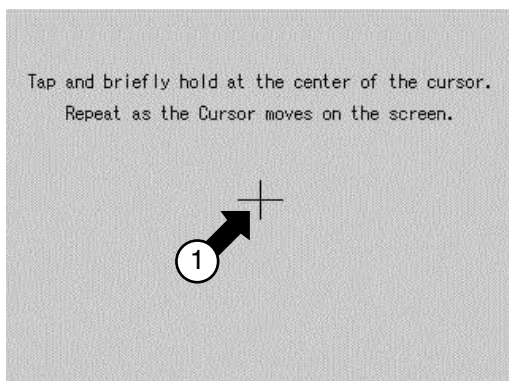
* Care should be taken for memory card insertion. Be sure to insert a memory card in such a way that the rear side of the card (not provided with a label for the manufacturer name and model name) should face upwards.

When the memory card has been forcibly inserted in wrong direction, the controller may be damaged.

Then, touch the [OK] button to save the log records in the memory card.
9. After checking the log record, touch the [Close] button ④.

System Settings Menu Operation

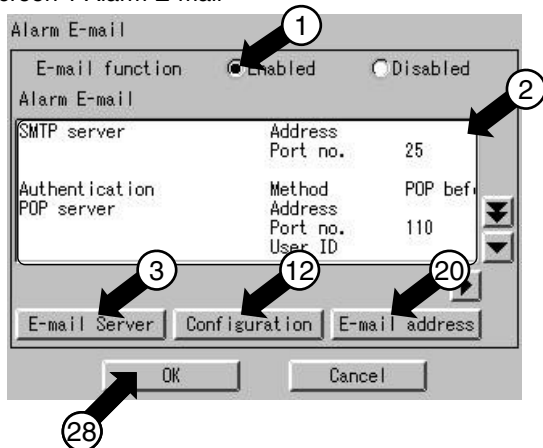
Screen 1 Touch Panel Calibration



Touch Panel Calibration

1. See page 63 and select Touch Panel Calibration.
2. Screen 1 Touch Panel Calibration, which is shown on the left, appears.
3. Follow the instruction shown on the screen and press the intersection of the crosshairs ① and keep it pressed for about 1 second.
4. The crosshairs are moved. Repeat the operation described in step 3 on a total of five points. When calibration is finished, the System Settings automatically appears within 30 seconds.

Screen 1 Alarm E-mail

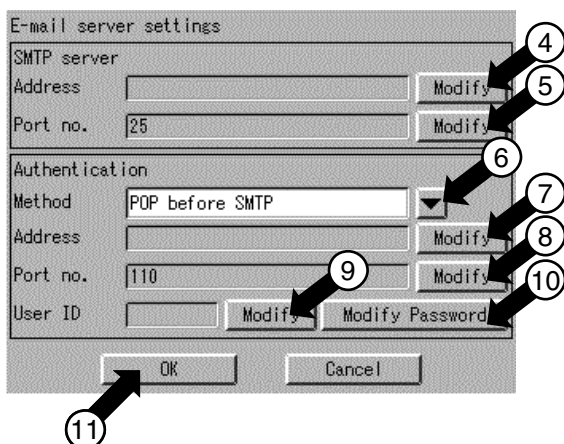


Alarm E-mail

* The e-mail function (option) comes standard with the Web function.
* Please configure the E-mail server settings which is specified by your Internet Service provider or network administrator.

1. Select **Alarm E-mail** according to the operating procedure shown in page 60.
2. Confirm that the Alarm E-mail screen Screen 1 will be displayed as shown in the left-hand column.
3. Select **Enabled** or **Disabled** for the e-mail function ①. When **Disabled** has been selected, there is no additional setup operation for the e-mail function. To continue the setup operation, be sure to select the [OK] button ②.
4. You can monitor the current setting in the display area ②.
5. Push the [E-mail Server] button ③ to display the E-mail server Settings screen Screen 2 will be displayed as shown in the left-hand column.
6. Push the [Modify] button ④ and enter an SMTP server address on the input screen.
7. Push the [Modify] button ⑤ and enter an SMTP server port number on the input screen.
8. Select the authentication method from the pull-down menu ⑥. For the authentication methods, select **No Authentication**, **POP before SMTP**, or **SMTP-AUTH**.
9. Push the [Modify] button ⑦. An input screen appears. Enter the address of the POP server.
10. Push the [Modify] button ⑧. An input screen appears. Enter the port No. of the POP server.
11. Push the [Modify] button ⑨. An input screen appears. Enter the user ID to use for authentication.

Screen 2 E-mail server Settings



System Settings Menu Operation

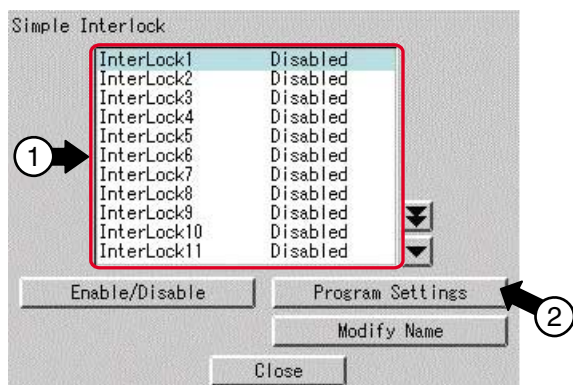
Screen 3 Alarm E-mail Configuration

Screen 4 E-mail address Settings

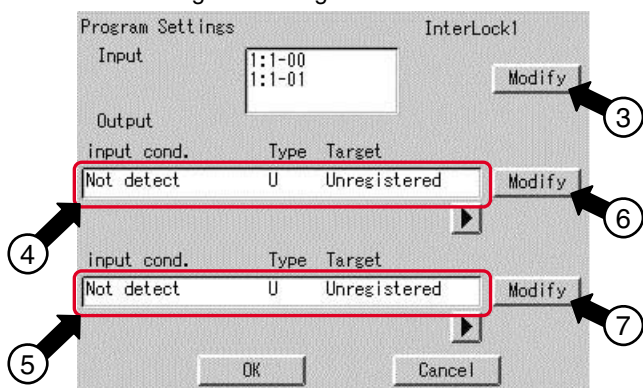
12. Push the [Modify Password] button ⑩.
An input screen appears. Enter the password to use for authentication.
Enter when **POP before SMTP** or **SMTP-AUTH** was selected as the authentication method.
13. Last, push the [OK] button ⑪ to return to the Alarm E-mail screen Screen 1.
(To cancel the settings made, push the [Cancel] button.)
14. Push the [Configuration] button ⑫ to display the Alarm E-mail Configuration screen of the Screen 3.
15. Push the [Modify] button ⑬ and enter a retransmission interval on the input screen.
The retransmission interval is an e-mail retransmission interval when faults occur consecutively with the equipment. This interval time (hour) must be a value from 1 to 72. Initially, it is set to 2 hours.
16. Push the [Modify] button ⑭ and enter an ITC identifier on the input screen. The name specified here is displayed in the Subject field during e-mail transmission.
17. When adding an air conditioner for fault confirmation by e-mail, select the air conditioner at ⑮ and push the [<<] button ⑯.
When deleting an air conditioner for fault confirmation by e-mail, select the air conditioner at ⑰ and push the [>>] button ⑱.
After finishing the necessary edit operations, push the [OK] button ⑲ to return to the Alarm E-mail screen on the previous page Screen 1.
To cancel the settings made, push the [Cancel] button.
18. Push the [E-mail address] button ⑳ on the previous page to display the E-mail address Settings screen Screen 4.
19. To enter the e-mail address to send mail to in the event of an air conditioner fault or other fault, push the [Add] button ㉑.
An input screen appears. Enter the destination e-mail address.
To delete an address, select the address to delete in ㉒ and push the [Delete] button ㉓.
To change a registered address, select the address to change in ㉔ and push the [Modify] button ㉕.
20. To set the e-mail address which the mail will be sent from, push the [Modify] button ㉖.
An input screen appears. Enter the source e-mail address.
21. After making the necessary settings, push the [OK] button ㉗ to return to the Alarm E-mail screen on the previous page Screen 1.
To cancel the settings made, push the [Cancel] button.
22. After finishing the necessary setting for e-mail, push the [OK] button ㉘.
To cancel the settings made, push the [Cancel] button.

System Settings Menu Operation

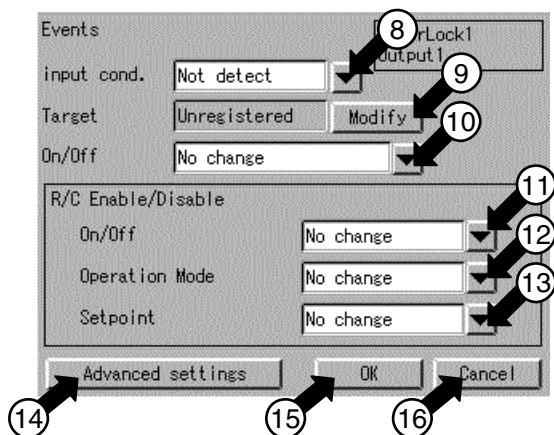
Screen 1 Simple Interlock



Screen 2 Program Settings



Screen 3 Events



Simple Interlock

1. Following the steps on page 60, to select **Simple Interlock**.
2. As shown in the figure of the Screen 1 on the left side, the Interlock Setup setting screen will be displayed.
3. From ①, select a simple interlock program where you want change the settings.
4. Press the [Program Settings] button. (See ②) As shown in the figure of the Screen 2, the Program Setup screen will be displayed.
5. Press the [Modify] button. (See ③) Select a group/groups to be registered as the input points of the interlock function. The maximum number of 128 groups can be registered.
6. In the figure on the left side, ④ indicates the controlled items by the interlock output 1 and so does ⑤ by the interlock output 2. To change these settings, press either of the [Modify] buttons (⑥ and ⑦) according to your need.

The Screen 3 shows the Events screen for the output 1.

7. The information displayed in the boxes pointed by ⑧ to ⑬ is the current settings of the event.

The items to be able to set are described below, in ascending order of the number shown in the figure.

- input condition : In this box, select a condition for the interlock input point to initiate the interlock control function. From the pull-down menu (see ⑧), select either of Not detect / Any turned ON / All. turned ON / Any turned OFF / All. turned OFF.
- Target : In this box, select a target of interlock control. Press the [Modify] button to select Zone or Group. (See ⑨)
- On / Off : In this box, select an operation performed when the interlock condition is met. From the pull-down menu (see ⑩), select either of No change/Start/Stop.

Settings about operations of the hand-held remote controller

On / Off : From the pull-down menu (see ⑪), select either of Permitted / Off only / Prohibited / Not change.

Operation Mode : From the pull-down menu (see ⑫), select either of Permitted / Prohibited / No change.

Setpoint : From the pull-down menu (see ⑬), select either of Permitted / Prohibited / No change.

- Advanced settings : Pressing this button (see ⑭) will move to the Screen 4 shown on the next page and display the Advanced settings screen. (This screen will be described on the next page.)

When the settings on this page and the advanced settings described on the next page are completed, press the [OK] button. Otherwise, to go back without changing any settings, press the [Cancel] button to go back to the Screen 2. To finish all the settings, press the [OK] button in the Screen 2.

System Settings Menu Operation

Screen 4 Advanced settings

8. In the Screen 3 Events on the previous page, pressing the [Advanced settings] (See 14) will display the Advanced settings screen shown in the Screen 4 on the left side. The information displayed in the boxes pointed by 17 to 20 is the current settings of the event.

- **Operation Mode** : In this box, select an operation mode specified to Zone or Group. From the pull-down menu (see 17), select either of Cool / Heat / Auto / Fan / Dependent / Dry / No change. Though the operation mode is set to Dry, some indoor unit with no change over option will not be changed to the Dry mode except in the cooling mode.

* Dependent can be used to order the indoor unit, without change over option in the VRV, to perform the temperature control operation other than the fan operation. When the interlock condition is met, this indoor unit will operate in the same operation mode as that of another indoor unit with change over option. For the same reason, even if the cooling / heating mode is set to an indoor unit without change over option, this unit operates in the same operation mode as that of another indoor unit with change over option. For detailed information about the change over option, please refer to the operation manual of the air conditioning unit.

- **Setpoint** : In this box, set a temperature of Zone or Group. Pressing the [Modify] button (see 18) will display the keyboard for registering a temperature, where you can input the desired temperature. The [Disable] button will be shown after pressing the [Modify] button once to set a temperature. Pressing the [Disable] button will cancel the temperature specified by the Modify operation described above.

To the HRVs included in the interlock operation targets, the settings described below can be made. However, this setting menu will be displayed even when the HRVs are not included in the targets, but any settings made in this menu will do nothing.

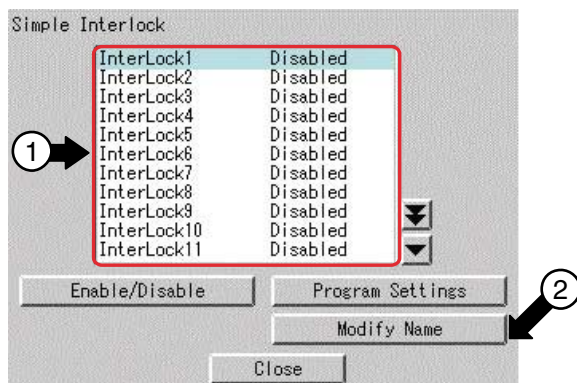
- **Ventilation mode** : In this box, set the ventilation mode. From the pull-down menu (see 19), select either of Automatic / Heat Exchange / Bypass / No change.

- **Ventilation amount** : In this box, set the ventilation amount. From the pull-down menu (see 20), select either of Auto (Normal)/Low (Normal) / High (Normal) / Auto (Freshen up) / Low (Freshen up) / High (Freshen up) / No change.

When the advanced settings are completed, press the [OK] button to go back to the Screen 3 shown on the previous page. Pressing the [OK] buttons in the Screen 3 and the Screen 2 continuously to go back to the Screen 1 shown on the previous page. The next step is to specify a name of the simple interlock, followed by the validity / invalidity setting. (Details of these settings will be described in the next page.)

System Settings Menu Operation

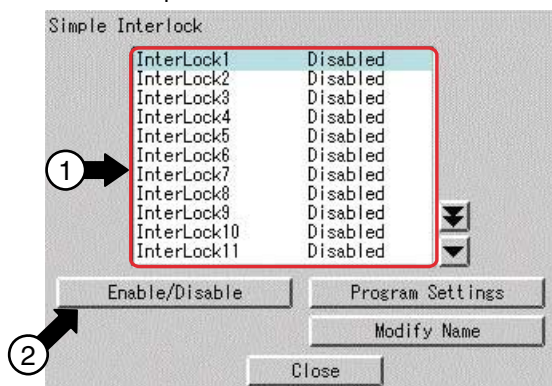
Screen 5 Simple Interlock



Simple Interlock Change Name

1. From the menu displayed on Page 63, select **Simple Interlock**.
2. As shown in the figure of the Screen 5 on the left side, the simple interlock screen will be displayed.
3. From ①, select a simple interlock program of which you want change the name.
4. Pressing the [Modify Name] button (see ②) will display the keyboard, where you can input the desired name of the interlock function. (The name of the simple interlock function can contain 16 characters maximum.)

Screen 6 Simple Interlock



Simple Interlock Enable/Disable Setting

1. The last thing to do is to switch between the validity / invalidity settings of the simple interlock function.
In the simple interlock setting screen shown in the figure of the Screen 6, follow the steps described below :
From ①, select a simple interlock program for which you want switch between the Enable / Disable settings.

Then pressing the button ② will switch between the Enable / Disable settings.

In the confirmation screen displayed, press [Yes] to make the change effective or [No] to cancel the change.

See the indication of Enable / Disable on the right side of ① to check whether the setting you made is correctly reflected.

[Note]

Even if the Simple Interlock are made, they are not activated unless you select the Enable button.

System Settings Menu Operation

Screen 1 Version Information



Version Information

This is a menu for checking the version number of the software for the intelligent Touch Controller currently used. Generally it is not necessary to check.

1. From Screen 2(A) displayed on Page 60, scroll the menu and select **Version Information**.
2. Screen 1 Version Information, which is shown on the left, appears. The figure on the left shows an example. It may be different from the actual version.
3. When the version number has been checked, press the [Close] button ①.

Precautions

Internal Battery Enable(ON)/Disable(OFF)Switch

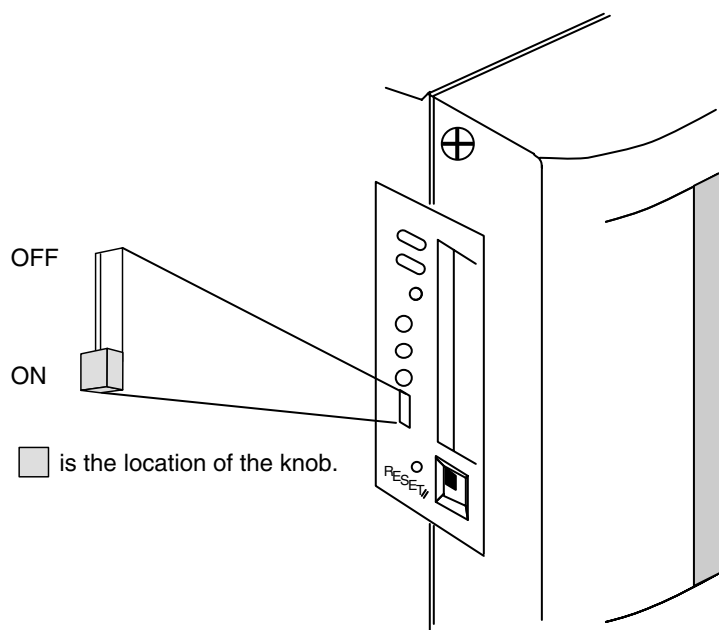
The intelligent Touch Controller is equipped with internal batteries in order to run the clock during blackouts. The batteries can be enabled and disabled using the switches shown in the figure below.

The clock will not function properly when a blackout occurs if this switch is turned to *OFF*. The switches are turned to *ON* when the unit is installed. Do not touch them unless the power has been turned off for a long time. (See the next page for details on what to do if the power has been off for long periods of time.)

<Location and Setting of Switches>

As shown in the figure, set the battery switch on the left side of this controller to ***OFF*** (switch knob upper side) or ***ON*** (switch knob lower side), using a small blade screwdriver.

(Turning this switch OFF does not erase the settings for groups, zones or schedule.)



NOTE

- Do not touch other switches.
- Avoid turning the switch ON and OFF with excessive force; otherwise such operation may lead to parts damage and failure.

LCD Maintenance

- When the surface of the LCD or the main unit of the intelligent Touch Controller is soiled, wipe the soil off with a piece of cloth soaked in a diluted neutral detergent and wrung sufficiently.

Note

- Do not use thinner, organic solvent, strongly acid solution, etc.
The print may fade or wear out and discolor.
- Forced rubbing with hard cloth may cause damage to the liquid crystal display unit.
Remove stains, always using a soft waste cloth.
- If the unit is stored with water droplets and stains sticking to the liquid crystal display unit, a blot may be made and the coating may come off.

When Leaving the Product Turned OFF for a Long Time

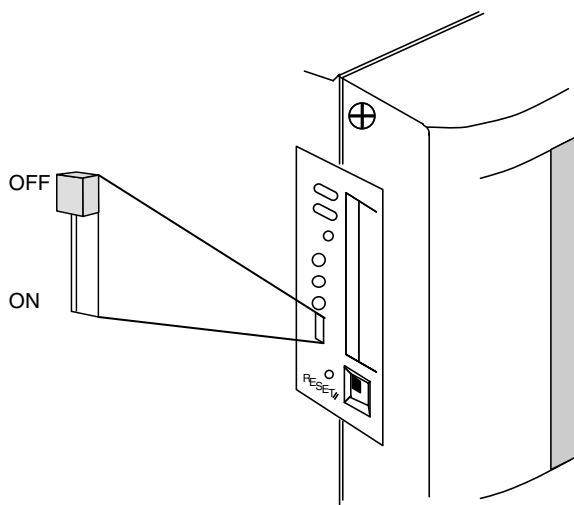
When you leave the intelligent Touch Controller turned OFF for a long time (6 months or longer), turn the switch OFF to maintain the battery.

- The intelligent Touch Controller has a built-in battery for operating the clock in power failure.
The battery mentioned above is for power failure only and it may be completely discharged if no power is provided for a long time.
The capacity is worth about 2 years of in total if no power is supplied.
- To use the intelligent Touch Controller again, turn the switch ON.

[Setting the switch]

As shown in the figure, set the battery switch on the left side of this controller to **OFF** (switch knob upper side) or **ON** (switch knob lower side), using a small blade screwdriver.

Turning this switch OFF does not erase the settings for groups, zones or schedule.



□ is the location of the knob.

Note

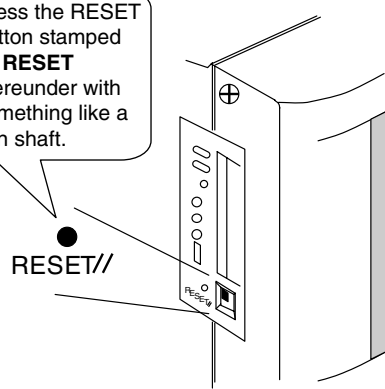
- Do not touch other switches.
- Avoid turning the switch ON and OFF with excessive force; otherwise such operation may lead to parts damage and failure.

⚠ Caution

If electric components in the intelligent Touch Controller are charged with static electricity, it may cause failure.
Be sure to discharge the static electricity accumulated in your body before attempting any operation.
To discharge yourself, touch a grounded metal object (control panel, etc.).

Troubleshooting

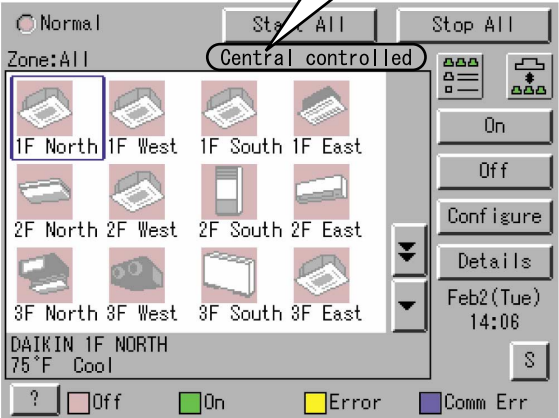
Before Having the Product Serviced

Item	Description and Corrective Action
The display of the intelligent Touch Controller has gone out.	When Backlight Auto OFF is set for Backlight of the intelligent Touch Controller, the light goes out if the screen is left untouched for a certain time. Touch the screen with the pen provided. The display comes back on.
The backlight does not go out when Backlight auto OFF is set.	Backlight Auto OFF is a function to automatically turn the backlight OFF if it is left untouched for a certain time. If the display is Configure / Details, System Settings, etc., the light does not go out automatically.
The intelligent Touch Controller cannot be operated or monitoring is not available.	<p>Press and hold down the RESET button on the left screen of the intelligent Touch controller for 5 seconds. Pressing this switch initialize the intelligent Touch Controller. Pressing this switch does not erase the settings for groups, zones or schedule.</p> <div data-bbox="576 772 768 946"> <p>Press the RESET button stamped as RESET thereunder with something like a thin shaft.</p> </div>  <p>RESET//</p> <p>intelligent Touch Controller</p> <div data-bbox="1070 888 1248 1197"> <p>Note</p> <ul style="list-style-type: none"> • Do not touch other switches. • Avoid turning the switch ON and OFF with excessive force; otherwise such operation may lead to parts damage and failure. </div> <div data-bbox="576 1236 1248 1468"> <p>Caution</p> <p>If electric components in the intelligent Touch Controller are charged with static electricity, it may cause failure. Be sure to discharge the static electricity accumulated in your body before attempting any operation. To discharge yourself, touch a grounded metal object (control panel, etc.).</p> </div>

Before Having the Product Serviced

Item	Description and Corrective Action
On the Monitoring screen, buzzer sounds when an area not allocated for a button for operation is pressed.	The intelligent Touch Controller is designed in such a way that the buzzer sounds when any part of the screen is pressed. It is normal.
The screen flickers at a regular interval.	While the Monitoring screen is shown, the screen is updated every 3 seconds to show the latest status of air conditioners. The screen may look flickering when the update is made. It is normal.
Touching the screen of the intelligent Touch Controller does not change the display soon.	Updating of the display may take some time depending on the communication status with the air conditioners connected. Update is completed in a few seconds.
LCD	There may be found some dots that are never illuminated or always illuminated on a certain part of the LCD of the intelligent Touch Controller. It is normal. The LCD may inherently generate unevenness due to change of temperature, which is normal.
On the Zone Monitoring screen of the intelligent Touch Controller, a filter or element sign was shown for a certain zone. Cleaning the filter or element of air conditioners and resetting the cleaning sign with a remote control does not turn out the filter or element sign.	On the Zone Monitoring screen, the filter or element sign shown is not turned out unless the filter or element signs for all of the air conditioners in the zone are reset. Check for any air conditioner showing cleaning sign apart from the air conditioners cleaned in the zone.
Pressing an operation button on the screen of the intelligent Touch Controller sounds the buzzer but operation is not accepted.	The positions of buttons on the touch panel may be shifted over time. See page 90 and perform touch panel calibration.
The intelligent Touch Controller does not allow setting of Permitted / Inhibited of the remote control.	When Interface for use in BACnet® is connected, Permitted / Inhibited setting of the remote control cannot be made with the intelligent Touch Controller. When double intelligent Touch Controller control is performed, one of the two intelligent Touch Controllers cannot make Permitted / Inhibited setting.
An air conditioner to be connected to the intelligent Touch Controller has been added but the added air conditioner cannot be monitored on the Monitoring screen of the intelligent Touch Controller.	When adding an air conditioner to be connected to the intelligent Touch Controller, trial running of the intelligent Touch Controller, as well as of the air conditioner, is required. *When trial running of the intelligent Touch Controller has not been performed, contact our representative.

Before Having the Product Serviced

Item	Description and Corrective Action
Collective Operation, Start and Stop buttons are not shown on the Monitoring screen of the intelligent Touch Controller and operation of air conditioners is made impossible.	<p>Is the indication System Central controlled on the Monitoring screen, as shown below?</p> <p>This indication is shown in the following cases.</p> <p>When Interface for use in BACnet® is connected to the intelligent Touch Controller, the low order control inhibit setting is available for DMS-IF, Interface for use in BACnet®. The lower order control inhibit is a setting that inhibits operation of air conditioners from the intelligent Touch Controller central management controller and ON / OFF controller and enables commands from DMS-IF, Interface for use in BACnet® only. When this setting is made, System Central controlled indication is shown on the intelligent Touch Controller. When the setting is released, the System Central controlled indication disappears and operation with the intelligent Touch Controller becomes available.</p> <div><div>System Central controlled indication?</div>The screenshot shows the Monitoring screen of an intelligent Touch Controller. At the top, there are buttons for 'Normal', 'Start All', and 'Stop All'. Below these, a status bar indicates 'Zone: All' and 'Central controlled'. The main area displays a grid of air conditioner units: 1F North, 1F West, 1F South, 1F East, 2F North, 2F West, 2F South, 2F East, 3F North, 3F West, 3F South, and 3F East. Each unit has a corresponding icon. On the right side, there are buttons for 'On', 'Off', 'Configure', 'Details', and a date/time display showing 'Feb2(Tue) 14:06'. At the bottom, there is a status bar with a question mark icon and labels for 'Off', 'On', 'Error', and 'Comm Err'.</div>

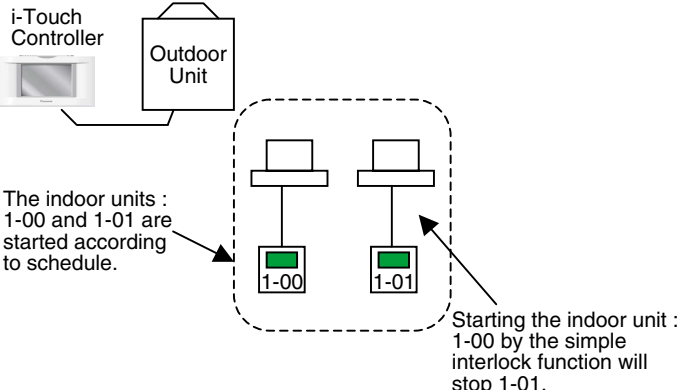
Before Having the Product Serviced

Item	Description and Corrective Action
The air conditioner is supposed to operate, but it is stopped.	<p>The followings are possible causes. Check the followings.</p> <ol style="list-style-type: none"> 1. Is the stop operation performed with the remote control of the air conditioner? 2. When a central unit is connected in addition to this unit, is the stop operation performed with the central unit? 3. Was the power supply for air conditioner interrupted? 4. Is the schedule of stopping the air conditioner registered with the schedule function of the unit?
The air conditioner is supposed to be stopped, but it is operating.	<p>The followings are possible causes. Check the followings.</p> <ol style="list-style-type: none"> 1. Is the start operation performed with the remote control of the air conditioner? 2. When a central unit is connected in addition to this unit, is the start operation performed with the central unit? 3. Is the schedule of starting the air conditioner registered with the schedule function of the unit?
The setpoint or the operation mode of the air conditioner has been changed.	<p>The followings are possible causes. Check the followings.</p> <ol style="list-style-type: none"> 1. Is the setpoint or the operation mode changed with the remote control of the air conditioner? 2. When a central unit is connected in addition to this unit, is the setpoint or the operation mode changed with the central unit? 3. Is the schedule of changing the setpoint or the operation mode registered with the schedule function of the unit? 4. Is Automatic Changeover function of this unit activated? The above function changes the operation mode and setpoint of the air conditioner automatically to maintain an optimum room temperature. (For details, see pages 37-41.)

Before Having the Product Serviced

Item	Description and Corrective Action
<p>Collective Operation, Start and Stop buttons are not shown on the Monitoring screen of the intelligent Touch Controller and operation of air conditioners is made impossible.</p>	<p>Is the indication System Forced Stop on the Monitoring screen, as shown below? This indication is shown in the following cases.</p> <p>When forced stop command is input to central management devices (central remote controller, ON / OFF controller, etc.) including the intelligent Touch Controller, the indication appears. Inputting forced command stops all air conditioners connected to the central management device. While the command is input, neither the central management devices nor remote controller can operate air conditioners.</p> <p>When the forced stop input command is canceled, the System Forced Stop disappears, which allows control with the intelligent Touch Controller.</p> <div data-bbox="628 720 1181 1238"> <p>System Forced Stop indication?</p> </div>

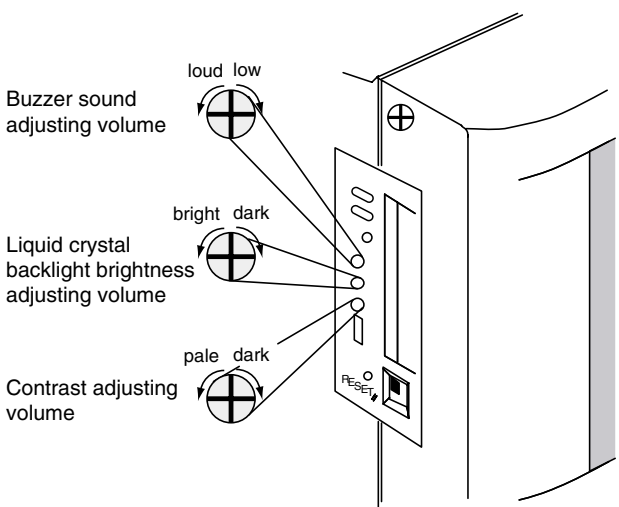
Before Having the Product Serviced

Item	Description and Corrective Action
<p>The air conditioning unit does not operate.</p>	<p>The air conditioning unit might be stopped by the simple interlock control function. Check the settings of the simple interlock function.</p> <p>In the case described below, the air conditioning unit : 1-01 will not operate. Once both units : 1-00 and 1-01 are started, then the unit : 1-01 will be stopped by the simple interlock control function.</p>  <p>The indoor units : 1-00 and 1-01 are started according to schedule.</p> <p>Starting the indoor unit : 1-00 by the simple interlock function will stop 1-01.</p> <p>In this case, even though the unit : 1-01 has been scheduled to be started, the simple interlock control function stops it. → It seems that the unit has not been started.</p>
<p>Setting to Auto (Operation Mode)</p>	<p>With the software version Ver 6.01.00 or later, when the Auto mode in the indoor unit is recognized as either Auto (Cool) or Auto (Heat), the intelligent Touch Controller will automatically override it to Cool or Heat mode immediately.</p> <ul style="list-style-type: none"> • When you switch to Auto mode in the indoor unit from Cool or Dry mode, it will become Auto (Cool) mode. The intelligent Touch Controller will override it to Cool mode automatically. • When you switch to Auto mode in the indoor unit from Heat mode, it will become Auto (Heat) mode. The intelligent Touch Controller will override it to Heat mode automatically. • When you switch to Auto mode in the indoor unit from Fan mode, it will become either Auto (Cool) or Auto (Heat) mode considering the room temperature and Setpoint. The intelligent Touch Controller will override it to either Cool or Heat mode automatically. • You may see Auto (Cool) or Auto (Heat) mode on the intelligent Touch Controller for a moment.

Emergency Procedure for intelligent Touch Controller Failure

Item	Description and Corrective Action
Failure occurs in the intelligent Touch Controller while the remote control is disabled with the intelligent Touch Controller and start / stop setting, etc., of air conditioners cannot be made.	<p>As a temporary measure before our service personnel investigates into the problem, turn OFF the power supply breaker of the intelligent Touch Controller. This allows all kinds of operation with the remote control of air conditioners in about 5 minutes.</p> <p>When there is any other central management device, turn the power OFF for all of the devices.</p>

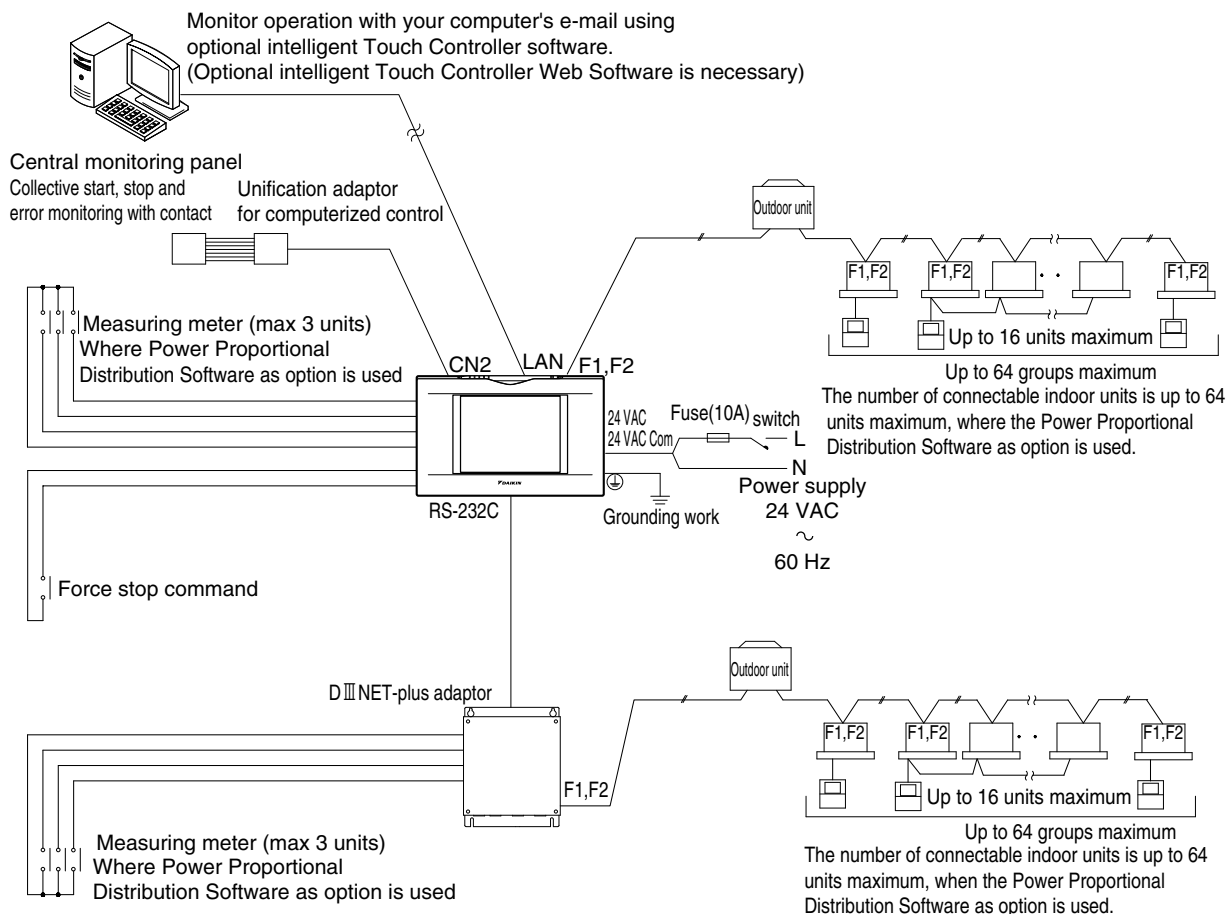
When it is desired to adjust screen brightness, contrast and buzzer sound level

Item	Description and Corrective Action
Screen brightness, contrast and buzzer sound adjustment is desired.	<p>The screen brightness, contrast and buzzer sound level are factory adjusted properly before shipment, but in case where the screen is hard to see and the buzzer is hard to hear, for example, according to the actual installation condition and usage, the screen brightness, contrast and buzzer sound level can be adjusted by the following method.</p> <p>[Adjustment Method]</p> <p>Adjust the volume (variable resistor) on the left side of the intelligent Touch Controller with a Phillips head screwdriver while checking each level.</p> <p>The buzzer sound, screen brightness and screen contrast volume switches are located in sequence from the top as shown below.</p> <div><p>The diagram shows a side view of the intelligent Touch Controller. On the left side, there are three vertical sliders. The top slider is labeled 'Buzzer sound adjusting volume' with a circular arrow and 'loud low' text. The middle slider is labeled 'Liquid crystal backlight brightness adjusting volume' with a circular arrow and 'bright dark' text. The bottom slider is labeled 'Contrast adjusting volume' with a circular arrow and 'pale dark' text. Arrows point from these labels to their respective sliders. A '+' sign is visible on the top of the controller's housing.</p></div> <p>Note</p> <ul style="list-style-type: none">• Since each volume is a precision component part, do not turn the volume switch with excessive force. It should be noted that a fault is caused to the switch.• Do not touch other switches. <p>The buzzer volume and liquid crystal backlight brightness can be adjusted with the volume switch as described in the diagram above, but adjustment is usually not necessary.</p> <div><p>Caution</p><p>If electric components in the intelligent Touch Controller are charged with static electricity, it may cause failure. Be sure to discharge the static electricity accumulated in your body before attempting any operation. To discharge yourself, touch a ground metal object such as a control panel.</p></div>

Options

Connecting Unification adaptor allows using the contact for normal and abnormal operation signal and collective start/stop with a contact. For details, contact the vendor you purchased the product from.

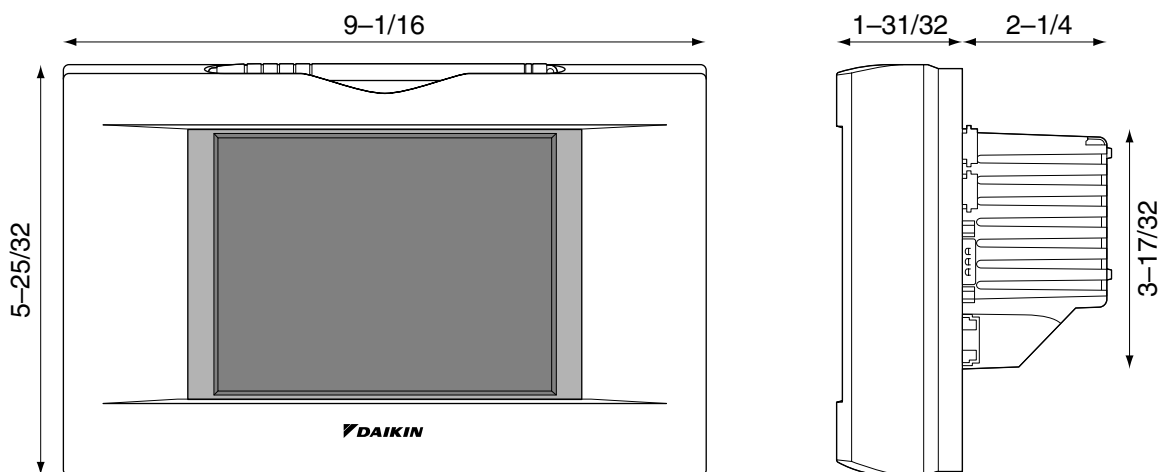
Also, by connecting DⅢ NET-plus adaptor, it is possible to operate and monitor the indoor units of 64 groups (intelligent Touch Controller plus DⅢ NET – plus adaptor–128 groups in total) additionally.



Specification

Power	AC24V 50/60Hz
Power consumption	10 W maximum
Force stop input	Normally-open contact Contact current approximately 10 mA
Size	$9\text{--}1/16 \times 5\text{--}25/32 \times 4\text{--}7/32$ (W × H × D)
Mass (Weight)	2 lb 10 oz

Dimensions



The specification and appearance of the product may be modified for improvement without prior notice.

After-sales Service

- To have the product repaired, prepare the following information

- Model
- Date of installation
- Circumstances - as detailed as possible
- Address, name, phone number

- **Transfer**

Transfer requires professional technique. Be sure to contact the vendor you purchased the product from or service station.

The customer will be charged for the expense required for transfer work.

- **Repair after the guarantee period for free repair**

Contact the vendor. When the functions can be maintained by repair, the product will be repaired according to the request and the customer will be charged.

(Guarantee period ... one year from the date of installation)

- **Questions**

For after-sales service, contact the vendor you purchased the product from or the nearest service station.

DAIKIN AC (AMERICAS), INC.

1645 Wallace Drive, Suite 110
Carrollton, TX 75006

info@daikinac.com
www.daikinac.com

DAIKIN INDUSTRIES, LTD.

Head office:
Umeda Center Bldg., 2-4-12, Nakazaki-Nishi,
Kita-ku, Osaka, 530-8323 Japan

Tokyo office:
JR Shinagawa East Bldg., 2-18-1, Konan,
Minato-ku, Tokyo, 108-0075 Japan