7. Operation Manual

7.1   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⟩

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7.2   Air Conditioner Operation

7.2.1   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.
   $\left(\begin{array}{l}\text{To exit without activating collective}\\\text{start or stop, press the Cancel button.}\end{array}\right)$

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7.2.2   Starting/Stopping Operation by the Group

1

Screen 1 Monitoring

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.

Zone Name

Screen 2 Monitoring (Group)

[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 ①.
   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.

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7.2.3   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.

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1

7.2.4   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"

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7.2.5   **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˚C and 30˚C inclusive.

Zone name   Group name   Range of temperature settings available (see Note)

Canteen —— 1F North —— 25 to 30˚C

        └── 1F West —— 20 to 25˚C

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

Group name   Temperature setting

1F North —— 30˚C

1F West —— 25˚C

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)

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1

7.2.6 Resetting the Filter/Element Sign

Screen 1 Monitoring

Screen 2 Operation

Screen 3 Advanced Operation

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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.)

7.2.7 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

20
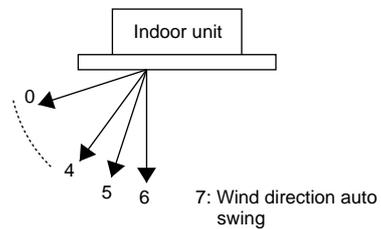
7.2.8 Changing the Range of Operation Allowed with Remote Control

Screen 1 Monitoring

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 menu①.

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 button③. Screen 2 Operation appears.

4. Press the Advanced Func button④. Screen 3 Advance Function appears.

5. Press Set for R/C Mode⑤. Then make setting with the pull-down menus⑥ - 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.)

Screen 2 Operation

Screen 3 Advanced Operation

[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.

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7.3 Monitoring the Operation of Air Conditioner

7.3.1 To Monitor the Operation by the Zone or Group

Screen 1 Monitoring (Icon)

Zone: All   Group ▾   Icon ▾   Normal

1F North 1F West 1F south 1F East
2F North 2F West 2F south 2F East
3F North 3F West 3F south 3F East

Start All
Stop All

Start
Stop
Set/Prop

□Stop ■Start □Error ■CommErr

Apr12(Thu) 11:40

S   1-02 --- Fan

Screen 2 Monitoring Screen (List)

Zone List Display   Zone ▾   List ▾   Normal

State		Setup	M	Roo
FE	A	30.0℃	Cool	0℃
F	Office	30.0℃	Cool	25.0℃
F	Canteen	30.0℃	Cool	26.0℃
	Meeting	30.0℃	Cool	26.0℃
F	1F	30.0℃	Cool	26.0℃
	2F	24.0℃	Cool	26.0℃
E	3F	24.0℃	Cool	26.0℃

Start All
Stop All

Start
Stop
Set/Prop

□Stop ■Start □Error ■CommErr

Apr12(Thu) 11:42

S   Canteen 30.0℃ Cool

Screen 3 Legend

IconView Legend
Stop   Start   Error   CommErr
Auto Ctrl   Filter/Element Sign

ListView Sample
□Stop ■Start □Error ■CommErr
A: Auto Ctrl   E: Element Sign   F: Filter Sign

Close

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.)

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7.3.2   Monitoring Detailed information

1

Screen 1 Monitoring (Icon)

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 undated 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 menu②.
ⅰThe example on the left shows Group selected.

2. Press the Set/Prop button③.
Screen 2 Operation appears.

When Zone is selected,④-⑥on Screen 2 and⑫-⑯on Screen 3 on the following page show the status of the representative unit for a zone. For⑩and⑪on 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 for④-⑥shows 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˚C

⑦includes 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)

Screen 2 Operation

For detailed information on a zone, the indication (*1) is Mst when there is any master R/C 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 button⑧.
Screen 3 Advanced Function appears as shown on the following page.
To go back to Screen 1 Monitoring, press the Cancel button⑨.

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Screen 3 Advanced Operation

Advanced Operation Canteen

⑩ Filter Sign Reset
○ Yes   ● No

⑪ Element Sign Reset
○ Yes   ● No

⑫ Fan Direction
○ Set   ● Leave   [   ] ▼

⑬ Fan Speed
○ Set   ● Leave   [Low] ▼

R/C Mode
○ Set   ● Leave

Start/Stop
[Permitted] ▼   ⑭

Operation Mode
[Permitted] ▼   ⑮

Set Temperature
[Permitted] ▼   ⑯

[OK]   [Cancel] ⑰
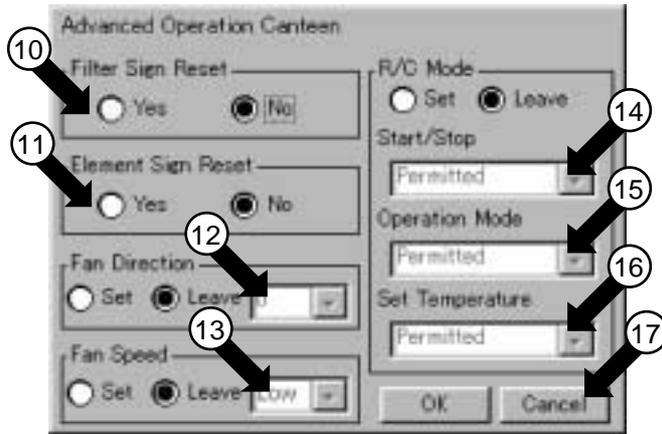
Continued from the previous page

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

Indoor unit

0
4
5   6
7: Wind direction auto swing

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1
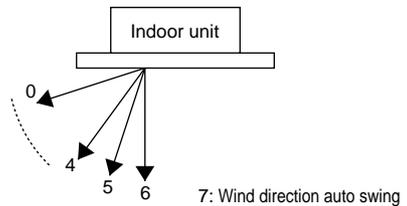
7.4   System Setup Menu

7.4.1   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	Setting a password allows restriction of access to the System Setup menu operation to specified personnel Note ꜰIf the set password is lost, access to all System Setup menu operation is denied. Use caution not to lose the password. If it is lost, consult the dealer you purchased the product from.	See page 31
Time Zone Setup	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. Note ꜰSetting Time Zone Setup may affect upon schedule operation, electric proportional distribution, and demand operation. As for concrete influences, refer to the following. And as for electric proportional distribution and demand operation, refer to their respective operation manuals. 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.	See page 32
Time Setup	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). Note ： Adjusting the clock may affect scheduled operation, power distribution or demand operation. For the details of the influence, see the following. For power distribution and demand operation, see the respective instruction manual as well. [Influence of changing the clock setting on scheduled operation] · The operation scheduled to run at a time passed by advancing the clock is not performed. Ex.: When an air conditioner is scheduled to start at 10:00 (①): If the time is adjusted to 10:05 at 9:55, the scheduled operation (①) is not performed. · The operation scheduled to run at a time reached again by turning back the clock is performed again. Ex.: When an air conditioner is scheduled to start at 10:00 (①): If the time is adjusted to 9:55 at 10:05, the scheduled operation (①) is performed again at 10:00.	See page 33

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System Setup Menu Item	Description	Operation (Reference)

Backlight Setup	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.)
	
	Backlight setting includes the following two steps:
	
	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
	
	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°C or lower) environment for a long time.
	   When using the intelligent Touch Controller in a low temperature environment, it is recommended that a shorter time is set for 1. above and Disabled for 2.
		See page 33

Group Setup	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.)
	
	(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.)
	
	   Ex.: Temperature setting limit: 25 - 35°C cooling
	      If the temperature is set to 20°C with the remote control, the intelligent Touch Controller automatically changes the temperature setting to 25°C.
		See page 34

Zone Setup	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.) (Note): Setting sequential starting of groups registered for the zone 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. (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. (Memo 2): One group can be registered for more than one zone.	See pages 35 to 36

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System Setup Menu Item	Description	Operation (Reference)
Schedule Setup	Menu for setting scheduled operation by zone or by group. 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. Schedule setting includes the following steps: · Each schedule can include four types of plans: for Weekday, Day off, Special 1 and Special 2. Allocate the four types above to Weekly Setup and Calendar Setup as described below. · Weekly Setup: 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. · Calendar Setup: set days that do not fall within the range of Weekly Setup above. (Ex.: New Year's holidays, etc.) · Make Patterns Setup for the four types of plans above: for Weekday, Day off, Special 1 and Special 2. (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.	

	★ Specific Example
	1. [Floor Usage]
	  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.	

	2. Make Weekly Setup in accordance with the usage for one week of the zone above. *Set Saturday and Sunday as Day off and Tuesday to Friday as Weekday.*	See page 37
	3. Make Calendar Setup for special usage other than the weekly usage of the zone above. *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.*	See page 37

Step 2 table:

Zone name / Day of week	1F	2F	3F	
				"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"

Step 3 table:

Zone name / Day of week	1F	2F	3F	
				"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"

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System Setup Menu Item	Description	Operation (Reference)
Schedule Setup	4. [<u>Make Pattern Setup</u> for Weekday, Day off, Special 1 and Special 2.]　(Note): The patterns shown below are examples. Make settings in accordance with the actual usage.	See pages 38 to 40

Pattern Setup for Weekday

Hour	Zone concerned	Start/Stop	Operation 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

Disabled means no change.

Pattern Setup for Day off

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

Disabled means no change.

Pattern Setup for Special 1

Hour	Zone concerned	Start/Stop	Operation mode	Temperature setting	R/C mode
9:00	Zone 1F	Start	Heat	25°C	Permitted
9:00	Zone 2F	Start	Heat	25°C	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

Disabled means no change.

Pattern Setup for Special 2

Hour	Zone concerned	Start/Stop	Operation mode	Temperature setting	R/C mode
10:00	Zone 1F	Start	Heat	25°C	Permitted
10:00	Zone 2F	Start	Heat	25°C	Permitted R/C Set Point Prohibited Change Ope Mode Prohibited
10:00	Zone 3F	Start	Heat	25	Permitted R/C Set Point Prohibited Change Ope Mode Prohibited
12:00	Zone 2F	Stop	Disabled	Disabled	Disabled
13:00	Zone 2F	Start	Heat	25°C	Permitted R/C Set Point Prohibited Change Ope Mode Prohibited
14:00	Zone 3F	Stop	Disabled	Disabled	Prohibited
15:00	Zone 1F	Stop	Disabled	Disabled	Prohibited
15:00	Zone 2F	Stop	Disabled	Disabled	Prohibited

Disabled means no change.

Set whether the set schedule is enabled or disabled.

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1

System Setup Menu Item	Description	Operation (Reference)
History Display	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. 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) Up to 300 records can be made altogether.	See page 41
Touch Panel Calibration	Menu for adjusting the positions of buttons on the touch panel used as the screen of the intelligent Touch Controller. 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.	See page 41
Version information	This provides maintenance information. The menu shows the version number of the software for the intelligent Touch Controller currently used.	See page 42

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7.4.2 System Setup Menu Operation

Screen 1 Monitoring Screen

Screen 2 System Setup Menu
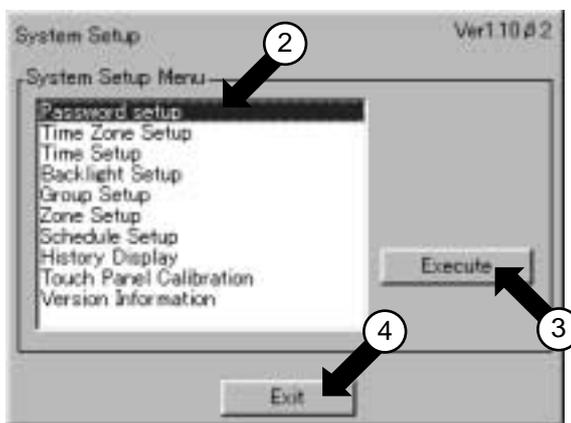
[Viewing the System Setup
Menu Screen]

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.

30

1

Screen 1 Password Setup	Password setup

Screen 1 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 Protection①.
   If Disable is selected, press the Exit button②. The setting is completed.
   If Enable is selected, Screen 2 Enter Password appears.
   Perform following operation in 4 to 7.

Screen 2 Enter Password

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 button⑤.

5. When the setting has been made, press the OK button③.
   (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.

Screen 3

7. Pressing the Exit button ⑥ completes the setting.

(Memo): To change the password, press the Modify Password button⑦and repeat the operation in 4 - 7 above.

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Screen 1 Time Zone Setup

Time Zone Setup

Time Zone

GMT+09:00: Seoul,Yakutsk,Tokyo ① ▼

Daylight Saving Time Setup:
② → ● Activate　　○ Deactivate

Begin
② [May ▼] [1st ▼] [Mon ▼] [01:00 ▼]
③

Finish
④ [Sep ▼] [2nd ▼] [Mon ▼] [01:00 ▼]

[OK]　　　[Cancel]
⑤

Screen 2 Confirmation

Changing the TimeZone will impact the functions below.
Do you want to apply the update ?
Schedule Ctrl

⑥
[OK]　　　[Cancel]

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 ⑤OK button. The screen 2, confirmation screen is displayed.

7. Read the Note in page 25, and if there is no problem with change, press ⑥OK button. Now Time Zone Setup is completed.
When not to carry out setup, press the "CANCEL" button.

⚠ Caution — 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.

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1

Screen 1 Time Setup

Time Setup   12/04/2001 11:54

Day: 12   +   -

Month: 4   +   -

Year: 2001   +   -

Hour: 11   +   -   Min 54   +   -   Sec 29   +   -

① → OK   Cancel

Screen 2 Confirmation

Changing Time Might Impact Functions Bellow Deeply
Schedule Ctrl

② → OK   Cancel
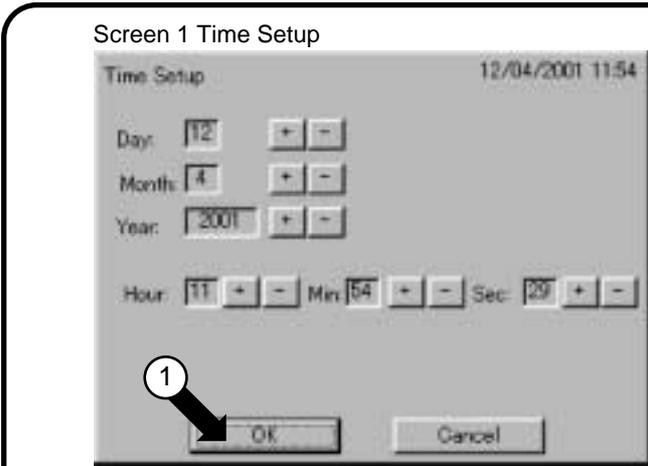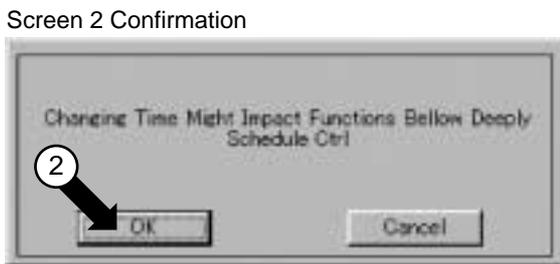
Time setup

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.

Backlight setup

Screen 1 Backlight Setup

Backlight Setup

Backlight Auto Off
◉ Enable   Auto Off Delay
◯ Disable   30 + - Min
① ①

Auto On Detect Err
◯ Enable   ◉ Disable
③   ③

OK   Cancel
④
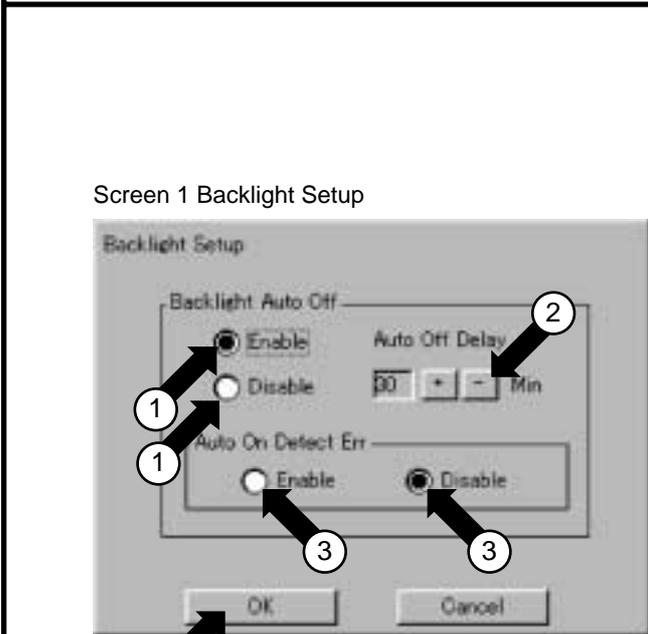
1. Select Backlight Setup as described on page 30.

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.)

33

Screen 1 Group Setup

Group Setup

Group Setup	Group Detailed Information
1F North	Name
1F West	1F North
1F south	
1F East	Description
2F No	DAIKIN INDUSTRIES LTD
2F W	
2F south	Icon
2F East	Type In/Unit
3F North	
3F st	
th	Down
3F	OK Cancel

Modify name

Modify Description

Icon Up Dn

Temperature Limits

Screen 2 Enter Group Name

Please enter Group Name

1F North

BackSpace

1 2 3 4 5 6 7 8 9 0 - =
q w e r t y u i o p [ ] ¥
a s d f g h j k l ; '
z x c v b n m < > /

Lwr Case Space

← → ⇐ ⇒

OK Cancel

Screen 3 Temp Limit

Group:1F North Temp Limit

Limits Setup

○ Yes ○ No

Cooling(Lower) 20 - 0 ℃
Cooling(Upper) 35 - 0 ℃
Heating(Lower) 15 - 0 ℃
Heating(Upper) 30 - 0 ℃

OK Cancel

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 <u>enter the name in such a way that it is contained in the area ③.</u>
   (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.)

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1

Screen 1 Zone Setup

Zone Setup

Zone Detailed Information
Name   Modify name ③ ⑩
Office
                                        Modify descripti ⑩
Description
DAIKIN INDUSTRIES LTD

Icon   Up | Dn ⑪

② All
Office
Canteen
Meeting
1F
2F
3F   Interval Start ○ Enable ○ Disa ⑪
                                        Interval   2   + | – ⑬
                           Down   ② registered Group ⑭

Add | Remove   OK   ⑭

① ⑫ ⑬ ②①

Screen 2 Enter Group Name

Please enter Zone Name

Office   BackSpace

1 2 3 4 5 6 7 8 9 0 – =   ⑦
q w e r t y u i o p [ ] #
a s d e h j k l ; '
z x v b n m < > /   ⑥

Lwr Case ▼   Space

                           ← → <= =>   ⑧ ⑨

OK   Cancel

⑤

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 button①. 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 button③. 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 area④.
   (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 button⑤. 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 – button⑬.

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

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Screen 3 Registered Groups Edit

Zone setup 2

8. 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.

9. Press the OK button ㉑.
 (To cancel the setting, press the Cancel button.)

36

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. <u>No setting can be made while the schedule is enabled.</u>

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 button⑦. 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.

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Screen 4 Schedule Pattern Setup
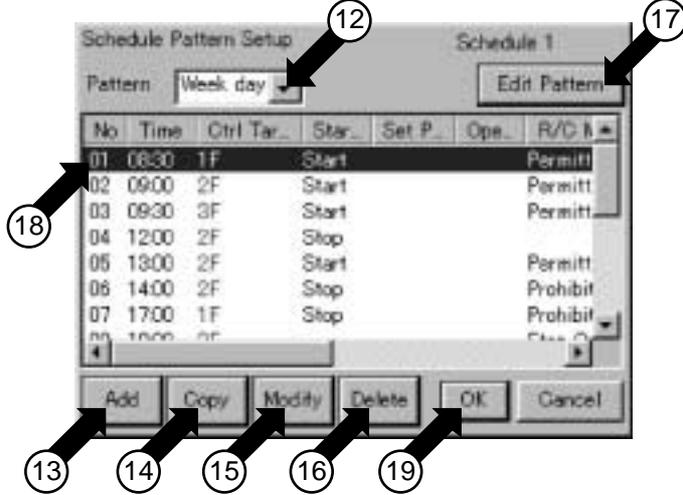
Screen 5 Scedule Pattern Edit
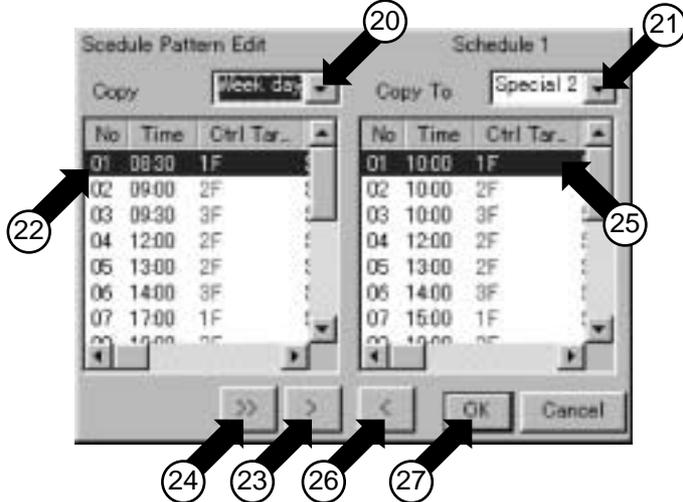
7. Select Pattern Setup with ③ on Screen 1 shown on the previous page.
Screen 4 Schedule Pattern Setup appears. On this screen, set the actual scheduled operation for four types of plans for Weekday, Day off, Special 1 and Special 2.
First, select with the pull-down menu ⑫ the days out of the four above 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.) B
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 ㉖ is for deleting what is copied by mistake. Select with ㉕ the operation copied by mistake and press the < button ㉖.
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.

38

1

Screen 6 Event Setup

Schedule Setup: Event Setup

Event Time	0830
Control Target	1F
Start/Stop	Start
Set Temp	25.0℃
Ope Mode	Cool
R/C	Prohibited

Modify

Modify

Start

Ignore   Modify

Cool

Prohibited

R/C Set Temp — ◉ Yes ○ No

Change Ope Mode — ◉ Yes ○ No

OK   Cancel

(28) (29) (30) (31) (32) (33) (34) (35) (36) (37)

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.

39

Screen 7 Schedules Edit

Schedules Edit

Content Overwrite All   ⑩   Apply ④①

from Schedule   to Schedule

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

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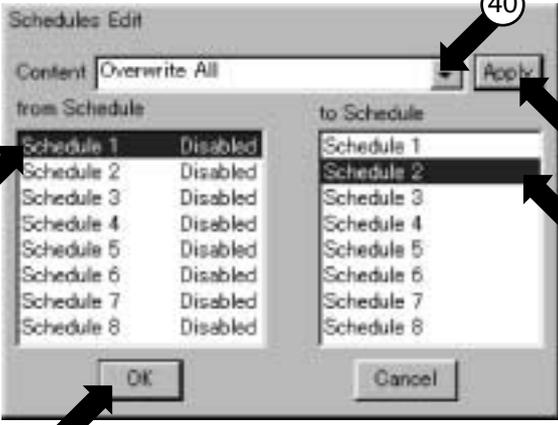
9. This section describes useful functions for making settings by the schedule, copying to other schedule or deleting.

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 ⑩ 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 ④①.
The press the OK button ㊷ 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 ⑩ 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 ④①.
The press the OK button ㊷ 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.

40

1

Screen 1 History Display

```
History Display        Mask  All History
                1 / 1Page
12/04/2001 11:29:32  1F south   1-02 Err Code: UA, Er
12/04/2001 11:29:37  1F south   1-02 Err Code: UE, Er
12/04/2001 11:29:43  1F south   1-02 Restored , Err T
12/04/2001 11:30:16  1F south   1-02 Err Code: UE, Er
12/04/2001 11:30:22  1F south   1-02 Restored , Err T
12/04/2001 11:43:45  Group      1F south Modify Desc
12/04/2001 11:54:01  Passwo..   Password Setup
28/04/2001 12:01:24  Time Se..  Restore Time 2001/0-
28/04/2001 12:01:51  Time Se..  Restore Time 2001/0-
13/04/2001 11:45:53  System     Start Up GUI Debug f

   Latest Refresh                        Exit
```

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

Carefully press and briefly hold on the center of the Cursor. Repeat as the target moves around the screen.

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.

41

Screen 1 Version Information

Version Information

Product Version   : Ver1.00
System Version   :
Firmware Version   : Ver0

Exit

① 1

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.

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7.5   Maintenance

7.5.1   Maintenance

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.

7.5.2   When Leaving the Product Turned OFF for 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.)
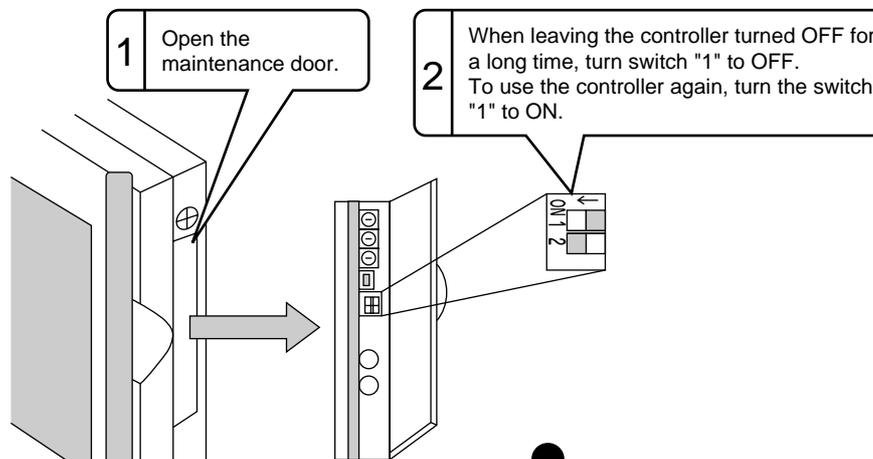
1 Open the maintenance door.

2 When leaving the controller turned OFF for a long time, turn switch "1" to OFF.
To use the controller again, turn the switch "1" to ON.

intelligent Touch Controller

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.).

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7.6 Troubleshooting

7.6.1 Before Having the Product Serviced

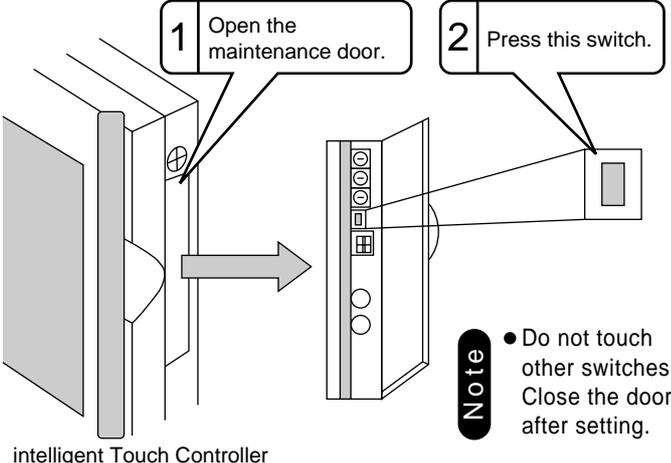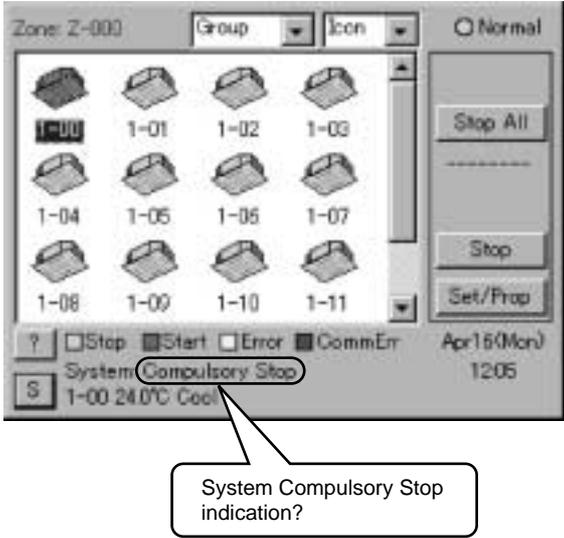| Item	Description and Corrective Action
The screen of the intelligent Touch Controller does not change from the display shown below. Now Initializing Please wait.	The screen shown on the left is the initial screen generally shown when the power of the intelligent Touch Controller is turned OFF and back ON. Usually, this screen is switched to the Monitoring screen in 2 - 3 minutes. 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.
The display of the intelligent Touch Controller has gone out.	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. Touch the screen with the pen provided. The display comes back on.
The backlight does not go out when Backlight auto OFF is set.	Backlight Auto OFF is a function to automatically turn the backlight OFF if it is left untouched for a certain time. If the display is Set/Prop, System Setup, etc., the light does not go out automatically.
The intelligent Touch Controller cannot be operated or monitoring is not available.	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.) 1 Open the maintenance door. 2 Press this switch. intelligent Touch Controller 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.).

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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 sigh 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.)

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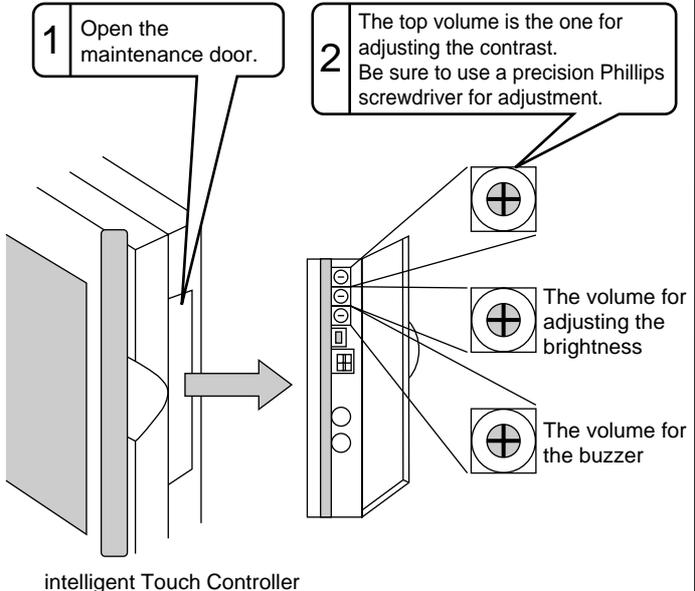| Item	Description and Corrective Action
Collective Operation, Start and Stop buttons are not shown on the Monitoring screen of the intelligent Touch Controller and operation of air conditioners is made impossible.	Is the indication System Ctal Mng on the Monitoring screen, as shown below? This indication is shown in the following cases. 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. 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. When the setting is released, the System Ctal Mng indication disappears and operation with the intelligent Touch Controller becomes available. System Ctal Mng indication? Pressing the Set/Prop button on the screen shown above shows the screen below, which displays detailed information on air conditioners. Operation of air conditioners is not available.

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Item	Description and Corrective Action
Collective Operation, Start and Stop buttons are not shown on the Monitoring screen of the intelligent Touch Controller and operation of air conditioners is made impossible.	Is the indication System Compulsory Stop on the Monitoring screen, as shown below? This indication is shown in the following cases. 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. When the compulsory stop input command is canceled, the System Compulsory Stop disappears, which allows control with the intelligent Touch Controller. System Compulsory Stop indication? Pressing the Set/Prop button on the screen shown above shows the screen below, which displays detailed information on air conditioners. Operation of air conditioners is not available. (Operation other than starting (changing temperature setting, etc.) can be performed with the remote control.)

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7.6.2   Emergency Procedure for intelligent Touch Controller Failure

Item	Description and Corrective Action
Failure occurs in the intelligent Touch Controller while the remote control is disabled with the intelligent Touch Controller and start/stop setting, etc. of air conditioners cannot be made.	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.)

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7.6.3 Difficuly in Viewing

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Item	Description and Corrective Action
Viewing the intelligent Touch Controller screen is difficult and contrast adjustment is required.	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. If it is not easy to view the screen due to the actual installation conditions or ambience temperature, adjust the contrast as shown below. [Adjusting the Contrast] Open the maintenance door on the right side of the intelligent Touch Controller. Turn with a precision Phillips screwdriver the volume shown in the figure below until it is easy to view the screen. 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. intelligent Touch Controller 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.).

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8. Error Diagnostic Functions

Run lamp	Check indication	Unit No.	Error code	Error
Flickering	Flickering	Flickering	A0	Indoor unit εExternal protection device error
Flickering	Flickering	Flickering	A1	Indoor unit εPCB assembly failure
Illuminated	Turned OFF	Flickering	**A1**	Indoor unit εPCB assembly failure
Flickering	Flickering	Flickering	A3	Indoor unit εDrain level system error (33H)
Flickering	Flickering	Flickering	A6	Indoor unit εFan motor (51F) locked, overload
Illuminated	Turned OFF	Flickering	**A7**	Indoor unit εWind direction adjusting motor (MA) error
Flickering	Flickering	Flickering	A9	Indoor unit εElectronic expansion valve drive (20E) error
Illuminated	Turned OFF	Flickering	**AF**	Indoor unit εFaulty drain
Flickering	Flickering	Flickering	AH	Indoor unit εNo-maintenance filter error
Illuminated	Turned OFF	Flickering	**AH**	Indoor unit εDust collector error
Flickering	Flickering	Flickering	AJ	Indoor unit εCapacity setting error
Flickering	Flickering	Flickering	C4	Indoor unit εLiquid pipe thermistor (Th2) error (insufficient contact/disconnection/short circuit/fault)
Flickering	Flickering	Flickering	C5	Indoor unit εGas pipe thermistor (Th3) error (insufficient contact/disconnection/short circuit/fault)
Flickering	Flickering	Flickering	C9	Indoor unit εSuction air thermistor (Th1) error (insufficient contact/disconnection/short circuit/fault)
Illuminated	Illuminated	Illuminated	**CJ**	Indoor unit εRemote control sensor error
Flickering	Flickering	Flickering	E0	Indoor unit εProtection device activated
Flickering	Flickering	Flickering	E1	Outdoor unit εPCB assembly failure
Illuminated	Turned OFF	Flickering	**E1**	Outdoor unit εPCB assembly failure
Flickering	Flickering	Flickering	E3	Outdoor unit εOutdoor unit high pressure switch activated
Flickering	Flickering	Flickering	E4	Outdoor unit εOutdoor unit low pressure switch activated
Flickering	Flickering	Flickering	E9	Outdoor unit εOutdoor unit electronic expansion valve drive (20E) error
Illuminated	Turned OFF	Flickering	**EC**	Heat source unit εInlet water temperature interlock activated (Air operation)
Flickering	Flickering	Flickering	EF	Outdoor unit εOutdoor unit ice thermal storage unit error
Flickering	Flickering	Flickering	F3	Outdoor unit εOutdoor unit discharge pipe temperature error
Illuminated	Turned OFF	Flickering	**H3**	Outdoor unit εOutdoor unit high pressure switch activated
Flickering	Flickering	Flickering	H4	Outdoor unit εOutdoor unit low pressure switch activated
Flickering	Flickering	Flickering	H9	Outdoor unit εOutdoor unit air thermistor (Th1) error (insufficient contact/disconnection/short circuit/fault)
Illuminated	Turned OFF	Flickering	**H9**	Outdoor unit εOutdoor unit air thermistor (Th1) error (insufficient contact/disconnection/short circuit/fault)
Illuminated	Turned OFF	Flickering	**HC**	Outdoor unit εOutdoor unit water temperature sensor system error
Illuminated	Turned OFF	Flickering	**HF**	Ice thermal storage unit error εIce thermal storage controller error/outdoor unit error while ice thermal storage is in operation
Flickering	Flickering	Flickering	HJ	Outdoor unit εWater system error
Flickering	Flickering	Flickering	J1	Outdoor unit εPressure sensor error
Flickering	Flickering	Flickering	J3	Outdoor unit εDischarge pipe thermistor (Th3) error (insufficient contact/disconnection/short circuit/fault)
Illuminated	Turned OFF	Flickering	**J3**	Outdoor unit εDischarge pipe thermistor (Th3) error (insufficient contact/disconnection/short circuit/fault)
Flickering	Flickering	Flickering	J5	Outdoor unit εSuction pipe thermistor (Th4) error (insufficient contact/disconnection/short circuit/fault)
Flickering	Flickering	Flickering	J6	Outdoor unit εHeat exchanger thermistor (Th2) error
Illuminated	Turned OFF	Flickering	**J6**	Outdoor unit εHeat exchanger thermistor (Th2) error (insufficient contact/disconnection/short circuit/fault)
Flickering	Flickering	Flickering	JA	Outdoor unit εDischarge pipe pressure sensor error
Flickering	Flickering	Flickering	JC	Outdoor unit εSuction pipe pressure sensor error
Illuminated	Turned OFF	Flickering	**JH**	Outdoor unit εOil temperature sensor error
Flickering	Flickering	Flickering	L0	Outdoor unit εInverter system error
Flickering	Flickering	Flickering	L4	Outdoor unit εInverter cooling error
Flickering	Flickering	Flickering	L5	Outdoor unit εCompressor motor earth fault, short circuit, power unit short circuit
Flickering	Flickering	Flickering	L6	Outdoor unit εCompressor motor earth fault, short circuit
Flickering	Flickering	Flickering	L8	Outdoor unit εCompressor overload, compressor motor disconnection
Flickering	Flickering	Flickering	L9	Outdoor unit εCompressor locked
Flickering	Flickering	Flickering	LA	Outdoor unit εPower unit error
Flickering	Flickering	Flickering	LC	Outdoor unit εCommunication 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

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Run lamp	Check indication	Unit No.	Error code	Error
Illuminated	Turned OFF	Flickering	**P0**	Low gas (thermal storage)
Flickering	Flickering	Flickering	P1	Outdoor unit ᴇPower voltage imbalance, open phase
Flickering	Flickering	Flickering	P4	Outdoor unit ᴇPower unit temperature sensor error
Illuminated	Turned OFF	Flickering	**U0**	Insufficient coolant ᴇLow pressure drop due to electronic expansion valve error, etc.
Flickering	Flickering	Flickering	U1	Negative phase ᴇOpen phase
Flickering	Flickering	Flickering	U2	Power voltage failure ᴇInstantaneous power failure
Flickering	Flickering	Flickering	U4	Communication error between indoor unit and outdoor ᴇBS 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.