



Operation Manual

intelligent Touch Controller



Model
DCS601A51

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.
Store this manual close at hand so that it can be referred to as required.

Before use

Safety Instructions	
Be sure to follow the instructions below	1
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Before use

Operation

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Operation

Maintenance

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Maintenance

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For Your Information

Read the manual carefully in advance for correct use

Instructions given here are classified into the following two categories.
Instructions in both categories are important for safety and must be duly followed.

Warning

Failure to follow the instruction may lead to serious consequences including death or serious injury.

Caution

Failure to follow the instruction may cause injury or material damage, which, in some cases, leads to serious consequences.

The symbol given in the manual shows the following:



Do not attempt to do things described in the instruction.



Be sure to follow the instruction.

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.

Warning Notes on use for users

When any abnormality (such as burnt smell) is generated, turn the power OFF and contact the dealer you purchased the product from.

Continuing to operate with the abnormality left unattended may cause failure, electric shock or fire.



For transferring or reinstallation, contact the dealer you purchased the product from.

Failure to install properly may cause water leak, electric shock or fire.



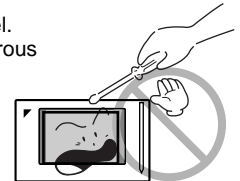
For remodeling or repair, contact the dealer you purchased the product from.

Failure to remodel or repair properly may cause water leak, electric shock or fire.



Do not touch the inside of the controller.

Do not remove the front panel. Touching the inside is dangerous and may cause failure. For inspection and adjustment of the inside of the controller, contact the dealer you purchased the product from.



⚠ Caution Notes on use for users

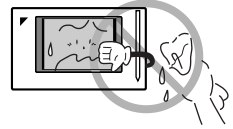
Be sure to operate with the touch pen provided.

Failure to follow the instruction may lead to damage or failure.



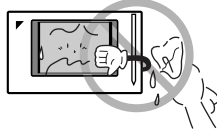
Do not wash the controller with water.

Washing may lead to electric shock.



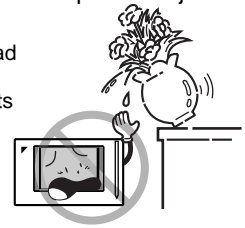
To clean, be sure to stop operation and turn the power OFF.

Failure to follow the instruction may lead to electric shock or injury.



Do not install the controller in a place subject to water.

Water in the device may lead to electrical leak and failure in the electronic components inside.



Do not install in a place subject to flammable gas.

Leakage of gas resulting in accumulation around the unit may lead to ignition.



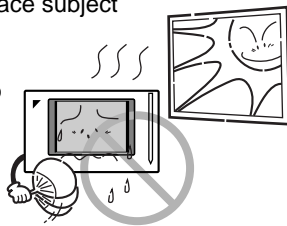
Be sure to provide grounding.

Do not connect the grounding wire to any gas pipe, water pipe, lightning rod or telephone grounding. Inappropriate grounding may lead to electric shock.



Do not install in a place subject to direct sunlight.

Failure to follow the instruction may lead to discoloring of the LCD that hinders proper display.



Do not wipe the surface of the controller touch panel with benzene, thinner or chemically-treated dust cloth.

Failure to follow the instruction may lead to discoloring or peeling of the paint. Any soiling must be wiped off with a piece of cloth soaked in a diluted neutral detergent and wrung sufficiently. Wipe again with a dry piece of cloth.



System Overview

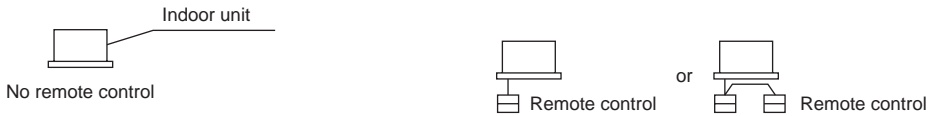
This intelligent Touch Controller is capable of controlling/monitoring up to 64 groups of indoor units (hereafter "groups").

The main functions of the intelligent Touch Controller include:

1. Collective starting/stopping of operation of the indoor units connected to the intelligent Touch Controller.
2. Starting/stopping of operation, temperature setting, 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. Compulsory contact stop input from the central monitoring panel (non-voltage, normally-open contact).
7. Power distribution of the air conditioners. (With the optional DCS002A1)
8. Demand control function of the air conditioners. (With the optional DCS001A1)

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.

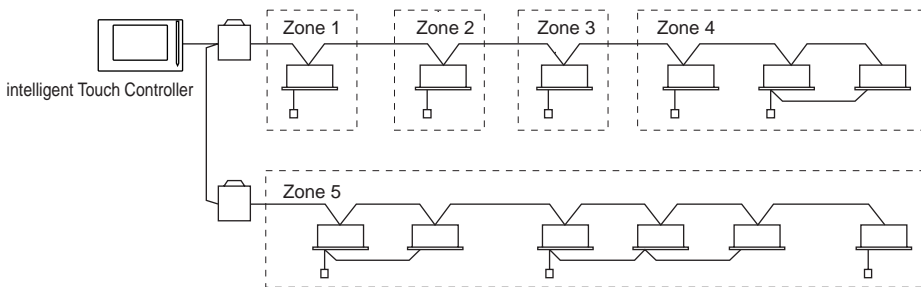


- ③ Up to 16 indoor units controlled with one or two remote controls.



Zone control with the intelligent Touch Controller

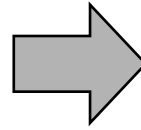
Zone control, which allows collective settings for more than one group, is available with the intelligent Touch Controller, which facilitates the setting operations.



- One setting makes the same setting for 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.

Operation Menu

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

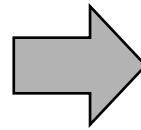


See pages

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Air Conditioner Detail Setup

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

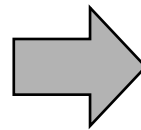


See pages

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Monitoring of Various Information on Indoor Units

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



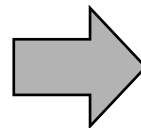
See pages

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Diversified Operation Modes

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

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



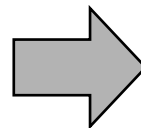
See page

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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 zone, which can be registered, to allow the following settings by the zone. This eliminates the need for repeating the same setting operation for each group. Function to allow collective setting for all groups is also available.

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



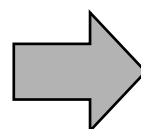
See pages

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Detailed Scheduled Operation Control

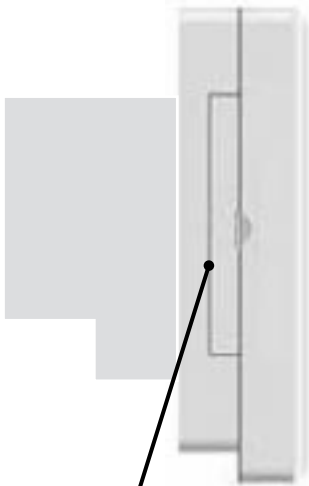
The intelligent Touch Controller allows detailed scheduled operation by the group, by the zone or collectively. Up to 8 options for annual schedule can be set. Each schedule can include four types of plans: for Weekdays, Holidays, Special days 1 and Special days 2. Each of the plans allows setting of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



See pages

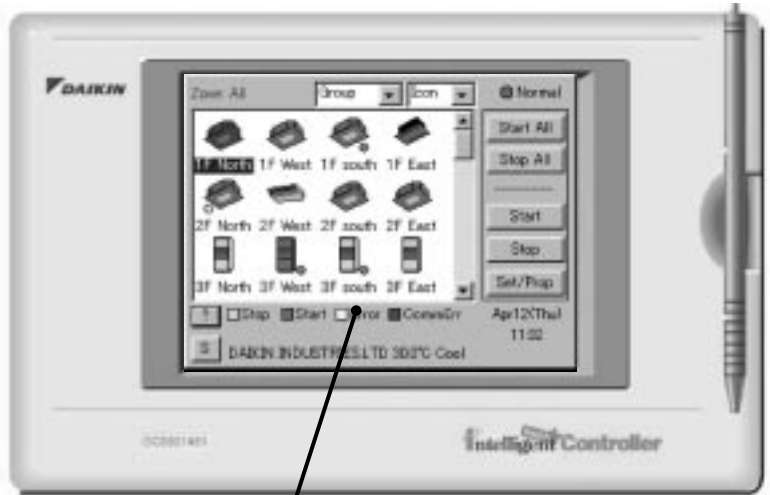
27 to 28

Part Names and Functions



PCMCIA Card Slot

Used when using the optional power distribution (DCS002A1) or demand function (DCS001A1), or updating the intelligent Touch Controller software to a newer version.



Color LCD with Touch Panel

Provides a display for monitoring and operation.

Be sure to use the touch pen provided for operation.

(The display shows the Monitoring and System Setup screens.)

Note

- Be sure to use the touch pen for operation of the touch panel of the intelligent Touch Controller. Operating with an object other than the touch pen provided may cause damage and failure.



Touch Pen

Use the touch pen for operation. Be sure to use the touch pen for operation. Use caution not to lose the touch pen.
 (When the pen is lost, contact the dealer you purchased the product from.)

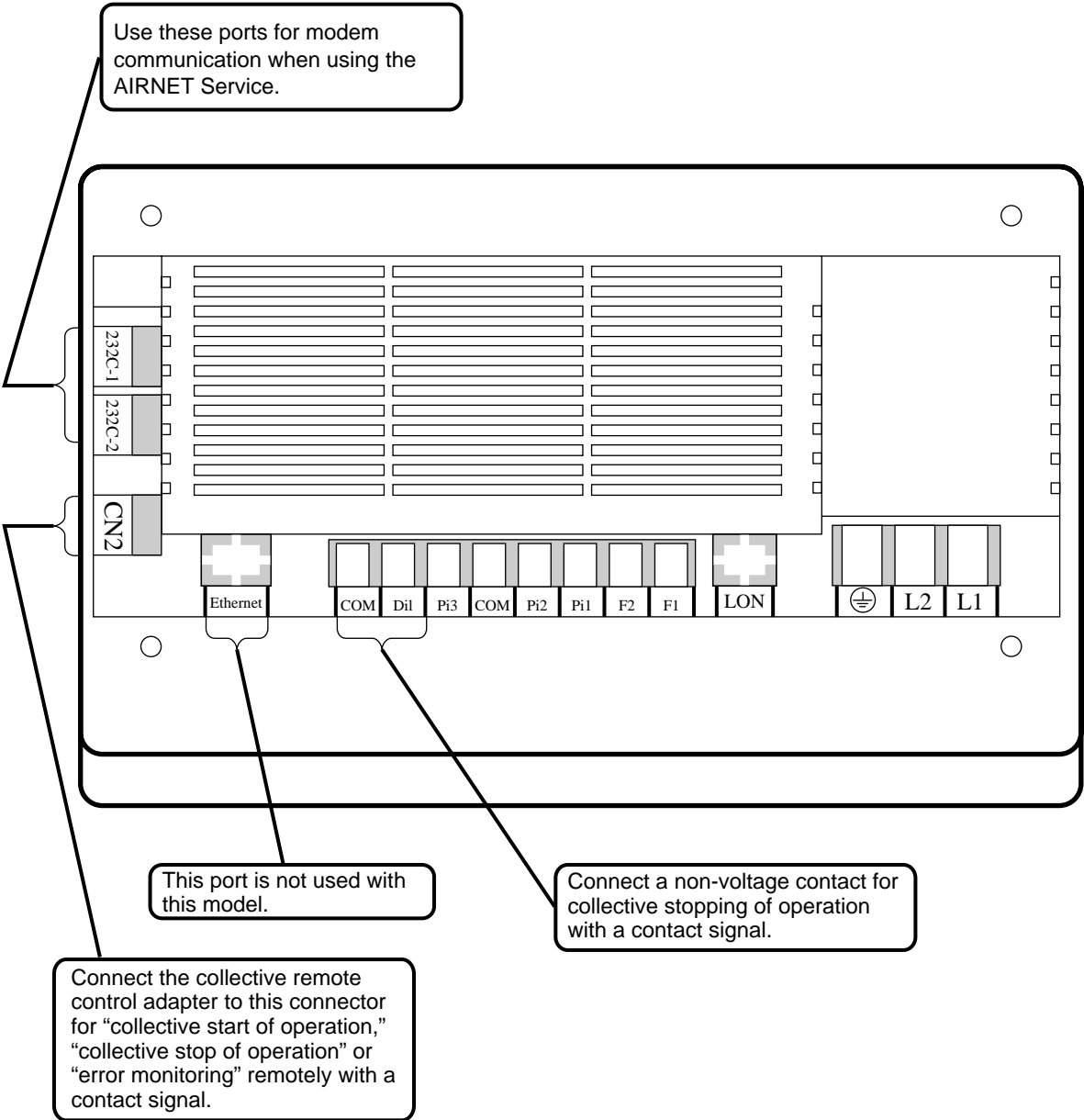


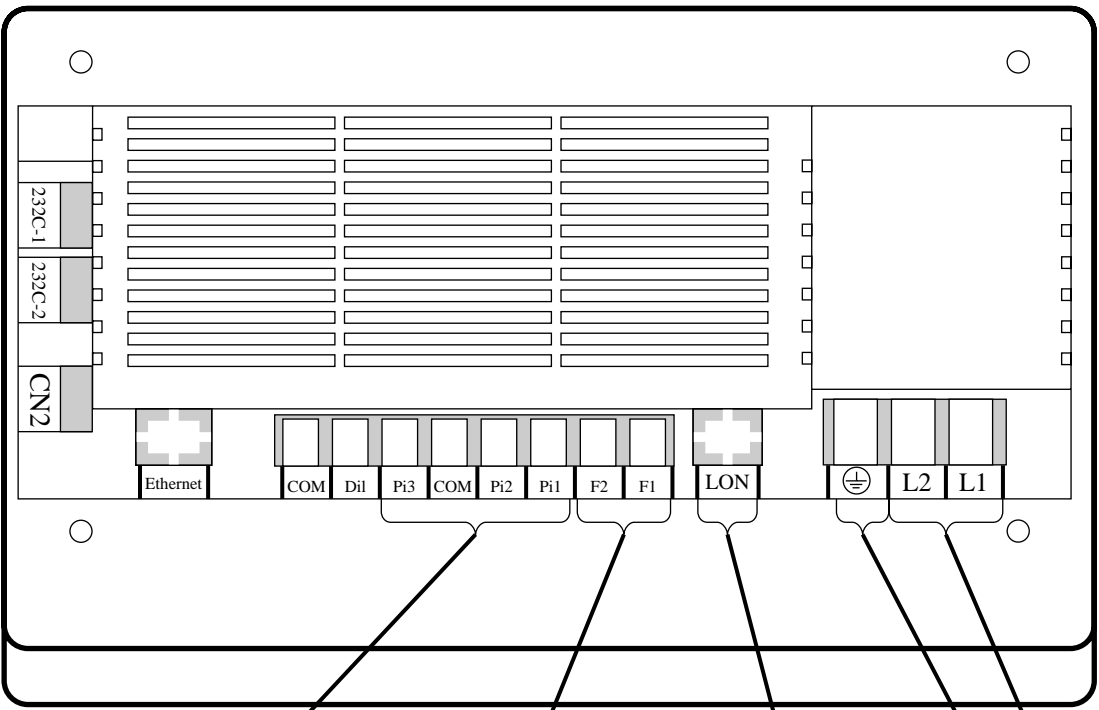
Maintenance Door

Generally not used. Close the door for general use. Use the door when adjusting the contrast of the LCD or luminance of the backlight.

Before use

Terminals on the Back of intelligent Touch Controller





Connect a watt-hour meter when using the optional power distribution function software (DCS002A1).

Terminals for communication with air conditioning system.

This port is not used with this model.

Terminal for the grounding wire.

Terminals for the power supply. Connect single-phase power of 100 to 240 VAC, 50/60 Hz.

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"

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 Setup Mode.

Target of Automatic Control

Displayed when there is any air conditioner with the registration of scheduled or demand operation in the zone or in the group.

Monitoring Screen Legend

Pressing the "?" button shows more detailed legend.

Description of Zone/Group

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

Button to Switch to the System Setup Mode

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

System Status Display Area

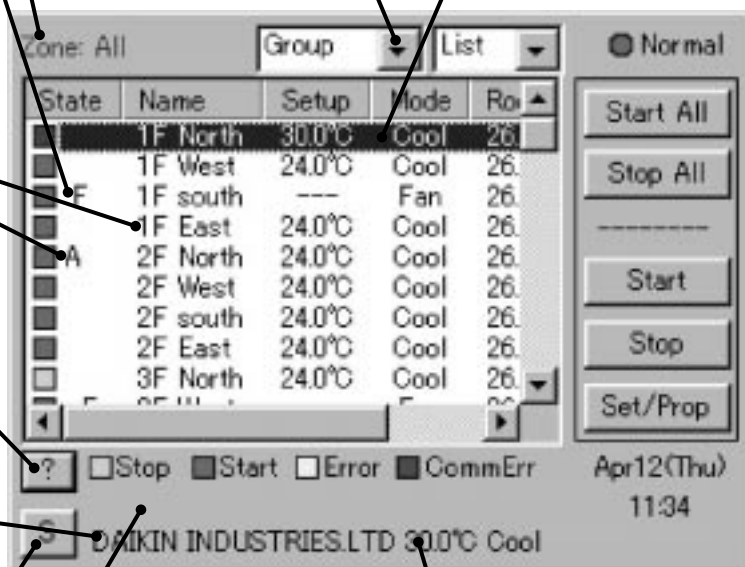
Area for displaying the system status (compulsory stop, etc.).

Display Mode Selection

Select between Zone and Group.

Zone/Group Currently Displayed

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



Information on Zone/Group Currently Displayed

Generally, the temperature setting and the operation mode are displayed. If any error occurs in the air conditioner, the error code is displayed.

Display Type Selection

Select the type between Icon and List.

(The example below shows the List Display. For Icon Display, see pages 11,12.)

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

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.

Group/Zone Start Button

Button to start operation of the group/zone selected.

Group/Zone Stop Button

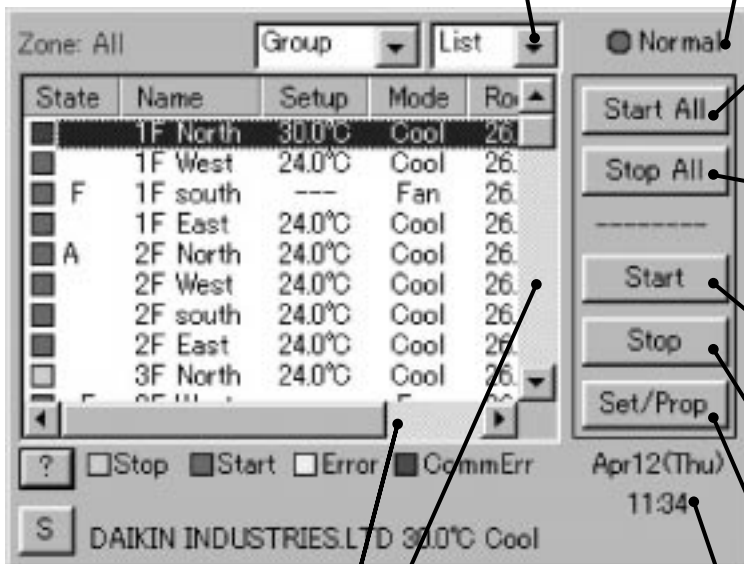
Button to stop operation of the group/zone selected.

Group/Zone Set/Prop Button

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

Current Time Display

Shows the current date and time.



Scroll Bars

Use the bars to monitor any area of the group/zone list not currently shown.

(Sliding the bars up/down and left/right changes the range monitored.)

Icon

Contents of the List Currently Displayed

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

Zone/Group Name

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

Target of Automatic Control

Displayed when there is any air conditioner with the registration of scheduled or demand operation in the zone or in the group.

Monitoring Screen Legend

Pressing the "?" button shows more detailed legend.

Description of Zone/Group

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

Button to Switch to the System Setup Mode

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

System Status Display Area

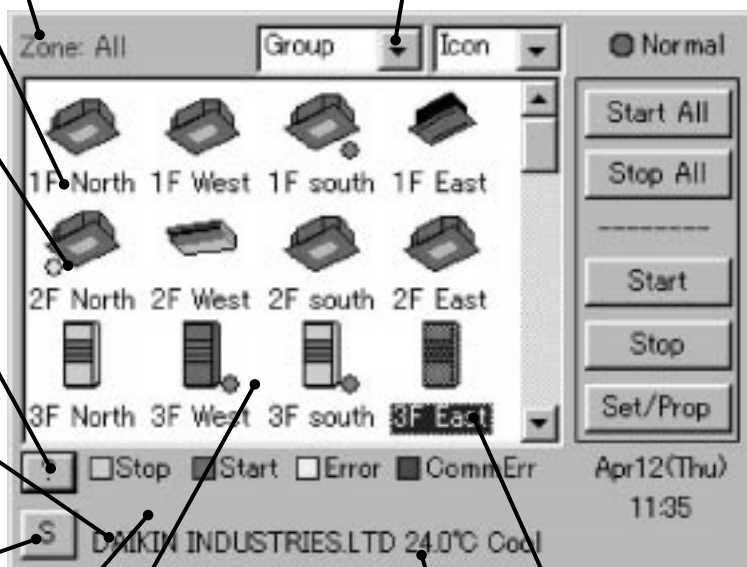
Area for displaying the system status (compulsory stop, etc.).

Filter/Element Sign

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

Display Mode Selection

Select between Zone and Group.



Information on Zone/Group Currently Displayed

Generally, the temperature setting and the operation mode are displayed. If any error occurs in the air conditioner, the error code is displayed.

Zone/Group Currently Displayed

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

Display Type Selection

Select the type between Icon and List.

(The example below shows the Icon Display. For List Display, see pages 9, 10)

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

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.

Group/Zone Start Button

Button to start operation of the group/zone selected.

Group/Zone Stop Button

Button to stop operation of the group/zone selected.

Group/Zone Set/Prop Button

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

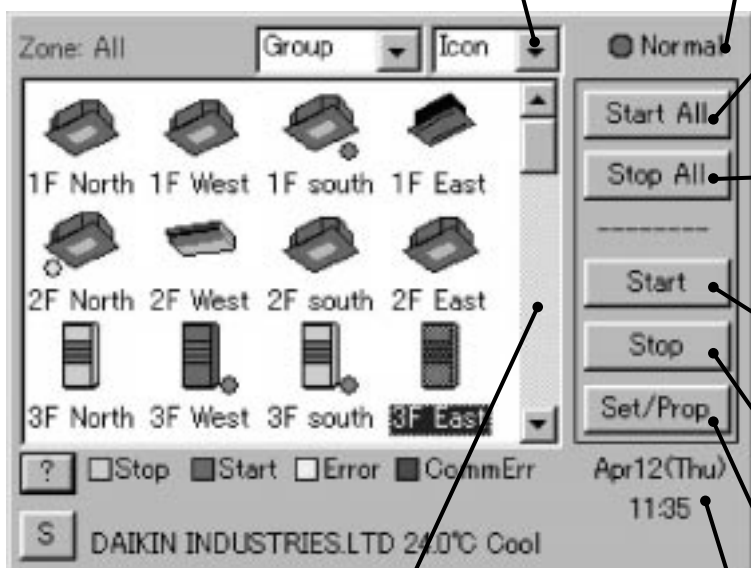
Current Time Display

Shows the current date and time.

Scroll Bars









Use the bars to monitor any area of the group/zone list not currently shown.

(Sliding the bars up/down and left/right changes the range monitored.)






Quick Reference








Air Conditioner Operation

To collectively start/stop the operation of all devices connected to the intelligent Touch Controller	→	See page  14
To start/stop the operation of devices by group	→	See page  15
To start/stop the operation of devices by zone	→	See page  16
To change the operation mode	→	See page  17
To change the temperature setting	→	See page  18
To reset the filter or element sign	→	See page  19
To change the direction or fan speed	→	See page  20
To change the range of operation allowed with remote control	→	See page  21

Air Conditioner Operation Monitoring

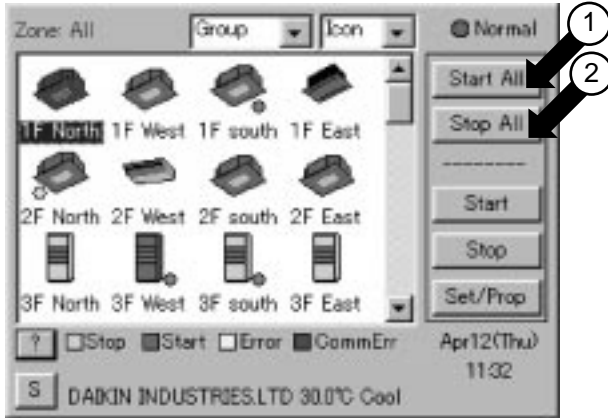
To monitor by zone or by group	→	See page  22
To monitor detailed information	→	See pages  23 to  24

System Setup Menu

To change the name of a group	→	See page  26
To change the zone setup	→	See page  26
To change the schedule setup	→	See pages  27 to  28
To calibrate the touch panel	→	See page  29
To review the history of errors	→	See page  29
To adjust the contrast of the screen	→	See page  49

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.

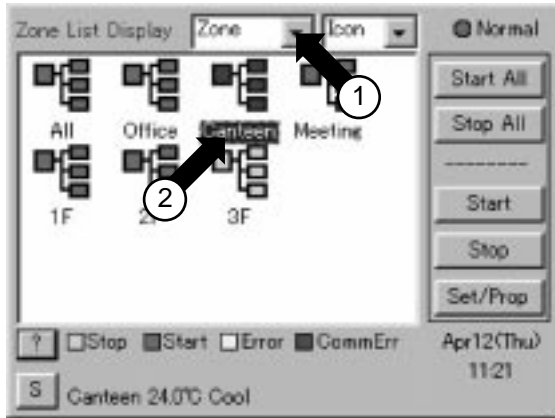
On the Monitoring screen, operation is allowed with either Zone or Group as the display mode and with either Icon or List as the display type. In the example on the left, the display mode is Group in the collective mode and the display type is Icon.

[Procedure]

1. On Screen 1 Monitoring, press the Start All ① or Stop All ② button.
2. Screen 2 Confirm appears. Press the OK ③ button.
(To exit without activating collective start or stop, press the Cancel button.)

Starting/Stopping Operation by the Group

Screen 1 Monitoring



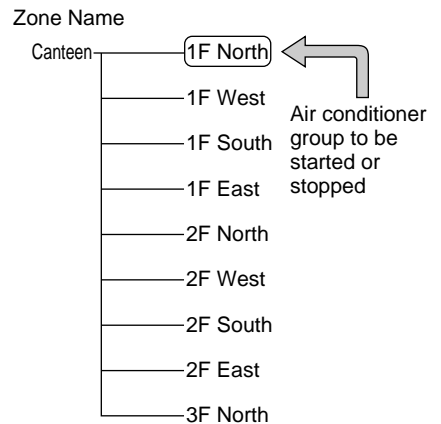
Screen 2 Monitoring (Group)



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.

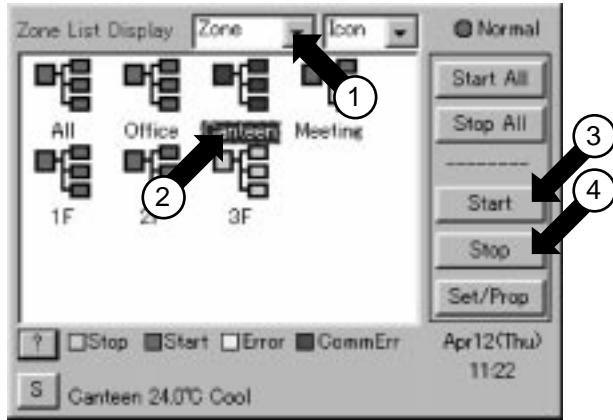


[Procedure]

1. On Screen 1 Monitoring, select a zone from the pull-down menu 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 pull-down menu ③.
Screen 2 Monitoring (Group) appears.
4. Select a group to be started or stopped as in ③ and press the Start ④ or Stop ⑤ button.

Starting/Stopping Operation by the Zone

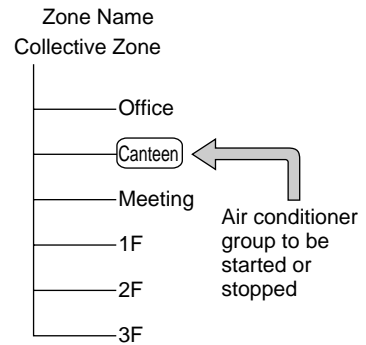
Screen 1 Monitoring



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.

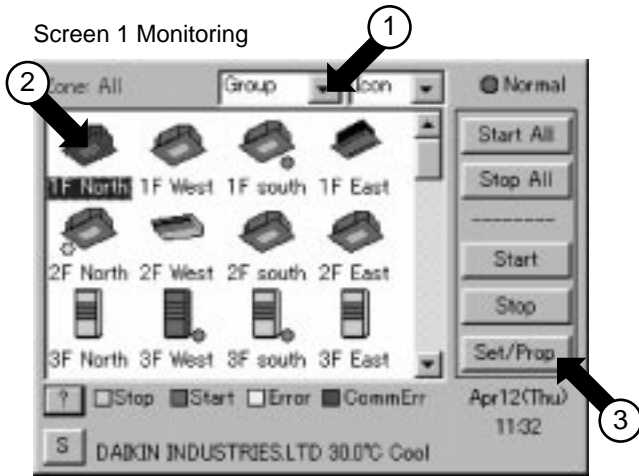


[Procedure]

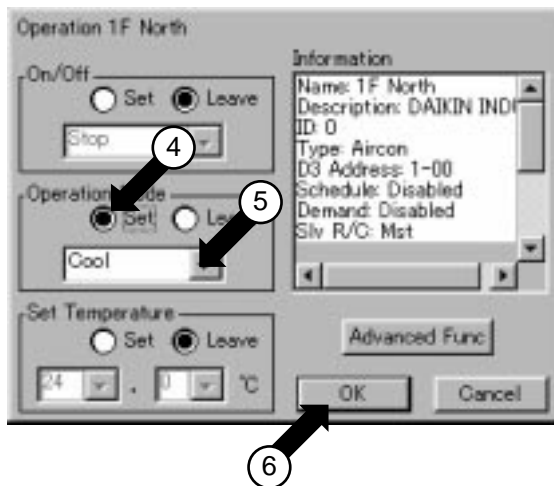
1. On Screen 1 Monitoring, select a zone from the pull-down menu ①.
2. Select the zone of which the operation is to be started/stopped as shown in ②.
3. Press the Start ③ or Stop ④ button.

Switching the Operation Mode

Screen 1 Monitoring



Screen 2 Operation



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 pull-down menu ①.
2. Select with ② a zone or a group of which the operation mode is to be switched.
3. Press the Set/Prop button ③. Screen 2 Operation appears.
4. Select Set for the Operation Mode ④. Select the operation mode to be set from the pull down menu ⑤.

(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 ⑥.

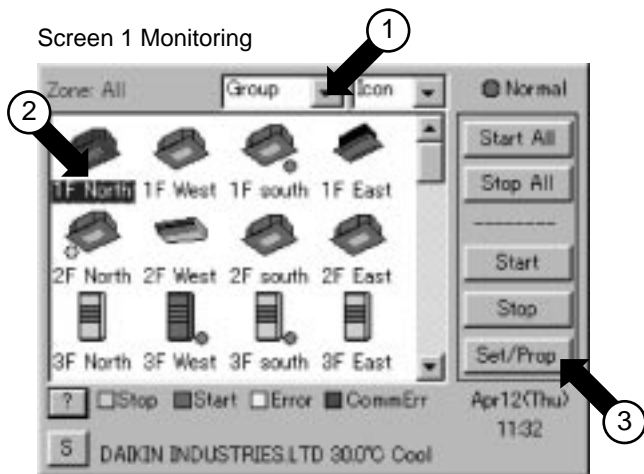
(To cancel the setting, press the Cancel button.)

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

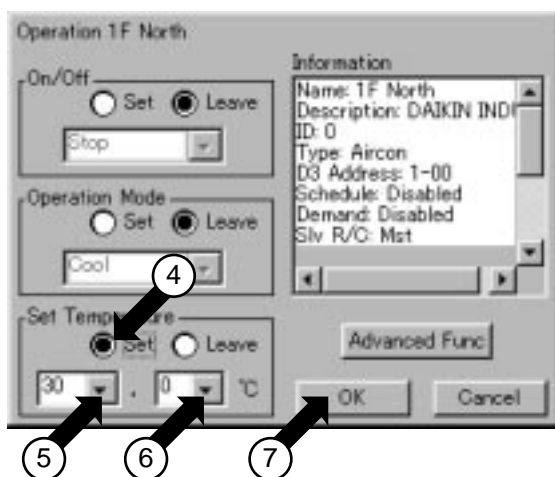
Zone name	Group name	Operation modes available
Canteen	1F North	"Cool" "Air"
	1F West	"Cool" "Heat" "Auto" "Air"

Changing the Temperature Setting

Screen 1 Monitoring



Screen 2 Operation



Change the temperature setting of air conditioners.

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

The temperature setting can be switched by zone or by group.

Selecting a zone and changing the temperature setting changes the setting of the air conditioner groups in Cool, Heat, Auto or Temp operation in the zone.

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

(If all of the air conditioners in the group selected are in Fan operation, temperature setting cannot be changed.)

[Procedure]

1. On Screen 1 Monitoring, select a zone or a group from the pull-down menu ①.
2. Select a zone or a group of which the temperature setting is to be changed ②.
3. Press the Set/Prop button ③.
Screen 2 Operation appears.
4. Select Set for the Set Point ④. Set the integer part of the setting in ⑤ and the decimal part in ⑥.
(On the menu, temperature settings available for air conditioners in the zone are displayed if the setting is to be made by the zone. See the example below.)
5. Press the OK button ⑦.
(To cancel the setting, press the Cancel button.)

Ex.: For the following zone setting, the temperature settings available are between 20 and 30 inclusive.

Zone name	Group name	Range of temperature settings available (see Note)
Canteen	1F North	25 to 30
	1F West	20 to 25

When the temperature setting is 30, the actual temperature settings for air conditioners are as shown below:

Group name	Temperature setting
1F North	30
1F West	25

Note: Range of temperature settings available is the range specified in accordance with the following.

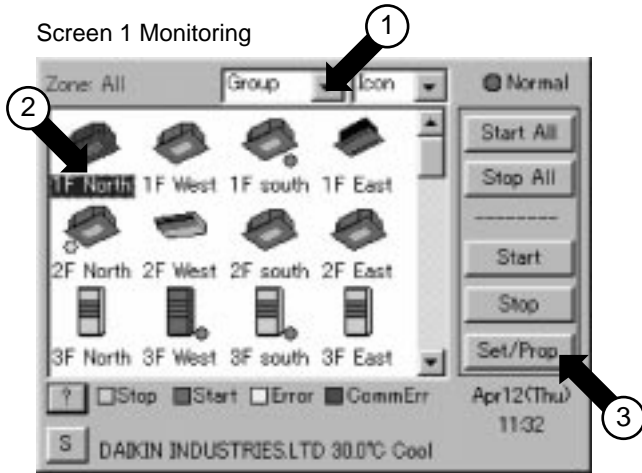
Range of temperature setting inherent to the air conditioner main unit.

Range of temperature as a result of the restriction by the temperature setting limit.

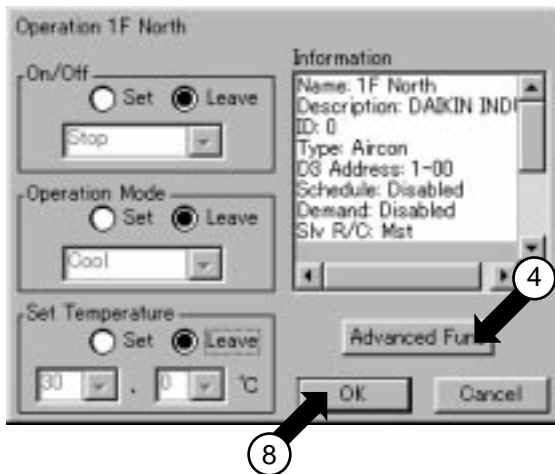
(See page 34)

Resetting the Filter/Element Sign

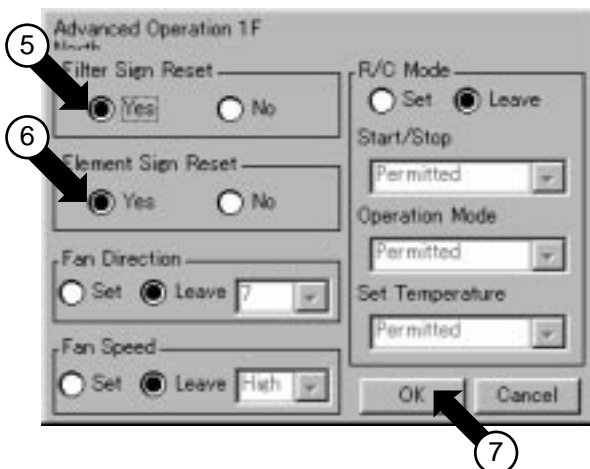
Screen 1 Monitoring



Screen 2 Operation



Screen 3 Advanced Operation



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.

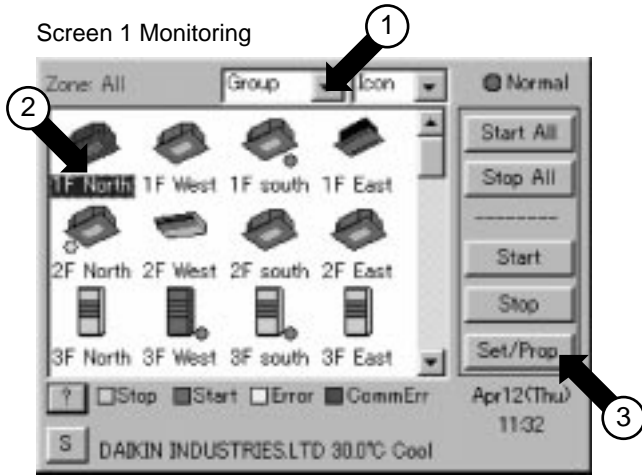
The filter or element sign can be reset by zone or by group.

[Procedure]

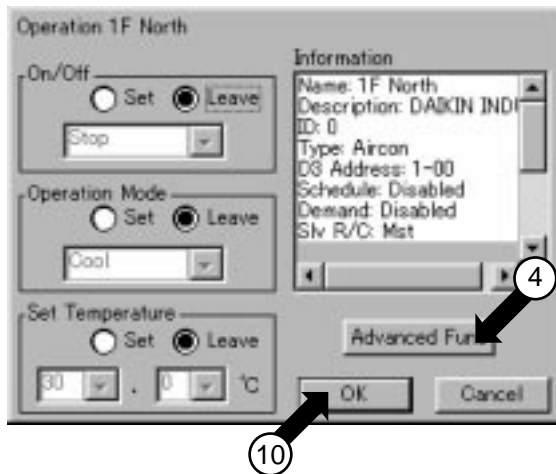
1. On Screen 1 Monitoring, select a zone or a group from the pull-down menu ①.
2. Select a zone or a group of which the filter or element sign is to be reset ②.
3. Press the Set/Prop button ③. Screen 2 Operation appears.
4. Press the Advanced Func button ④. Screen 3 Advance Function appears.
5. To reset the filter sign, select Yes for Filter Sign Reset ⑤.
To reset the element sign, select Yes for Element Sign Reset ⑥.
Then press the OK button ⑦.
(To cancel the setting, press the Cancel button. Screen 2 Operation reappears.)
6. Then press the OK button ⑧ on Screen 2 Operation.
(To cancel the setting, press the Cancel button.)

Changing the Direction/Fan Speed

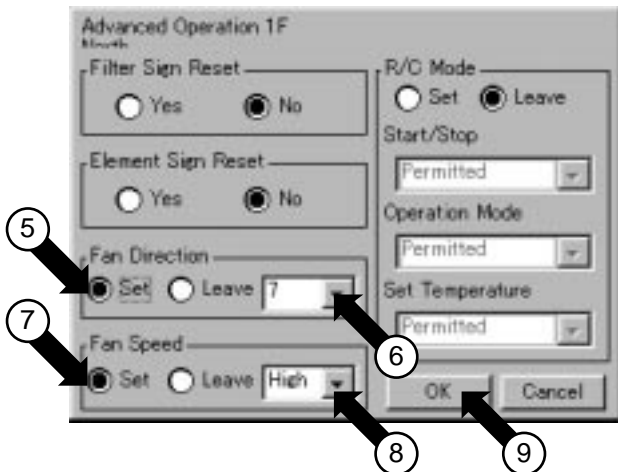
Screen 1 Monitoring



Screen 2 Operation



Screen 3 Advanced Operation



Change the fan direction or volume of air conditioners.

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

The fan 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 pull-down menu ①.
2. Select a zone or a group of which the fan direction or volume is to be reset ②.
3. Press the Set/Prop button ③. Screen 2 Operation appears.
4. Press the Advanced Func button ④. Screen 3 Advance Function appears.
5. To change the fan direction, select Set for Wind Direction 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 wind direction sign on the remote control after operation.)

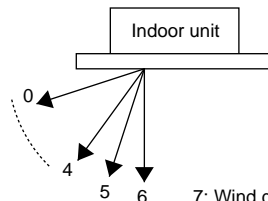
To change the wind volume, select Set for Wind Volume ⑦. Select between High and Low with the pull-down menu ⑧.

Then press the OK button ⑨.

(To cancel the setting, press the Cancel button. Screen 2 Operation reappears.)

6. Then press the OK button ⑩ on Screen 2 Operation. (To cancel the setting, press the Cancel button.)

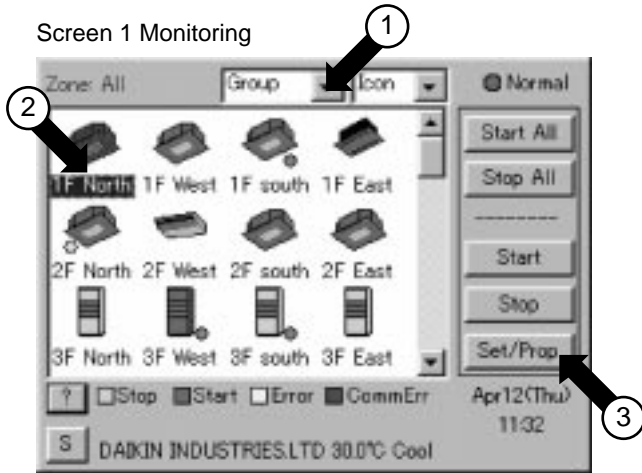
Note: Guidelines for wind direction value and actual direction



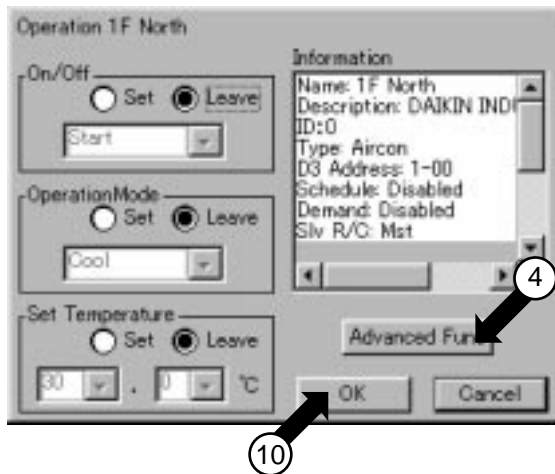
7: Wind direction auto swing

Changing the Range of Operation Allowed with Remote Control

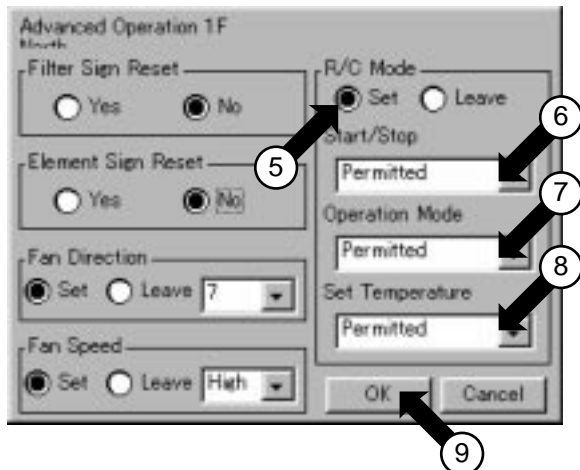
Screen 1 Monitoring



Screen 2 Operation



Screen 3 Advanced Operation



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 the pull-down menu 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. Press the Set/Prop button ③. Screen 2 Operation appears.
4. Press the Advanced Func button ④. Screen 3 Advance Function appears.
5. Press Set for R/C Mode ⑤. Then make setting with the pull-down menus ⑥ - ⑧. There are three settings as shown below:
 - ⑥ Start/Stop
"Prohibited"
"Stop Only"
"Permitted"
 - ⑦ Operation Mode
"Permitted or Prohibited"
 - ⑧ Set Point
Permitted or Prohibited

Press the OK button ⑨ after setting ⑥ - ⑧.

(To cancel the setting, press the Cancel button.)
Screen 2 Operation reappears.

6. Then press the OK button ⑩ on Screen 2 Operation.
(To cancel the setting, press the Cancel button.)

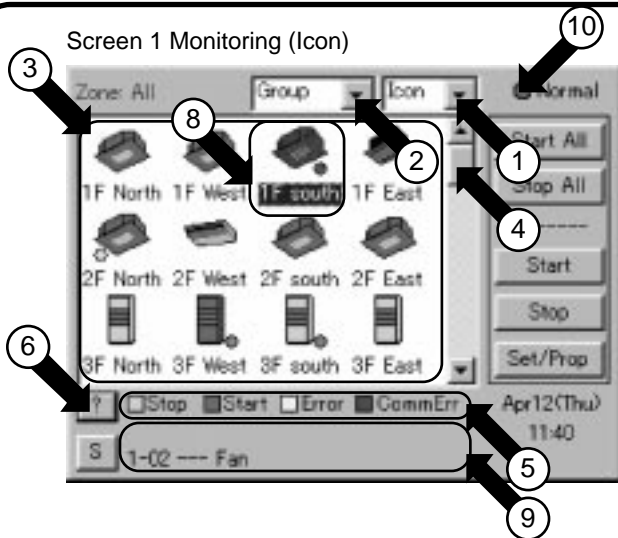
[Details of Setting]

Item	Setting	Meaning
Start/Stop	Prohibited	The remote control cannot start or stop operation.
	Stop 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.
Set Point	Permitted	The remote control can change the temperature setting.
	Prohibited	The remote control cannot change the temperature setting.

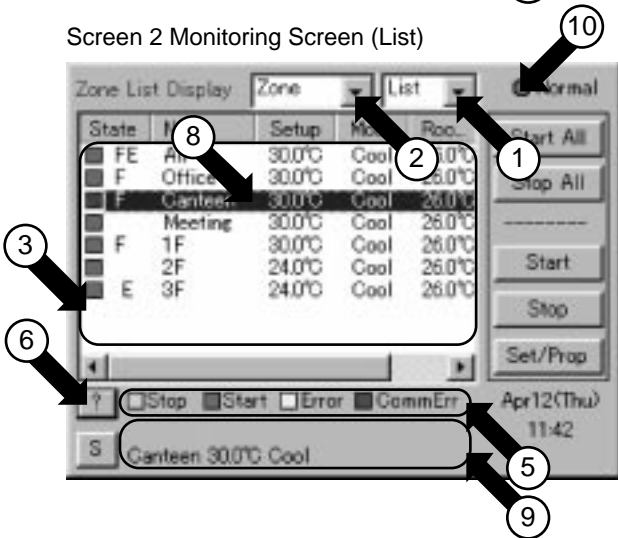
Monitoring the Operation of Air Conditioner

To Monitor the Operation by the Zone or Group

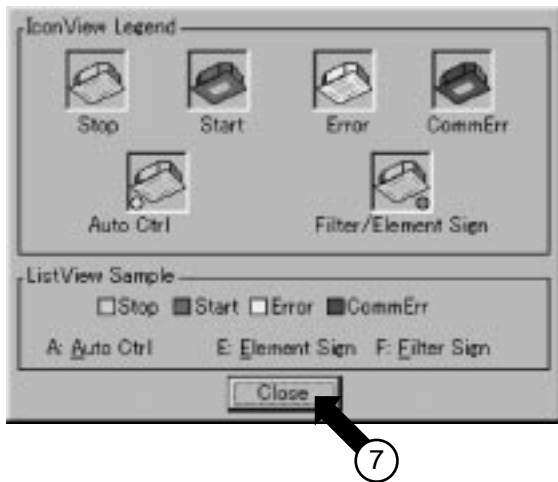
Screen 1 Monitoring (Icon)



Screen 2 Monitoring Screen (List)



Screen 3 Legend



To monitor by the zone or by group

The display type of the operation monitor can be selected between Icon and List.
To select, use the pull-down menu ① to choose either Icon or List.

Monitoring can be selected between by Zone and by Group.
To select, use the pull-down menu ② to choose either Zone or Group.

The example on the left shows the following:
(For Screen 1, Display type: Icon; Monitoring by: Group)
(For Screen 2, Display type: List; Monitoring by: Zone)

[Display on the Screen]

Display area ③ allows monitoring the start/stop status of the zone or group, whether any error has occurred, whether automatic control is set and the status of the filter/element sign.

Moving the scroll bar ④ up and down changes the area that can be viewed.

(When the number of zones or groups registered is small enough to be covered by the area viewed at one time, no scroll bar is shown. (Ex.: Screen 2))

The display ⑤ shows a legend.
For more detailed legend, press the "?" button ⑥. Screen 3 Legend appears. To go back to the previous view, press the Close button ⑦.

The highlighted display ⑧ shows the zone or group currently selected. Touching the screen allows selecting another zone or group.

Display ⑨ shows the settings for the zone or group selected with ⑧. The settings include the following (from left):

- Zone or group name
- Temperature setting
(for a zone, the temperature setting of the representative unit is shown. (See Note))
- Operation mode
(for a zone, the operation mode of the representative unit is shown. (See Note))

Display ⑩ is an indicator for checking at a glance the status of all air conditioners connected to the intelligent Touch Controller.

Meanings of indications are as shown below:

When operation is normal and any air conditioner is in operation: Red
When operation is normal and all air conditioners are in stoppage: Green
When there is any air conditioner generating an error: Yellow
When there is any air conditioner with communication error: Blue

(Note): Representative unit for a zone
One group shows a representative unit when monitoring is performed by the group on the Monitoring screen as described below:

Icon display: the leftmost group shown in the top line

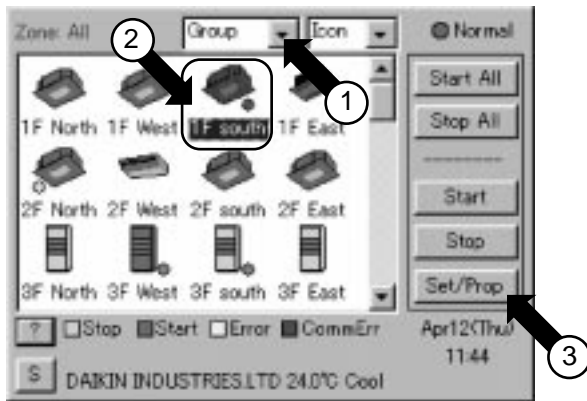
List display: the group shown in the top line

(See page 36 for changing the representative unit for a zone.)

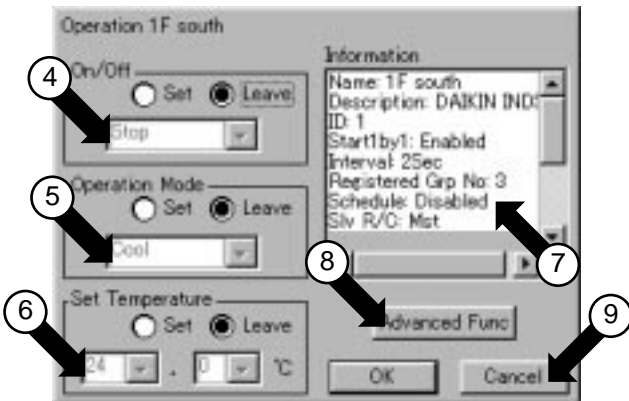
(See page 36)

Monitoring Detailed Information

Screen 1 Monitoring (Icon)



Screen 2 Operation



To monitor detailed information on one zone or group

(The display on Screen 2 and Screen 3, which is on the following page, is updated when the screen appears. Once the screen is open, it is not updated before it is closed and opened again.)

The display type for monitoring detailed operation status can be selected between Icon and List.

Detailed operation status can be monitored by zone or by group.

1. Select Zone or Group from the pull-down menu (2).
(The example on the left shows Group selected.)
2. Press the Set/Prop button (3).
Screen 2 Operation appears.

When Zone is selected, (4) - (6) on Screen 2 and (12) - (16) on Screen 3 on the following page show the status of the representative unit for a zone. For (10) and (11) on Screen 3, if any of the air conditioner of the group in the zone has the filter or element sign illuminated, Yes/No here is shown in black.

The contents of Display on Screen 2 are as shown below. Obscured indication for (4) - (6) shows the current status of the zone or group selected.

The example on the left shows the following:

On/Off : Start
Operation Mode : Cool
Set Point : 24.0

(7) includes the following as the maintenance information:

【Group】

Name : Group name
Description : Group description
ID : 0 - 63
Type : Air conditioner or device
D3 Address : Address between 1-00 and 4-15
Schedule : Enabled/Disabled
Demand : Enabled/Disabled
Slv R/C : Mst/Slv
Cool/Heat Option : With/Without
Ou/Unit Addr : Address of the outdoor unit
Err Type : Normal; Error code when any error is generated
Err Code : 2-digit error code when any error is generated
Err Unit No : 0 when there is no error
Unit No. when error is generated
Rm Temp : Inlet temperature of the indoor unit

【Zone】

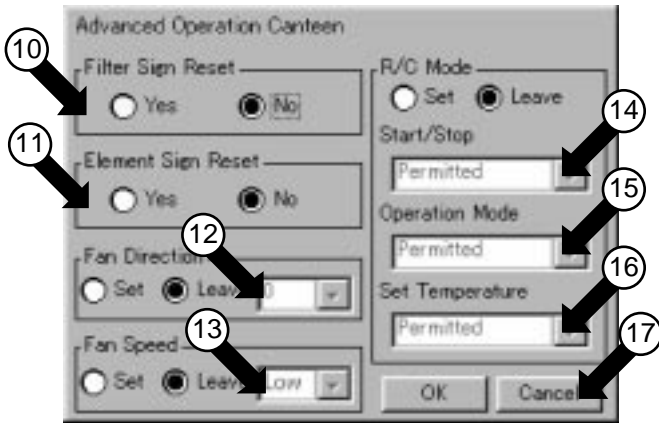
Name : Zone name
Description : Zone description
ID : 0 - 63
Start 1 by 1 : Enabled/Disabled
Interval : Interval when Enabled is set for the above
Registered Grp No : The number of groups registered for a zone
Schedule : Enabled/Disabled
Slv R/C : Mst/Slv (*1)
Cool/Heat Option : With/Without (*2)
Ou/Unit Addr : Address of the outdoor unit (*3)
Err Type : Normal; Error code when any error is generated (*4)
Err Code : 2-digit error code when any error is generated (*4)
Err Unit No : 0 when there is no error
Unit No. when error is generated (*4)
Rm Temp : Inlet temperature of the representative group for a zone (*1)

For detailed information on a zone, the indication (*1) is Mst when there is any master R/C is included for air conditioners in the zone and Slv when all of them are slave R/C. The indication (*2) is Enabled when any of the air conditioners in the zone has the Cool/Heat option and Disabled when none of them has the option. The indication (*3) shows information on the representative unit for a zone and the error-related indications (*4) show information on any air conditioner generating an error.

For monitoring further detailed information,

3. Press the Advanced Func button (8).
Screen 3 Advanced Function appears as shown on the following page.
To go back to Screen 1 Monitoring, press the Cancel button (9).

Screen 3 Advanced Operation



Continued from the previous page

The contents of Display on Screen 3 Advanced Operation are as shown below.

- ⑩ Filter Sign Status
When Yes/No is shown in black, the filter sign is illuminated.
- ⑪ Element Sign Status
When Yes/No is shown in black, the element sign is illuminated.
(The example on the left shows the filter sign illuminated.)
- ⑫ Shows the current wind direction.
Indicated with a figure between 0 and 7 inclusive.
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 below.)
The description given above may not exactly apply depending on the model. Check the wind direction sign on the remote control after operation.
- ⑬ Shows the current wind volume.
Low or High is shown.
- ⑭ Shows the remote control setting for starting or stopping operation. One of the following is shown:
Prohibited
Stop Only
Permitted
- ⑮ Shows the remote control setting for the operation mode. One of the following is shown:
Prohibited
Permitted
- ⑯ Shows the remote control setting for the temperature setting. One of the following is shown:
Prohibited
Permitted

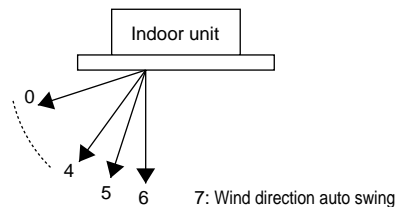
4. When all the settings have been confirmed, press the Cancel button ⑰.

Screen 2 Operation on the previous page reappears.

Pressing the Cancel button ⑨ on that screen brings you back to Screen 1 Monitoring.

Caution This screen is for both operation and monitoring. When you have used the screen for monitoring only, press the Cancel button rather than the OK button to exit the window to prevent wrong operation.

Note: Guidelines for wind direction value and actual direction










System Setup Menu

The System Setup menu includes the following items:



- Password Setup
- Time Zone Setup
- Time Setup
- Backlight Setup
- Group Setup
- Zone Setup
- Schedule Setup
- History Display
- Touch Panel Calibration
- Version Information




The following table describes the items mentioned above.

System Setup Menu Item	Description	Operation (Reference)
Password Setup	<p>Setting a password allows restriction of access to the System Setup menu operation to specified personnel</p> <p>Note : If the set password is lost, access to all System Setup menu operation is denied.</p> <p>Use caution not to lose the password.</p> <p>If it is lost, consult the dealer you purchased the product from.</p>	<p>See page</p> <p style="text-align: center;"> 31</p>
Time Zone Setup	<p>It is necessary to set Time Zone of intelligent Touch Controller according to your service place. And when it is needed to set Daylight Saving Time, setting may be made by this menu.</p> <p>Note : Setting Time Zone Setup may affect upon schedule operation, electric proportional distribution, and demand operation.</p> <p style="text-align: center;">(As for concrete influences, refer to the following. And as for electric proportional distribution and demand operation, refer to their respective operation manuals.)</p> <p>Time goes ahead 60 minutes at the start of Daylight Saving Time, while time goes back 60 minutes at the completion. As for the influence, there are same influences as in the case time is made ahead and back in the following section Time Setup. Refer to the applicable description.</p>	<p>See page</p> <p style="text-align: center;"> 32</p>
Time Setup	<p>Adjust the system clock (year, month, day, hour, minute and second). The clock is used for scheduled operation, saving history, power distribution (optional) and demand operation (optional).</p> <p>Note : Adjusting the clock may affect scheduled operation, power distribution or demand operation.</p> <p style="text-align: center;">(For the details of the influence, see the following. For power distribution and demand operation, see the respective instruction manual as well.)</p> <p>[Influence of changing the clock setting on 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. <li style="text-align: center;">(Ex.: When an air conditioner is scheduled to <u>start at 10:00</u> (ⓐ): If the time is adjusted to 10:05 at 9:55, the scheduled operation (ⓐ) is not performed.) • The operation scheduled to run at a time reached again by turning back the clock is performed again. <li style="text-align: center;">(Ex.: When an air conditioner is scheduled to <u>start at 10:00</u> (ⓐ): If the time is adjusted to 9:55 at 10:05, the scheduled operation (ⓐ) is performed again at 10:00.) 	<p>See page</p> <p style="text-align: center;"> 33</p>

System Setup Menu Item	Description	Operation (Reference)
<p>Backlight Setup</p>	<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 (10 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 for 1. above and Disabled for 2.</p>	<p>See page  33</p>
<p>Group Setup</p>	<p>Set the name, description, icons to be displayed and temperature setting limit (see Note) for the group. 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. (Addresses for central management include up to 64 addresses 1-00, 1-01, 1-15, 2-00, 4-15.)</p> <p>(Note): The temperature setting limit is a function to allow operation only within the preset temperature limit to prevent too much cooling or heating. (The limit function above does not work when the operation mode of the air conditioners is Auto.)</p> <p>Ex.: Temperature setting limit: 25 - 35 cooling If the temperature is set to 20 with the remote control, the intelligent Touch Controller automatically changes the temperature setting to 25 .</p>	<p>See page  34</p>
<p>Zone Setup</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  35 to  36</p>

System Setup Menu Item	Description	Operation (Reference)																																													
Schedule Setup	<p>Menu for setting scheduled operation by zone or by group.</p> <p>Scheduled operation is a function to automatically start or stop air conditioners at a certain time (year, month, day, day of week, hour, minute) preset for the intelligent Touch Controller in accordance with the operating status of air conditioners.</p> <p>Schedule setting includes the following steps:</p> <ul style="list-style-type: none"> Each schedule can include four types of plans: for <u>Weekday</u>, <u>Day off</u>, <u>Special 1</u> and <u>Special 2</u>. Allocate the four types above to <u>Weekly Setup</u> and <u>Calendar Setup</u> as described below. <u>Weekly Setup</u>: set general operation schedule. (Ex.: setting for Day off for Saturdays and Sundays and setting for Weekday for days other than Saturdays and Sundays) Setting can be made for up to 13 months in advance. <u>Calendar Setup</u>: set days that do not fall within the range of Weekly Setup above. (Ex.: New Year's holidays, etc.) Make <u>Patterns Setup</u> for the four types of plans above: for <u>Weekday</u>, <u>Day off</u>, <u>Special 1</u> and <u>Special 2</u>. (Ex.: Start operation for Zone 1 at 9:00 and stop at 17:00, etc.) Each of the plans allows setting of up to 16 operations. Up to 8 settings as described above can be made. 																																														
	<p>Specific Example</p> <p>1. [Floor Usage]</p> <p>1F: Reception: 1F is registered as the zone name. 2F: Office: 2F is registered as the zone name. 3F: Canteen: 3F is registered as the zone name.</p>																																														
	<p>2. Make <u>Weekly Setup</u> in accordance with the usage for one week of the zone above.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;"> Set Saturday and Sunday as Day off and Tuesday to Friday as Weekday. </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Zone name</th> <th style="text-align: center;">1F</th> <th style="text-align: center;">2F</th> <th style="text-align: center;">3F</th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Day of week</td> <td></td> <td></td> <td></td> <td style="text-align: right;">"Weekly Setup"</td> </tr> <tr> <td style="text-align: center;">Sunday</td> <td style="text-align: center;">Day off</td> <td style="text-align: center;">Day off</td> <td style="text-align: center;">Day off</td> <td style="text-align: right;">"Day off"</td> </tr> <tr> <td style="text-align: center;">Monday</td> <td style="text-align: center;">Working hours: 8:30 - 17:00</td> <td style="text-align: center;">Working hours: 9:30 - 18:00 Lunch break: 12:00 - 13:00 Overtime: 18:00 - 22:00 Closing: 22:00</td> <td style="text-align: center;">Working hours: 9:30 - 14:00</td> <td style="text-align: right;">"Weekday"</td> </tr> <tr> <td style="text-align: center;">Tuesday</td> <td style="text-align: center;">Same as above</td> <td style="text-align: center;">Same as above</td> <td style="text-align: center;">Same as above</td> <td></td> </tr> <tr> <td style="text-align: center;">Wednesday</td> <td style="text-align: center;">Same as above</td> <td style="text-align: center;">Same as above</td> <td style="text-align: center;">Same as above</td> <td></td> </tr> <tr> <td style="text-align: center;">Thursday</td> <td style="text-align: center;">Same as above</td> <td style="text-align: center;">Same as above</td> <td style="text-align: center;">Same as above</td> <td></td> </tr> <tr> <td style="text-align: center;">Friday</td> <td style="text-align: center;">Same as above</td> <td style="text-align: center;">Same as above</td> <td style="text-align: center;">Same as above</td> <td></td> </tr> <tr> <td style="text-align: center;">Saturday</td> <td style="text-align: center;">Day off</td> <td style="text-align: center;">Day off</td> <td style="text-align: center;">Day off</td> <td style="text-align: right;">"Day off"</td> </tr> </tbody> </table>	Zone name	1F	2F	3F		Day of week				"Weekly Setup"	Sunday	Day off	Day off	Day off	"Day off"	Monday	Working hours: 8:30 - 17:00	Working hours: 9:30 - 18:00 Lunch break: 12:00 - 13:00 Overtime: 18:00 - 22:00 Closing: 22:00	Working hours: 9:30 - 14:00	"Weekday"	Tuesday	Same as above	Same as above	Same as above		Wednesday	Same as above	Same as above	Same as above		Thursday	Same as above	Same as above	Same as above		Friday	Same as above	Same as above	Same as above		Saturday	Day off	Day off	Day off	"Day off"	<p>See page </p>
Zone name	1F	2F	3F																																												
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Thursday	Same as above	Same as above	Same as above																																												
Friday	Same as above	Same as above	Same as above																																												
Saturday	Day off	Day off	Day off	"Day off"																																											
	<p>3. Make <u>Calendar Setup</u> for special usage other than the weekly usage of the zone above.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;"> Set the third Saturday of each month as Weekday and April 30 - May 5, August 10 - August 15 and December 29 - January 4 as Day off, December 28 as Special 1 and January 5 as Special 2. </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Zone name</th> <th style="text-align: center;">1F</th> <th style="text-align: center;">2F</th> <th style="text-align: center;">3F</th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Day of week</td> <td></td> <td></td> <td></td> <td style="text-align: right;">"Calendar Setup"</td> </tr> <tr> <td style="text-align: center;">Third Saturday of each month</td> <td style="text-align: center;">Workday: regarded as Weekday.</td> <td style="text-align: center;">Workday: regarded as Weekday.</td> <td style="text-align: center;">Workday: regarded as Weekday.</td> <td style="text-align: right;">"Weekday"</td> </tr> <tr> <td style="text-align: center;">Apr. 30 - May 5 Aug. 10 - Aug. 15 Dec. 29 - Jan. 4</td> <td style="text-align: center;">Day off</td> <td style="text-align: center;">Day off</td> <td style="text-align: center;">Day off</td> <td style="text-align: right;">"Day off"</td> </tr> <tr> <td style="text-align: center;">Dec. 28</td> <td style="text-align: center;">9:00 - 12:00</td> <td style="text-align: center;">9:00 - 12:00</td> <td style="text-align: center;">Day off</td> <td style="text-align: right;">"Special 1"</td> </tr> <tr> <td style="text-align: center;">Jan. 5</td> <td style="text-align: center;">10:00 - 15:00</td> <td style="text-align: center;">Working hours: 10:00 - 15:00 Lunch break: 12:00 - 13:00</td> <td style="text-align: center;">10:00 - 14:00</td> <td style="text-align: right;">"Special 2"</td> </tr> </tbody> </table>	Zone name	1F	2F	3F		Day of week				"Calendar Setup"	Third Saturday of each month	Workday: regarded as Weekday.	Workday: regarded as Weekday.	Workday: regarded as Weekday.	"Weekday"	Apr. 30 - May 5 Aug. 10 - Aug. 15 Dec. 29 - Jan. 4	Day off	Day off	Day off	"Day off"	Dec. 28	9:00 - 12:00	9:00 - 12:00	Day off	"Special 1"	Jan. 5	10:00 - 15:00	Working hours: 10:00 - 15:00 Lunch break: 12:00 - 13:00	10:00 - 14:00	"Special 2"	<p>See page </p>															
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System Setup Menu Item	Description	Operation (Reference)																																																																																																																																																																		
Schedule Setup	<p>4. [Make Pattern Setup for Weekday, Day off, Special 1 and Special 2.] (Note): The patterns shown below are examples. Make settings in accordance with the actual usage.</p> <p>Pattern Setup for Weekday</p> <table border="1" data-bbox="299 397 1112 697"> <thead> <tr> <th>Hour</th> <th>Zone concerned</th> <th>Start/Stop</th> <th>Operation mode</th> <th>Temperature setting</th> <th>R/C mode</th> </tr> </thead> <tbody> <tr><td>8:30</td><td>Zone 1F</td><td>Start</td><td>Disabled</td><td>Disabled</td><td>Permitted</td></tr> <tr><td>9:00</td><td>Zone 2F</td><td>Start</td><td>Disabled</td><td>Disabled</td><td>Permitted</td></tr> <tr><td>9:30</td><td>Zone 3F</td><td>Start</td><td>Disabled</td><td>Disabled</td><td>Permitted</td></tr> <tr><td>12:00</td><td>Zone 2F</td><td>Stop</td><td>Disabled</td><td>Disabled</td><td>Disabled</td></tr> <tr><td>13:00</td><td>Zone 2F</td><td>Start</td><td>Disabled</td><td>Disabled</td><td>Permitted</td></tr> <tr><td>14:00</td><td>Zone 3F</td><td>Stop</td><td>Disabled</td><td>Disabled</td><td>Prohibited</td></tr> <tr><td>17:00</td><td>Zone 1F</td><td>Stop</td><td>Disabled</td><td>Disabled</td><td>Prohibited</td></tr> <tr><td>18:00</td><td>Zone 2F</td><td>Disabled</td><td>Disabled</td><td>Disabled</td><td>Stop Only</td></tr> <tr><td>22:00</td><td>Zone 2F</td><td>Stop</td><td>Disabled</td><td>Disabled</td><td>Prohibited</td></tr> </tbody> </table> <p>Disabled means no change.</p> <p>Pattern Setup for Day off</p> <table border="1" data-bbox="299 784 1112 877"> <thead> <tr> <th>Hour</th> <th>Zone concerned</th> <th>Start/Stop</th> <th>Operation mode</th> <th>Temperature setting</th> <th>R/C mode</th> </tr> </thead> <tbody> <tr><td>9:00</td><td>Zone 2F</td><td>Disabled</td><td>Disabled</td><td>Disabled</td><td>Permitted</td></tr> <tr><td>17:00</td><td>Zone 2F</td><td>Stop</td><td>Disabled</td><td>Disabled</td><td>Prohibited</td></tr> </tbody> </table> <p>Disabled means no change.</p> <p>Pattern Setup for Special 1</p> <table border="1" data-bbox="299 967 1112 1170"> <thead> <tr> <th>Hour</th> <th>Zone concerned</th> <th>Start/Stop</th> <th>Operation mode</th> <th>Temperature setting</th> <th>R/C mode</th> </tr> </thead> <tbody> <tr><td>9:00</td><td>Zone 1F</td><td>Start</td><td>Heat</td><td>25</td><td>Permitted</td></tr> <tr><td>9:00</td><td>Zone 2F</td><td>Start</td><td>Heat</td><td>25</td><td>Permitted R/C Set Point Prohibited Change Ope Mode Prohibited</td></tr> <tr><td>12:00</td><td>Zone 1F</td><td>Stop</td><td>Disabled</td><td>Disabled</td><td>Prohibited</td></tr> <tr><td>12:00</td><td>Zone 2F</td><td>Stop</td><td>Disabled</td><td>Disabled</td><td>Prohibited</td></tr> </tbody> </table> <p>Disabled means no change.</p> <p>Pattern Setup for Special 2</p> <table border="1" data-bbox="299 1261 1112 1692"> <thead> <tr> <th>Hour</th> <th>Zone concerned</th> <th>Start/Stop</th> <th>Operation mode</th> <th>Temperature setting</th> <th>R/C mode</th> </tr> </thead> <tbody> <tr><td>10:00</td><td>Zone 1F</td><td>Start</td><td>Heat</td><td>25</td><td>Permitted</td></tr> <tr><td>10:00</td><td>Zone 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mode	Temperature setting	R/C mode	8:30	Zone 1F	Start	Disabled	Disabled	Permitted	9:00	Zone 2F	Start	Disabled	Disabled	Permitted	9:30	Zone 3F	Start	Disabled	Disabled	Permitted	12:00	Zone 2F	Stop	Disabled	Disabled	Disabled	13:00	Zone 2F	Start	Disabled	Disabled	Permitted	14:00	Zone 3F	Stop	Disabled	Disabled	Prohibited	17:00	Zone 1F	Stop	Disabled	Disabled	Prohibited	18:00	Zone 2F	Disabled	Disabled	Disabled	Stop Only	22:00	Zone 2F	Stop	Disabled	Disabled	Prohibited	Hour	Zone concerned	Start/Stop	Operation mode	Temperature setting	R/C mode	9:00	Zone 2F	Disabled	Disabled	Disabled	Permitted	17:00	Zone 2F	Stop	Disabled	Disabled	Prohibited	Hour	Zone concerned	Start/Stop	Operation mode	Temperature setting	R/C mode	9:00	Zone 1F	Start	Heat	25	Permitted	9:00	Zone 2F	Start	Heat	25	Permitted R/C Set Point Prohibited Change Ope Mode Prohibited	12:00	Zone 1F	Stop	Disabled	Disabled	Prohibited	12:00	Zone 2F	Stop	Disabled	Disabled	Prohibited	Hour	Zone concerned	Start/Stop	Operation mode	Temperature 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System Setup Menu Item	Description	Operation (Reference)
History Display	<p>This menu shows the time when record is made in addition to the following. Use this to see if the scheduled operation set is properly performed or if errors are generated often in any specific air conditioner.</p> <ol style="list-style-type: none"> 1. Generation and resetting of an error in air conditioners 2. Generation and resetting of an error in the system. 3. History concerning scheduled operation 4. History concerning zone registration 5. History concerning change of clock setting 6. History concerning the time at which the intelligent Touch Controller is turned ON. 6. History concerning power distribution (optional) 7. History concerning demand (optional) <p>Up to 300 records can be made altogether.</p>	<p>See page 41</p> 
Touch Panel Calibration	<p>Menu for adjusting the positions of buttons on the touch panel used as the screen of the intelligent Touch Controller.</p> <p>If a phenomenon such as "the intelligent Touch Controller does not recognize the pressing on the button shown on the screen" repeatedly occurs, use this menu to calibrate the touch panel.</p>	<p>See page 41</p> 
Version information	<p>This provides maintenance information. The menu shows the version number of the software for the intelligent Touch Controller currently used.</p>	<p>See page 42</p> 

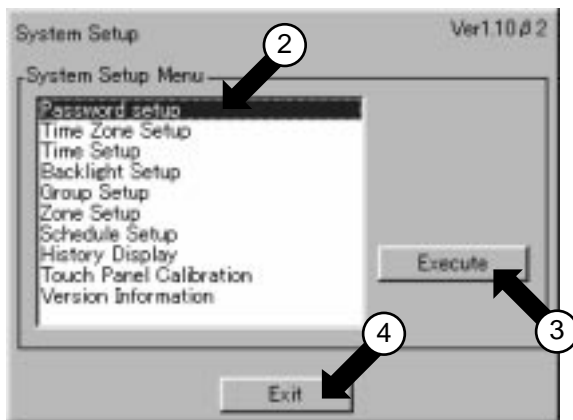
System Setup Menu Operation

Screen 1 Monitoring Screen



①

Screen 2 System Setup Menu



②

④

③

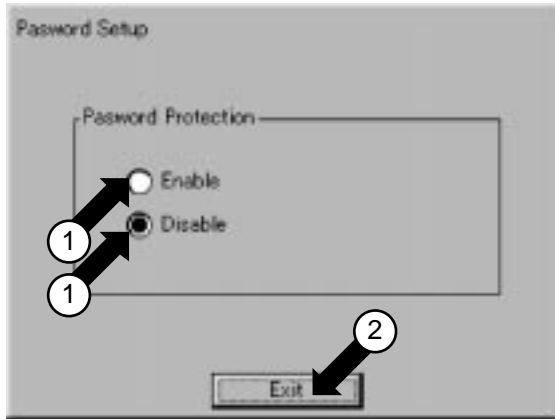
【Viewing the System Setup Menu Screen】

1. Press the **S** button ① on Screen 1 Monitoring.
2. Screen 2 System Setup Menu (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 Setup Menu.
 - 3-1. Click the item to be set ② and press the Execute button ③.
(The example on the left shows the appearance of the screen for password setup.)
 - 3-2. The setting screen selected appears.
 - 3-3. When the setting has been made on the setting screen, press Exit (OK) or cancel.
(Detailed operation is described in the following items.)
 - 3-4. Screen 2 reappears. The setting selected is complete.
 - 3-5. If another item is to be set, repeat the operation in 3-1 - 3-4.
If there is no more item to be set, press the Exit button ④.
Screen 1 Monitoring screen reappears.

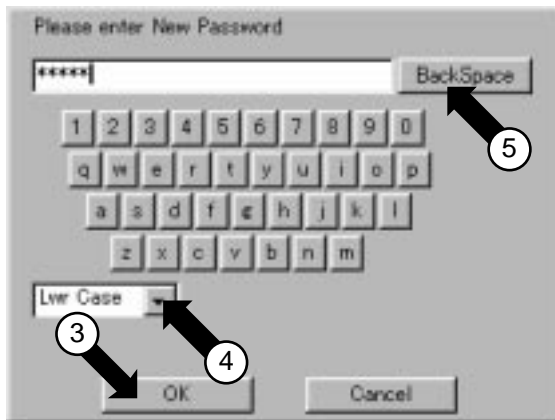
The following pages describe the System Setup operation in order.

System Setup Menu Operation

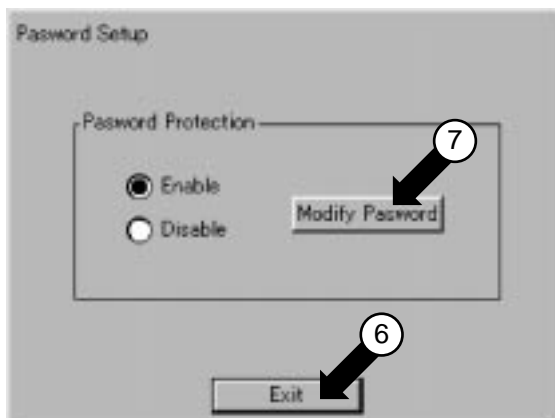
Screen 1 Password Setup



Screen 2 Enter Password



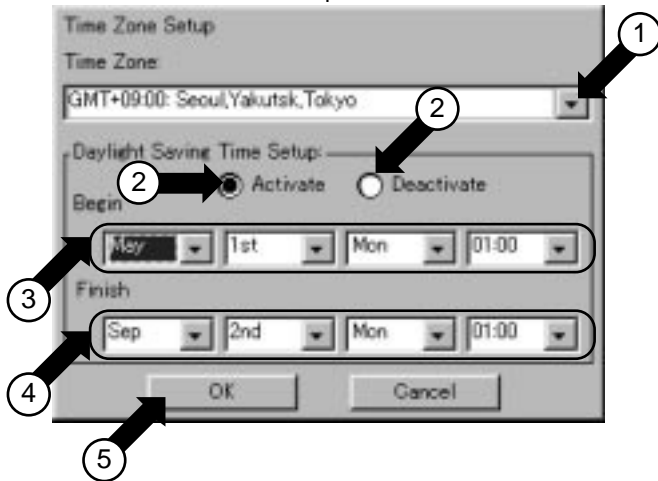
Screen 3



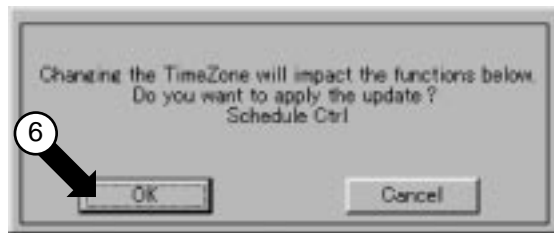
Password setup

1. Select Password Setup as described on page 30.
 2. Screen 1 Password Setup, which is shown on the left, appears.
 3. Select Enable or Disable for password Protection ①.
If Disable is selected, press the Exit button ②. The setting is completed.
If Enable 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 Disable for Password Protection.)
 6. For confirmation, Please reenter Password screen appears. Enter the password as described in 4. Screen 3 appears.
 7. Pressing the Exit button ⑥ completes the setting.
- (Memo): To change the password, press the Modify Password button ⑦ and repeat the operation in 4 - 7 above.

Screen 1 Time Zone Setup



Screen 2 Confirmation



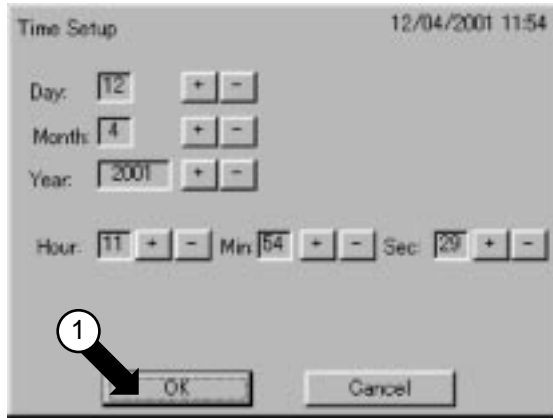
Time Zone Setup

1. Select Time Zone Setup in the operating method shown in page 30.
2. The screen 1 at the left figure, Time Zone Setup screen is displayed.
3. Press ① pull down menu, and select Time Zone of your service place.
4. Then set Daylight Saving Time. Select by ② whether to carry out or not to carry out Daylight Saving Time. When you select "Deactivate" here, carry out the operation 6., and this menu is completed.
5. When you select "Activate" in the above 4, set the begin date by ③, in the order of "Month", "Week", "Day of the Week", and "Hour". In the same manner, set the finish date by ④, in the order of "Month", "Week", "Day of the Week", and "Hour".
6. After setting, press ⑤ OK button. The screen 2, confirmation screen is displayed.
7. Read the Note in page 25, and if there is no problem with change, press ⑥ OK button. Now Time Zone Setup is completed. When not to carry out setup, press the "CANCEL" button.

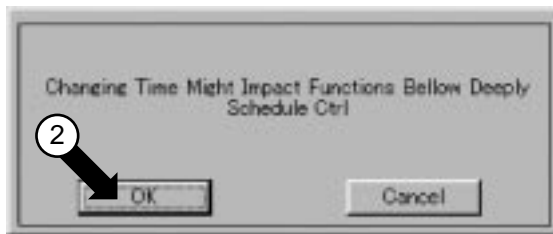


When you change the setting of Time Zone in the above 3., there may be discrepancy between the time of the clock inside of intelligent Touch Controller and the current time, set the time once again in accordance with Time Setup shown in the next page.

Screen 1 Time Setup



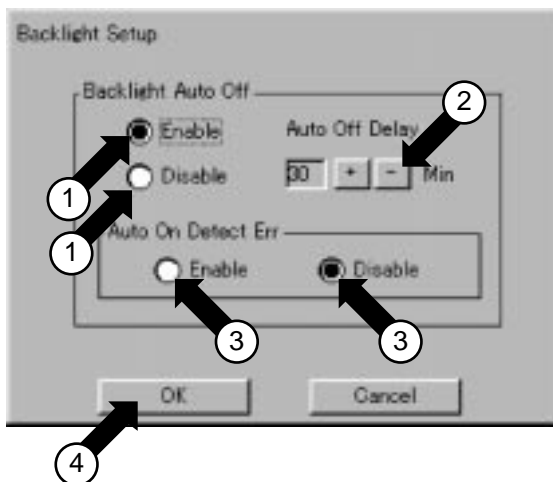
Screen 2 Confirmation



Time setup

1. Select Time Setup as described on page 30.
2. Screen 1 Time Setup, which is shown on the left, appears.
3. Press the **+** or **-** button to set the year, month, day, hour, minute and second.
4. When the setting has been made, press the OK button ①. Screen 2 Confirmation appears.
5. See the Note on page 25. If changing the time setting causes no problem, press the OK button ②. Time setup is complete. To cancel setting, press the Cancel button.

Screen 1 Backlight Setup



Backlight setup

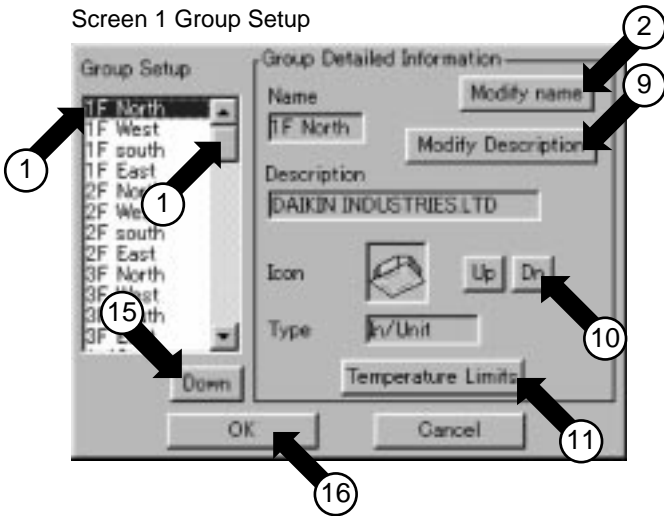
1. Select Backlight Setup as described on page 30.
2. Screen 1 Backlight Setup, which is shown on the left, appears.
3. Press Enable or Disable for Backlight Auto Off ①. If you select Disabled, go to step 6.

Caution For longer service life of the backlight, select Enable 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 Enable is selected for 5. Auto On Detect Err.

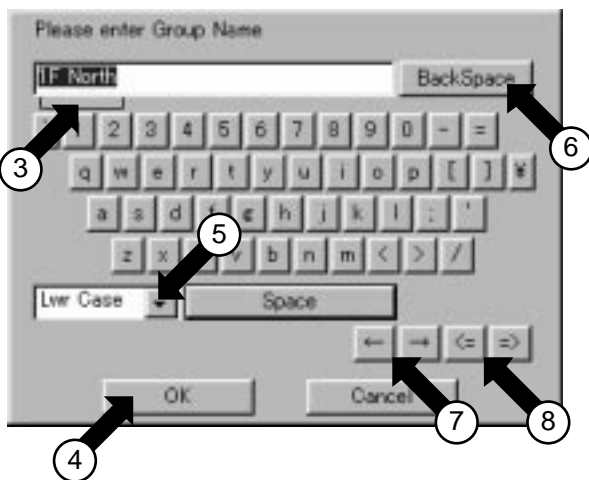
4. Press the **+** or **-** button ② to set the time before auto OFF is activated.
5. Set whether the backlight should be automatically turned ON when any error is generated in air conditioners by selecting Enable or Disable ③.
6. Press the OK button ④.
(To cancel the setting, press the Cancel button.)

System Setup Menu Operation

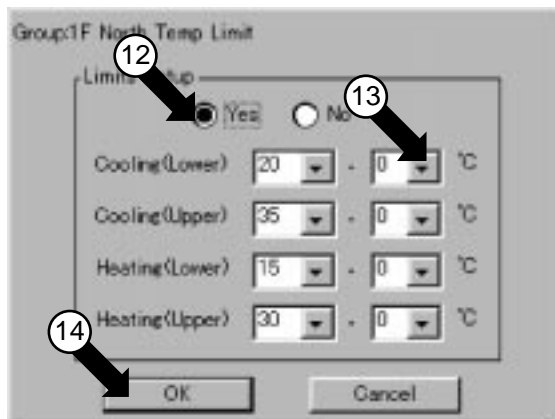
Screen 1 Group Setup



Screen 2 Enter Group Name



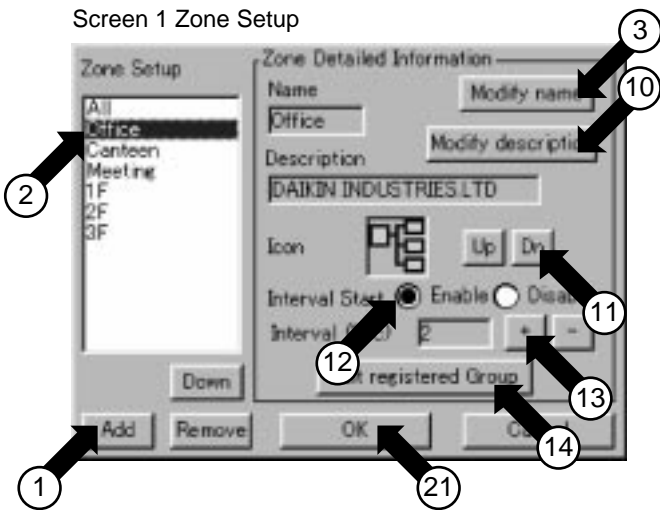
Screen 3 Temp Limit



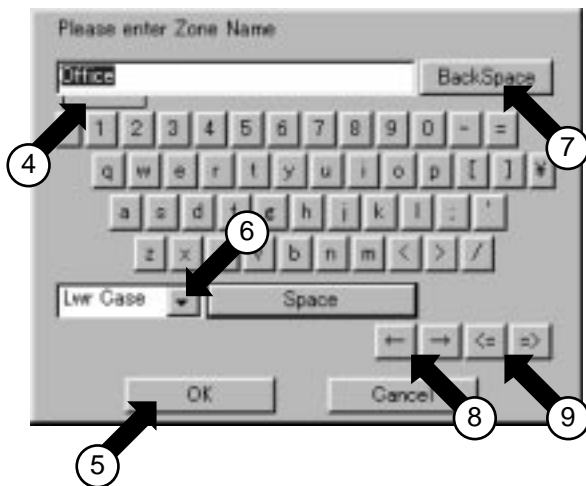
Group setup

1. Select Group Setup as described on page 30.
2. Screen 1 Group Setup, which is shown on the left, appears.
3. Select the group to be set with ①.
4. Press the Modify name button ②. 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 ③. (If it is not contained in the area, reduce the number of characters and reenter.)
[How to use the keyboard]
⑤ : Button to select between uppercase and lowercase.
⑥ : Button to correct wrong entries made. Pressing one time deletes one character leftward starting at the cursor.
⑦ : Button to move the cursor.
⑧ : Button to change the select range of the characters to be converted. When all entries have been made, press the OK button ④. To cancel, press the Cancel button. Screen 1 Group Setup reappears.
5. Press the Modify Description button ⑨ and enter the name as shown in step 4 above.
6. Press the Up or Dn button ⑩ to select an icon. (The selection of icon does not affect the operation of the group.)
7. Press the Temperature Limits button ⑪. Screen 3 Temp Limit appears. Select Yes or No ⑫ for Limits Setup for the group currently selected. If you select Yes, set the limits by pressing the or button ⑬ and then press the OK button ⑭. Screen 1 Group Setup reappears.
8. Select the position with the Down or Up button ⑮ for showing the group currently selected within the zone.
9. Press the OK button ⑯. (To cancel the setting, press the Cancel button.)

Screen 1 Zone Setup



Screen 2 Enter Group Name

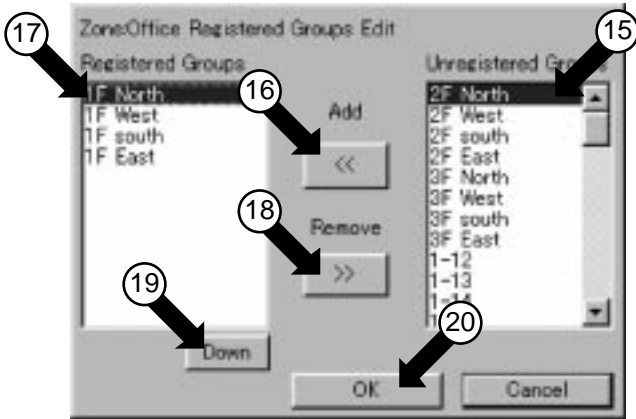


Zone setup

1. Select Zone Setup as described on page 30.
 2. Screen 1 Zone Setup, 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.
 4. Press the Modify name 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.
 ⑨ : Button to change the select range of the characters to be converted.
 When all entries have been made, press the OK button ⑤. To cancel, press the Cancel button. Screen 1 Group Setup reappears.
 5. Press the Modify Description button ⑩ and enter the name as shown in step 4 above.
 6. Press the Up or Dn button ⑪ 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, press the Enable button for Interval Start ⑫. To start the groups at one time, press Disable. If you select Enable, set the interval with the + or - button ⑬.
- (Note) For the zone Collective, the factory setting is Enable for Interval Start and 2 (seconds) for Interval.

System Setup Menu Operation

Screen 3 Registered Groups Edit



Zone setup 2

- Set the groups to be registered for the zone currently selected. Press the Edit registered Group button ⑭ on Screen 1 on the previous page. Screen 3 Registered Groups Edit appears.

To add a group to the zone, select the group to be added with ⑮ and press the << button ⑯.

To delete a group registered for a zone, select the group to be deleted with ⑰ and press the >> button ⑱.

The Up or Down button ⑲ 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.)

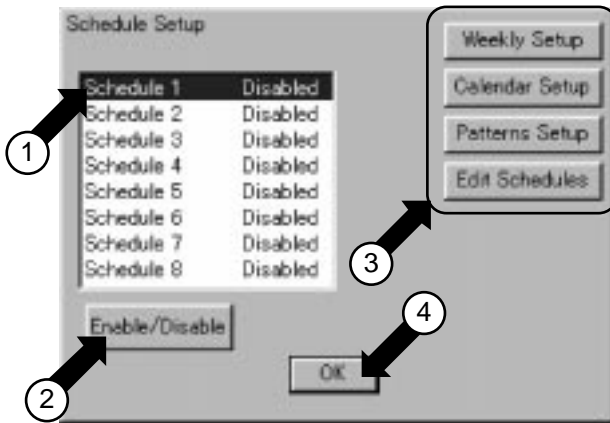
When all editing has been completed, press the OK button ⑳.

To cancel the setting, press the Cancel button.

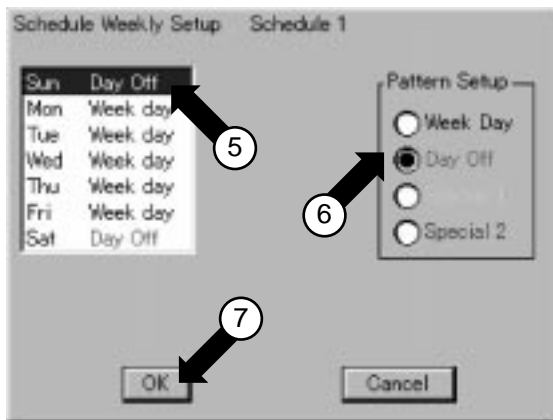
Screen 1 Zone Setup reappears.

- Press the OK button ⑳.
 (To cancel the setting, press the Cancel button.)

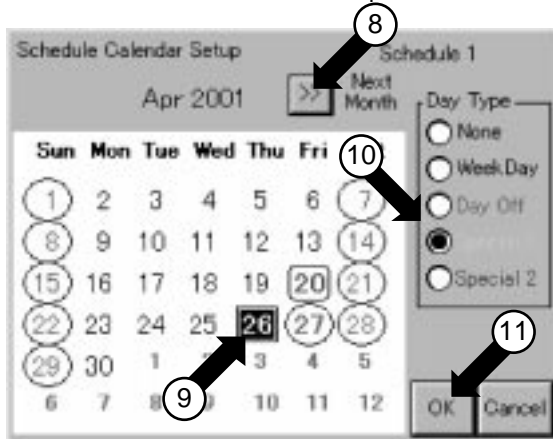
Screen 1 Schedule Setup



Screen 2 Weekly Setup



Screen 3 Schedule Calendar Setup



Schedule setup

Before setting schedule, see page 27 to organize the schedule to be set.

1. Select Schedule Setup as described on page 30.
2. Screen 1 Schedule Setup, which is shown on the left, appears.
3. Select with ① the schedule to be set or modified. When the schedule is enabled, disable it temporarily. No setting can be made while the schedule is enabled.
4. Select with ③ the item to be modified. See the following pages for the procedure for each of the item to be selected.

Weekly Setup : this page
 Calendar Setup : this page
 Pattern Setup : pages 38 and 39
 Edit Schedules : page 40

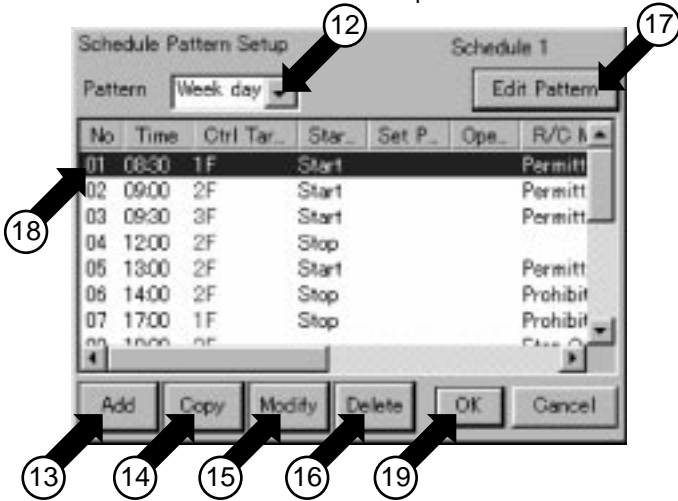
The following steps show the procedure for make settings newly.

5. Select Weekly Setup with ③. Screen 2 Weekly Setup appears. Set the general weekly usage on this screen. Weekday is set for every day of week as default. Select with ⑤ the day of week to be modified and select the pattern for the day with ⑥. When setting for all days of week has been completed, press the OK button ⑦. Screen 1 Schedule Setup reappears.
6. Select Calendar Setup with ③ on Screen 1. Screen 3 Calendar Setup appears. Set special schedule other than the general weekly usage. (Ex.: End of year, beginning of the year, etc.)
 Before setting special days, the settings are as made with Weekly Setup in step 5. Select with ⑧ the month to be modified and select with ⑨ the day to be modified. Select the pattern for the day with ⑩.
 (Setting can be made for up to 13 months in advance.)
 (Memo: Symbols ○, □, ◻ and ■ given to the date in the calendar shows the following:
 ○ : Day set as a Day off
 □ : Day set as a Special 1
 ◻ : Day set as a Special 2
 ■ : Day currently selected
 Days without any of the symbols above are set as Weekday.)

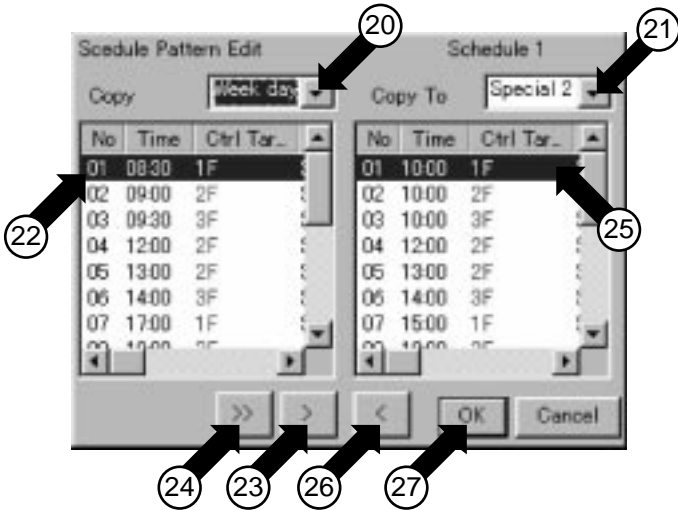
When the setting has been completed, press the OK button ⑪. Screen 1 Schedule Setup appears.

System Setup Menu Operation

Screen 4 Schedule Pattern Setup



Screen 5 Scedule Pattern Edit



7. Select Pattern Setup with ③ on Screen 1 shown on the previous page. Screen 4 Schedule Pattern Setup appears. On this screen, set the actual scheduled operation for four types of plans for Weekday, Day off, Special 1 and Special 2. First, select with the pull-down menu ⑫ the days out of the four above for which the operation pattern is to be set. The example of Screen 4 on the left shows Week day selected.

The descriptions of the buttons ⑬ - ⑰ are as follows:

- ⑬ Add:
Press this button to set new operation.
- ⑭ Copy:
Use this button to set operation similar to operation already set.
Select with ⑱ the operation already set. Pressing the Copy button ⑭ copies the operation.
(The display of characters turns yellow. Modify the copied operation by pressing the Modify button ⑮ described below.)
- ⑮ Modify:
Use this button to modify operation already registered.
Select with ⑱ the operation to be modified and Press the Modify button ⑮.
- ⑯ Delete:
Use this button to delete operation already registered.
Select with ⑱ the operation to be deleted and Press the Delete button ⑯.
- ⑰ Edit Pattern:
This function is similar to Copy described above. The button is for copying the operation set for certain Weekday, Day off, Special 1 and Special 2 to other Weekday, Day off, Special 1 and Special 2.

Pressing the Edit Pattern button ⑰ shows Screen 5 Schedule Pattern Edit.

Select the source day with ⑳ and the destination with ㉑. In the example shown on the left, the source is Week day and the destination is Special 2.

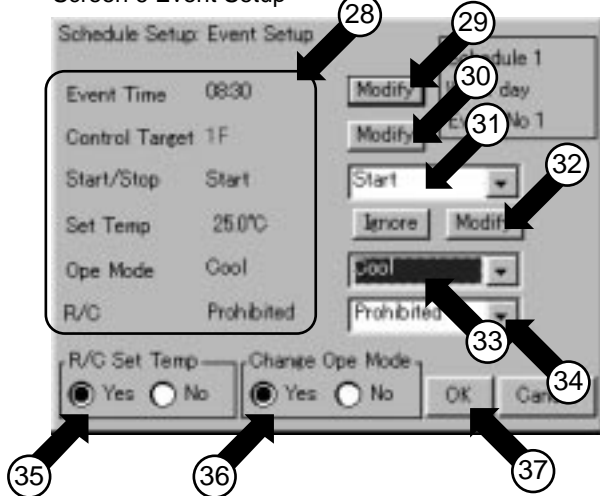
Then select with ㉒ the operation to be copied and press the > button ㉓. This copies the operation No. 01 for Week day to Special 2. Pressing the >> button ㉔ copies all operation for Week day is copied to Special 2. The < button ㉕ is for deleting what is copied by mistake. Select with ㉖ the operation copied by mistake and press the < button ㉕. When the setting has been made, press the OK button ㉗. Screen 4 Schedule Pattern Setup reappears.

This completes the descriptions of the buttons. Make actual settings.

To set new operation, press the Add button ⑬. To modify operation already set, select with ⑱ the operation to be modified and press the Modify button ⑮.

Screen 6 Schedule Setup: Event Setup, which is shown on the following page, appears.

Screen 6 Event Setup



8. 28 shows the settings of the operation to be added or modified.

The following describes the settings available:

- Event Time: Time at which the set operation is performed.
Procedure: Press the Modify button 29. With the keyboard that appears, enter the time to be registered.
- Control Target: The zone or group of air conditioners to be operated.
Procedure: Press the Modify button 30 and select the zone or group for which scheduled operation is to be applied.
- Start/Stop: Set Start/Stop/Ignore. (Ignore means there will no change between Start/Stop.)
Procedure: Select the option with the pull-down menu 31.
- Set Temp: Temperature to be set for the zone or group. (Ignore means there will be no change in temperature setting.)
Procedure: Press the Modify or Ignore button 32. Pressing the Modify button shows the keyboard for registering the temperature. Enter the value.
- Ope Mode: Operation mode to be set for the zone or group. Select between Cool, Heat, Auto, Fan and Disabled. If none of the air conditioners in the zone has the Cool/Heat option, the setting is Set Point, Fan and Disabled.
(Set Point: Cool or Heat. It means to be in line with the Cool or Heat operation mode set for the air conditioner with the Cool/Heat option.)
(Disable: There will be no change in the operation mode.)
Procedure: Select with the pull-down menu 33.
- R/C: Select between Inhibited and Permitted for the operation of the remote control. (Disable means no change in the remote control mode.)
Procedure: Make the setting for Start/Stop with the pull-down menu 34 and select between Yes and No for the temperature setting 35 and for changing the operation mode 36.

When all settings have been made, press the OK button 37.

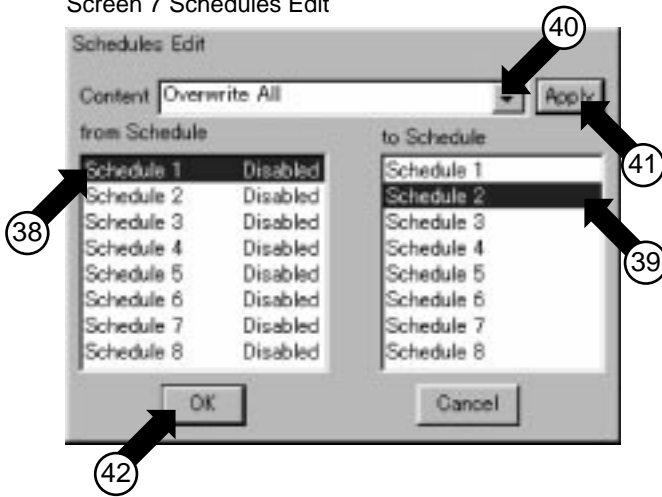
Screen 4 shown on the previous page reappears.

To make additional settings, repeat the operation described in steps 7 and 8. When the settings have been made, press the OK button 19 on Screen 4 shown on the previous page.

Screen 1 Schedule Setup shown on page 37 reappears.

System Setup Menu Operation

Screen 7 Schedules Edit



9. This section describes useful functions for making settings by the schedule, copying to other schedule or deleting.

Press the Edit Schedule button ③ on Screen 1 Schedule Setup shown on page 37. Screen 7 Schedules Edit screen, which is shown on the left, appears.

(To copy)

Select the source schedule with ③⑧ and destination schedule with ③⑨.

(In the example on the left, Schedule 1 is selected as the source schedule and Schedule 2 as the destination schedule.)

Then select with the pull-down menu ④⑩ the setting for Schedule 1 to be copied.

The options include:

- Overwrite All
- Overwrite Only Calendar-weekly
- Overwrite Only Calendar

When one options has been selected, press the Apply button ④⑪.

The press the OK button ④⑫ to complete.

(To cancel, press the Cancel button.)

Screen 1 Schedule Setup shown on page 37 reappears.

(To delete)

Select with ③⑨ the schedule to be deleted.

Then select with the pull-down menu ④⑩ the setting for Schedule 1 to be deleted. The options include:

- Deleted All
- Delete Only Calendar-weekly
- Delete Only Calendar

When one options has been selected, press the Apply button ④⑪.

The press the OK button ④⑫ to complete.

(To cancel, press the Cancel button.)

Screen 1 Schedule Setup shown on page 37 reappears.

10. Switch between Enabled/Disabled for the schedule.

On Screen 1 Schedule Setup shown on page 37, operate as follows:

Select with ① the schedule for which Enabled/Disabled is to be switched.

Then switch with ② between Enabled and Disabled.

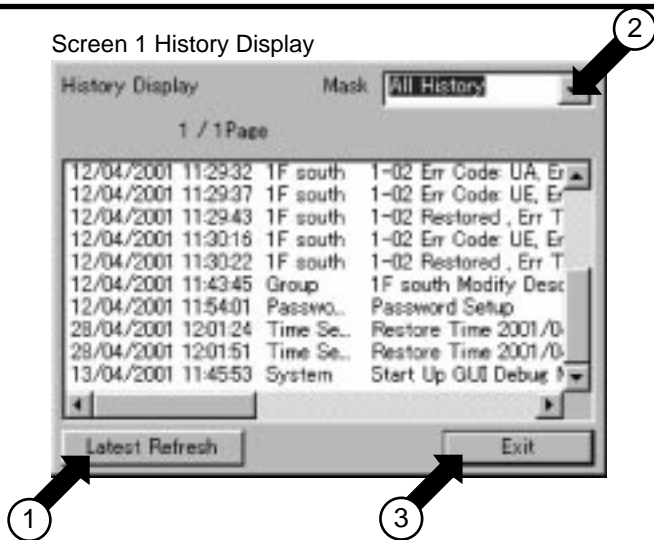
11. Complete the schedule menu.

On Screen 1 Schedule Setup on page 37, operate as follows:

Press the OK button ④.

Screen 2 System Setup Menu shown on page 30 reappears and schedule setup is completed.

Screen 1 History Display

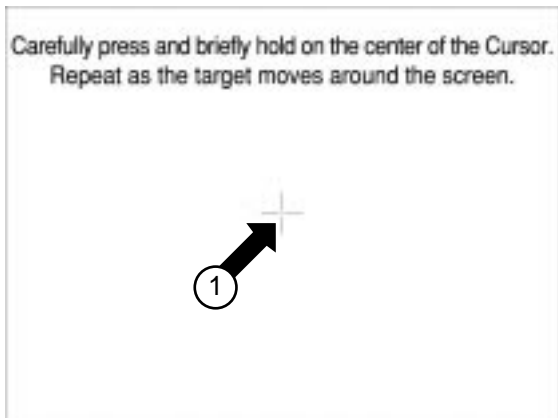


History Display Operation

1. See page 30 and select History Display.
 2. Screen 1 History Display, which is shown on the left, appears.
 3. To update the history, press the Latest Refresh button ①.

(When the History Display screen is opened from the System Setup Menu, history is once updated. However, it is not updated while the History Display is open. Pressing this button allows updating of the history to the latest one.)
 4. Use the pull-down menu ② to show the history classified according to the following items:
 - All History
 - Shows all history recorded in the intelligent Touch Controller in the order of occurrence.
 - Controller History
 - History of errors in air conditioners
 - History of errors in centrally-controlled device.
 - Schedule History
 - History of scheduled operation performed
 5. When checking of the history has been finished, press the Exit button ③.
- (Memo): Up to 300 items can be recorded in history.
When the number of items exceeds 300, the oldest ones are deleted in order. Recorded items in history cannot be deleted.

Screen 1 Touch Panel Calibration

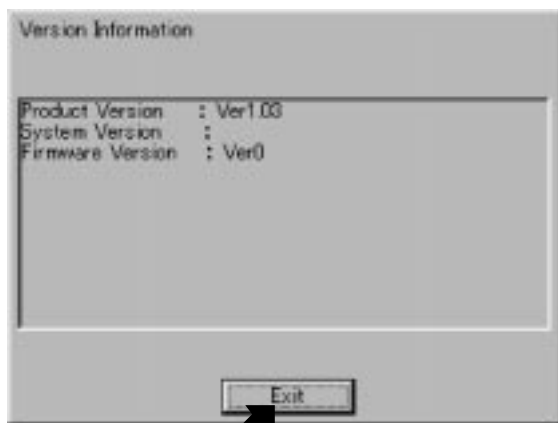


Touch Panel Calibration

1. See page 30 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 Setup automatically appears within 30 seconds.

System Setup 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. See page 30 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 Exit button ①.

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.
Be sure the use the touch pen provided to operate the LCD touch panel.
Do not use pointed objects such as mechanical pencils for operation.
Using pointed objects may cause damage or failure.

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.

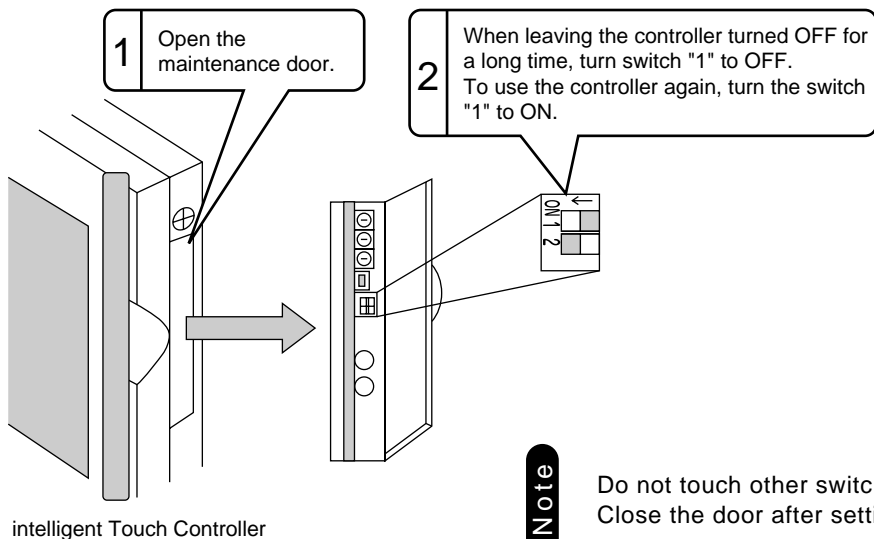
The intelligent Touch Controller has a built-in battery for operating the clock in power failure.
The battery mentioned above is for power failure only and it may be completely discharged if no power is provided for a long time.
(The capacity is worth about 2 years of in total if no power is supplied.)

To use the intelligent Touch Controller again, turn the switch ON.

[Setting the switch]

Open the maintenance door on the right side of the intelligent Touch Controller and turn the switch shown below ON or OFF.

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




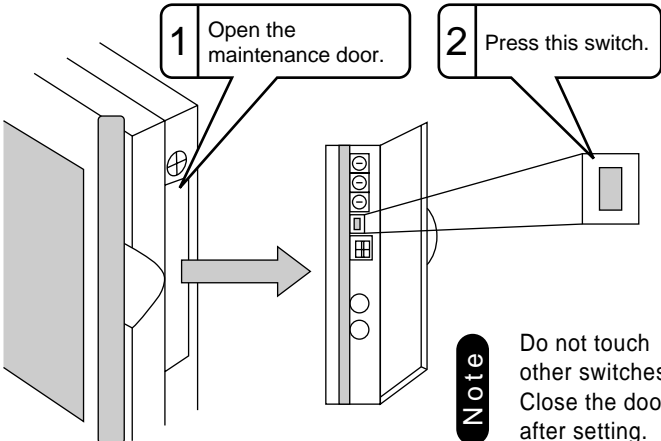
Note

Do not touch other switches.
Close the door after setting.

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.).

Before Having the Product Serviced

Item	Description and Corrective Action
<p>The screen of the intelligent Touch Controller does not change from the display shown below.</p> 	<p>The screen shown on the left is the initial screen generally shown when the power of the intelligent Touch Controller is turned OFF and back ON. Usually, this screen is switched to the Monitoring screen in 2 - 3 minutes.</p> <p>If the screen shown on the left does not change after 5 minutes, there may be problem in communication with air conditioners. Make sure that the air conditioners are turned ON.</p>
<p>The display of the intelligent Touch Controller has gone out.</p>	<p>When Backlight Auto OFF is set for Backlight Setup of the intelligent Touch Controller, the light goes out if the screen is left untouched for a certain time.</p> <p>Touch the screen with the pen provided. The display comes back on.</p>
<p>The backlight does not go out when Backlight auto OFF is set.</p>	<p>Backlight Auto OFF is a function to automatically turn the backlight OFF if it is left untouched for a certain time.</p> <p>If the display is Set/Prop, System Setup, etc., the light does not go out automatically.</p>
<p>The intelligent Touch Controller cannot be operated or monitoring is not available.</p>	<p>Open the maintenance door on the right side of the intelligent Touch Controller and press the switch shown in the figure below. Pressing this switch initialize the intelligent Touch Controller. (Pressing this switch does not erase the settings for groups, zones or schedule.)</p>  <p>Note Do not touch other switches. Close the door after setting.</p> <p>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.).</p>

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 41 and perform touch panel calibration.
The intelligent Touch Controller does not allow setting of Permitted/Inhibited of the remote control.	When iPU, BAC net Gateway 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
<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 Ctal Mng on the Monitoring screen, as shown below?</p> <p>This indication is shown in the following cases.</p> <p>When iPU, BAC net Gateway is connected to the intelligent Touch Controller, the low order control inhibit setting is available for iPU, BAC net Gateway.</p> <p>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 iPU, BAC net Gateway only. When this setting is made, System Ctal Mng indication is shown on the intelligent Touch Controller.</p> <p>When the setting is released, the System Ctal Mng indication disappears and operation with the intelligent Touch Controller becomes available.</p> <div data-bbox="642 755 1200 1174" data-label="Image"> </div> <p>Pressing the Set/Prop button on the screen shown above shows the screen below, which displays detailed information on air conditioners.</p> <p>Operation of air conditioners is not available.</p> <div data-bbox="642 1414 1200 1831" data-label="Image"> </div>

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 Compulsory Stop on the Monitoring screen, as shown below? This indication is shown in the following cases.</p> <p>When compulsory stop command is input to central management devices (central remote controller, ON/OFF controller, etc.) including the intelligent Touch Controller, the indication appears. Inputting compulsory command stops all air conditioners connected to the central management device. While the command is input, neither the central management devices nor remote control can operate air conditioners.</p> <p>When the compulsory stop input command is canceled, the System Compulsory Stop disappears, which allows control with the intelligent Touch Controller.</p> <div data-bbox="639 687 1197 1107" data-label="Image"> <p>The screenshot shows a monitoring interface for Zone Z-000. It features a grid of 12 air conditioner units labeled 1-00 through 1-11. Unit 1-00 is highlighted with a dark background. To the right of the grid are buttons for 'Stop All', 'Stop', and 'Set/Prop'. At the bottom, there are status indicators for 'Stop', 'Start', 'Error', and 'CommErr', along with a date and time display (Apr 15 (Mon) 12:05). A callout box points to the 'System Compulsory Stop' indicator in the status bar.</p> </div> <p>System Compulsory Stop indication?</p> <p>Pressing the Set/Prop button on the screen shown above shows the screen below, which displays detailed information on air conditioners.</p> <p>Operation of air conditioners is not available. (Operation other than starting (changing temperature setting, etc.) can be performed with the remote control.)</p> <div data-bbox="639 1412 1197 1831" data-label="Image"> <p>The screenshot shows a dialog box titled 'Operation 1-00'. It contains a list of information for unit 1-00: Name: 1-00, Description: 1-00, ID: 0, Type: Aircon, D3 Address: 1-00, Schedule: Disabled, Demand: Disabled, and Slv R/C: Mst. There are 'OK' and 'Cancel' buttons at the bottom.</p> </div>

Emergency Procedure for intelligent Touch Controller Failure

Item	Description and Corrective Action
<p>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>	<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. (When there is any other central management device, turn the power OFF for all of the devices.)</p>

Difficulty in Viewing

Item	Description and Corrective Action
<p>Viewing the intelligent Touch Controller screen is difficult and contrast adjustment is required.</p>	<p>The contrast of the intelligent Touch Controller is factory set in such a way that viewing is easiest when it is installed at the height of eyes.</p> <p>If it is not easy to view the screen due to the actual installation conditions or ambience temperature, adjust the contrast as shown below.</p> <p>[Adjusting the Contrast] Open the maintenance door on the right side of the intelligent Touch Controller. Turn with a precision <u>Phillips screwdriver</u> the volume shown in the figure below until it is easy to view the screen.</p> <p>Note The volume is a precision part. Do not apply too much torque when turning it. Do not touch the volume switch. It may cause failure. Be sure to close the door after adjustment.</p> <div data-bbox="573 857 1259 1449"> <p>1 Open the maintenance door.</p> <p>2 The top volume is the one for adjusting the contrast. Be sure to use a precision Phillips screwdriver for adjustment.</p> <p>The volume for adjusting the brightness</p> <p>The volume for the buzzer</p> <p>intelligent Touch Controller</p> </div> <p>Note Do not touch other switches. Close the door after setting.</p> <p>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.).</p>

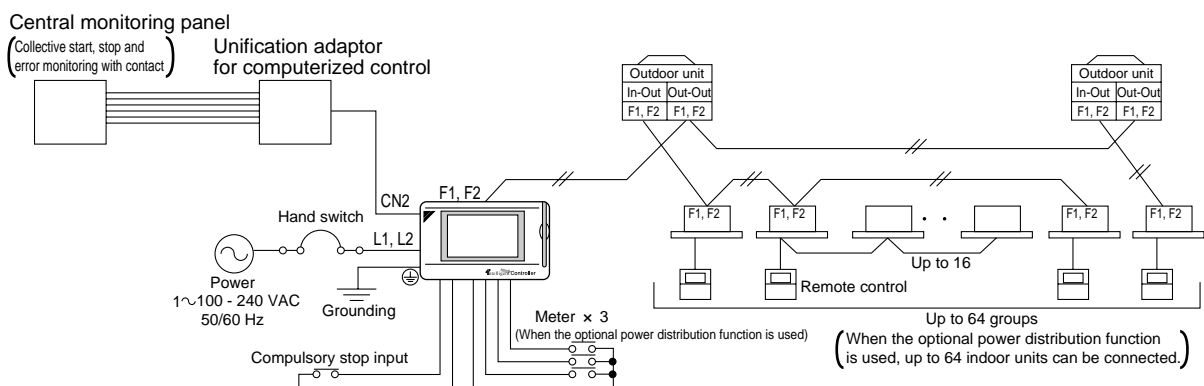
Error Diagnostic Functions

Run lamp	Check indication	Unit No.	Error code	Error
Flickering	Flickering	Flickering	A0	Indoor unit · External protection device error
Flickering	Flickering	Flickering	A1	Indoor unit · PCB assembly failure
Illuminated	Turned OFF	Flickering	A1	Indoor unit · PCB assembly failure
Flickering	Flickering	Flickering	A3	Indoor unit · Drain level system error (33H)
Flickering	Flickering	Flickering	A6	Indoor unit · Fan motor (51F) locked, overload
Illuminated	Turned OFF	Flickering	A7	Indoor unit · Wind direction adjusting motor (MA) error
Flickering	Flickering	Flickering	A9	Indoor unit · Electronic expansion valve drive (20E) error
Illuminated	Turned OFF	Flickering	AF	Indoor unit · Faulty drain
Flickering	Flickering	Flickering	AH	Indoor unit · No-maintenance filter error
Illuminated	Turned OFF	Flickering	AH	Indoor unit · Dust collector error
Flickering	Flickering	Flickering	AJ	Indoor unit · Capacity setting error
Flickering	Flickering	Flickering	C4	Indoor unit · Liquid pipe thermistor (Th2) error (insufficient contact/disconnection/short circuit/fault)
Flickering	Flickering	Flickering	C5	Indoor unit · Gas pipe thermistor (Th3) error (insufficient contact/disconnection/short circuit/fault)
Flickering	Flickering	Flickering	C9	Indoor unit · Suction air thermistor (Th1) error (insufficient contact/disconnection/short circuit/fault)
Illuminated	Illuminated	Illuminated	CJ	Indoor unit · Remote control sensor error
Flickering	Flickering	Flickering	E0	Indoor unit · Protection device activated
Flickering	Flickering	Flickering	E1	Outdoor unit · PCB assembly failure
Illuminated	Turned OFF	Flickering	E1	Outdoor unit · PCB assembly failure
Flickering	Flickering	Flickering	E3	Outdoor unit · Outdoor unit high pressure switch activated
Flickering	Flickering	Flickering	E4	Outdoor unit · Outdoor unit low pressure switch activated
Flickering	Flickering	Flickering	E9	Outdoor unit · Outdoor unit electronic expansion valve drive (20E) error
Illuminated	Turned OFF	Flickering	EC	Heat source unit · Inlet water temperature interlock activated (Air operation)
Flickering	Flickering	Flickering	EF	Outdoor unit · Outdoor unit ice thermal storage unit error
Flickering	Flickering	Flickering	F3	Outdoor unit · Outdoor unit discharge pipe temperature error
Illuminated	Turned OFF	Flickering	H3	Outdoor unit · Outdoor unit high pressure switch activated
Flickering	Flickering	Flickering	H4	Outdoor unit · Outdoor unit low pressure switch activated
Flickering	Flickering	Flickering	H9	Outdoor unit · Outdoor air thermistor (Th1) error (insufficient contact/disconnection/short circuit/fault)
Illuminated	Turned OFF	Flickering	H9	Outdoor unit · Outdoor air thermistor (Th1) error (insufficient contact/disconnection/short circuit/fault)
Illuminated	Turned OFF	Flickering	HC	Outdoor unit · Outdoor unit water temperature sensor system error
Illuminated	Turned OFF	Flickering	HF	Ice thermal storage unit error · Ice thermal storage controller error/outdoor unit error while ice thermal storage is in operation
Flickering	Flickering	Flickering	HJ	Outdoor unit · Water system error
Flickering	Flickering	Flickering	J1	Outdoor unit · Pressure sensor error
Flickering	Flickering	Flickering	J3	Outdoor unit · Discharge pipe thermistor (Th3) error (insufficient contact/disconnection/short circuit/fault)
Illuminated	Turned OFF	Flickering	J3	Outdoor unit · Discharge pipe thermistor (Th3) error (insufficient contact/disconnection/short circuit/fault)
Flickering	Flickering	Flickering	J5	Outdoor unit · Suction pipe thermistor (Th4) error (insufficient contact/disconnection/short circuit/fault)
Flickering	Flickering	Flickering	J6	Outdoor unit · Heat exchanger thermistor (Th2) error
Illuminated	Turned OFF	Flickering	J6	Outdoor unit · Heat exchanger thermistor (Th2) error (insufficient contact/disconnection/short circuit/fault)
Flickering	Flickering	Flickering	JA	Outdoor unit · Discharge pipe pressure sensor error
Flickering	Flickering	Flickering	JC	Outdoor unit · Suction pipe pressure sensor error
Illuminated	Turned OFF	Flickering	JH	Outdoor unit · Oil temperature sensor error
Flickering	Flickering	Flickering	L0	Outdoor unit · Inverter system error
Flickering	Flickering	Flickering	L4	Outdoor unit · Inverter cooling error
Flickering	Flickering	Flickering	L5	Outdoor unit · Compressor motor earth fault, short circuit, power unit short circuit
Flickering	Flickering	Flickering	L6	Outdoor unit · Compressor motor earth fault, short circuit
Flickering	Flickering	Flickering	L8	Outdoor unit · Compressor overload, compressor motor disconnection
Flickering	Flickering	Flickering	L9	Outdoor unit · Compressor locked
Flickering	Flickering	Flickering	LA	Outdoor unit · Power unit error
Flickering	Flickering	Flickering	LC	Outdoor unit · Communication error between inverter and outdoor control unit
Illuminated or turned OFF	Flickering	Flickering	M8	Communication error between central management devices
Illuminated or turned OFF	Flickering	Flickering	MA	Central management devices inappropriate combination
Illuminated or turned OFF	Flickering	Flickering	MC	Central management controller address setting error

Run lamp	Check indication	Unit No.	Error code	Error
Illuminated	Turned OFF	Flickering	P0	Low gas (thermal storage)
Flickering	Flickering	Flickering	P1	Outdoor unit · Power voltage imbalance, open phase
Flickering	Flickering	Flickering	P4	Outdoor unit · Power unit temperature sensor error
Illuminated	Turned OFF	Flickering	U0	Insufficient coolant · Low pressure drop due to electronic expansion valve error, etc.
Flickering	Flickering	Flickering	U1	Negative phase · Open phase
Flickering	Flickering	Flickering	U2	Power voltage failure · Instantaneous power failure
Flickering	Flickering	Flickering	U4	Communication error between indoor unit and outdoor · BS unit, communication error between outdoor unit and BS unit
Flickering	Flickering	Flickering	U5	Communication error between remote control and indoor unit
Turned OFF	Illuminated	Turned OFF	U5	Remote control board failure or setting error for remote control
Flickering	Flickering	Flickering	U6	Communication error between indoor units
Flickering	Flickering	Flickering	U7	Communication error between outdoor units Communication error between outdoor unit and ice thermal storage unit
Flickering	Flickering	Turned OFF	U8	Communication between master and slave remote controls (slave remote control error) Combination error of other indoor unit/remote control in the same system (model)
Flickering	Flickering	Flickering	U9	Communication error between other indoor unit and outdoor unit in the same system Communication error between other BS unit and indoor/outdoor unit
Flickering	Flickering	Flickering	UA	Combination error of indoor/BS/outdoor unit (model, quantity, etc.) Combination error of indoor unit and remote control (remote control concerned) BS unit connection point error
Illuminated	Illuminated	Illuminated	UC	Central address duplicated
Flickering	Flickering	Flickering	UE	Communication error between indoor unit and central control device
Flickering	Flickering	Flickering	UF	System not set
Flickering	Flickering	Flickering	UH	System error

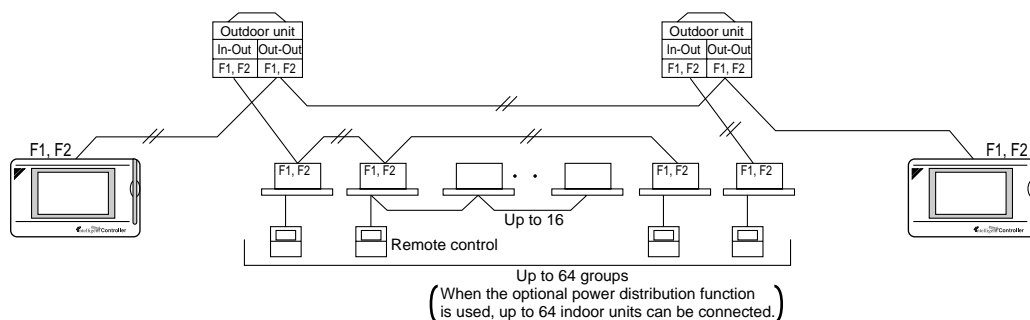
For the highlighted error codes, [Check] indication is not shown. The system can be operated but be sure to check the instruction displayed and contact the vendor you purchased the product from.

Connecting the collective remote 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.



Double intelligent Touch Controllers

Using two intelligent Touch Controllers allows central control of indoor units from different places.



Note

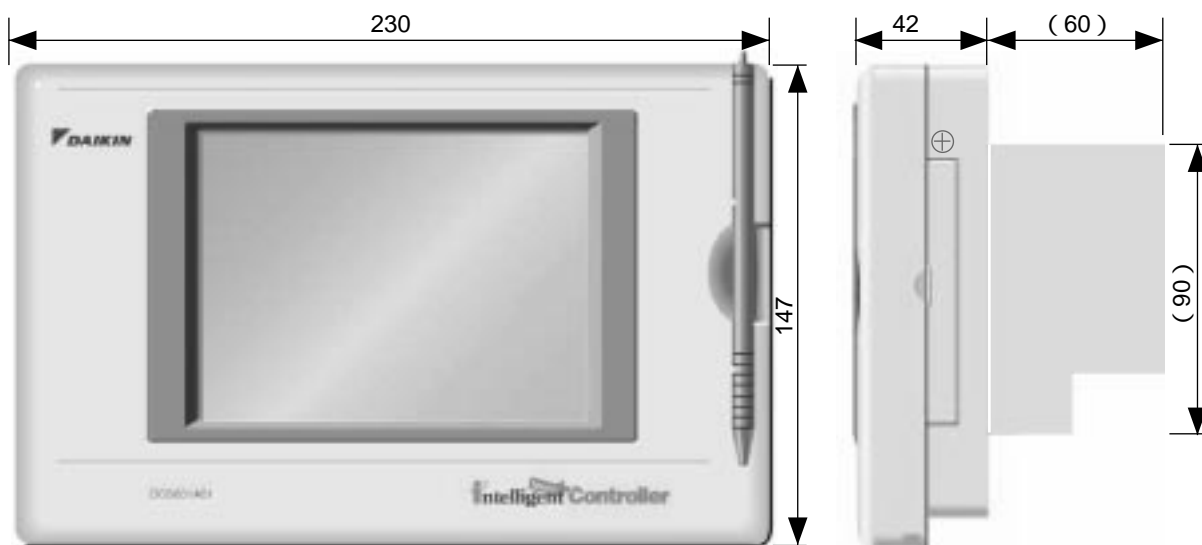
- For combination and settings for double intelligent Touch Controllers, be sure to consult the vendor.

Specification

Specification

Power	AC100 - 240V 50/60Hz
Power consumption	10 W maximum
Compulsory stop input	Normally-open contact Contact current approximately 10 mA
Size	230 × 147 × 100 (W × H × D)
Mass	1.2kg

Dimensions



Including the protrusion
of the touch pen
Tolerance: ± 1

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.

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