Includes:

Part 1.6 - Intelligent Touch Controller Operation Manual
Part 3 - Intelligent Touch Controller Web Software Operation Manual
Part 4 - Questions and Answers
## 6. Operation Manual

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</table>
6.2 Air Conditioner Operation

6.2.1 Starting/Stopping Operation Collectively

To start / stop the operation of all devices connected

Start or stop collectively the operation of devices connected.

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

[Procedure]

1. On Screen 1 Monitoring, press the [Start All] button ① or [Stop All] button ②.
2. Screen 2 Confirm appears. Press the [OK] button ③.
   (To exit without activating collective start or stop, press the [Cancel] button.)
6.2.2 Starting/Stopping Operation by the Group

To start / stop the operation of devices by group

Start or stop the operation of air conditioners by group.
The example on the left shows the screen for starting / stopping the operation of Group Name : 1F North registered for Zone Name : Canteen.

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

Air conditioner group to be started or stopped

Zone Name
- Canteen
  - 1F North
  - 1F West
  - 1F South
  - 1F East
  - 2F North
  - 2F West
  - 2F South
  - 2F East
  - 3F North
6.2.3 Starting/Stopping Operation by the Zone

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.

Zone Name
Collective Zone

Canteen
Meeting
1F
2F
3F

Air conditioner group to be started or stopped

[Procedure]

1. On Screen 1 Monitoring, select a zone from the button (1).

2. Select the zone of which the operation is to be started / stopped as shown in (2).

3. Press the [Start] button (3) or [Stop] button (4).
6.2.4 Switching the Operation Mode

Switch the operation mode of the air conditioner.

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

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

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

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

[Procedure]

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

Ex.: For the following zone setting, the operation modes available are Fan, Cool, Heat and Auto.

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

<table>
<thead>
<tr>
<th>Zone name</th>
<th>Group name</th>
<th>Operation modes available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canteen</td>
<td>1F North</td>
<td>“Cool” “Air”</td>
</tr>
<tr>
<td></td>
<td>1F West</td>
<td>“Cool” “Heat”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>“Auto” “Air”</td>
</tr>
</tbody>
</table>
6.2.5 Changing the Temperature Setting

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 button 1.
2. Select a zone or a group of which the temperature setting is to be changed 2.
3. Press the [Set] button 3.

Screen 2 Operation appears.


Set Temperature dialog is displayed and input temperature for setting.

Ex.: For the following zone setting, the temperature settings available are between 68°F and 86°F inclusive.

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.

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.

Press the [OK] button 5.

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

Ex.: For the following zone setting, the temperature settings available are between 68°F and 86°F inclusive.

<table>
<thead>
<tr>
<th>Zone name</th>
<th>Group name</th>
<th>Range of temperature settings available (see Note)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canteen</td>
<td>1F North</td>
<td>11 to 86°F</td>
</tr>
<tr>
<td></td>
<td>1F West</td>
<td>68 to 77°F</td>
</tr>
</tbody>
</table>

When the temperature setting is 86°F, the actual temperature settings for air conditioners are as shown below:

<table>
<thead>
<tr>
<th>Group name</th>
<th>Temperature setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1F North</td>
<td>86°F</td>
</tr>
<tr>
<td>1F West</td>
<td>77°F</td>
</tr>
</tbody>
</table>

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 60
6.2.6 Resetting the Filter/Element Sign

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

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

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

**[Procedure]**

1. On Screen 1 Monitoring, select a zone or a group from the button ①.
2. Select a zone or a group of which the filter or element sign is to be reset ②.
3. Press the [Set] button ③. Screen 2 Operation appears.
5. To reset the filter / element sign, select "Filter Sign Reset" in pull-down menu ⑤. Then press the [OK] button ⑥. To cancel the setting, press the [Cancel] button. Screen 2 Operation reappears.
6. Then press the [OK] button ⑦ on Screen 2 Operation. To cancel the setting, press the [Cancel] button.
6.2.7 Changing the Direction/Fan Speed

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 button ①.
2. Select a zone or a group of which the fan direction or volume is to be reset ②.
3. Press the [Set] button ③. Screen 2 Operation appears.
5. Set the direction with the pull-down menu ⑤.
   (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.
   Select between High and Low with the pull-down menu 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.)

Note: Guidelines for wind direction value and actual direction

0 4 5 6 7: Wind direction auto swing
6.2.8 Changing the Range of Operation Allowed with Remote Control

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

On the Monitoring screen, operation is allowed with either Icon or List as the display type. The setting between Permitted and Prohibited can be changed by zone or by group.

**[Procedure]**

1. On Screen 1 Monitoring, select a zone or a group from button 1.
2. Select with 2 a zone or a group for which the setting of the range of operation allowed with remote control is to be reset.
5. Then make setting with the pull-down menus 5 - 7. There are three settings as shown below:
   - **Start/Stop**
     - "Prohibited": The remote control cannot start or stop operation.
     - "Stop Only": The remote control can start or stop operation.
     - "Permitted": The remote control can change the operation mode.
     - "No change": The remote control cannot change the operation mode.
   - **Operation Mode**
     - "Permitted or Prohibited": The remote control can start or stop operation.
     - "No change": The remote control cannot start or stop operation.
   - **Set Point**
     - "Permitted or Prohibited": The remote control can change the temperature setting.
     - "No change": The remote control cannot change the temperature setting.

Press the [OK] button 8 after setting 5 - 7.
(To cancel the setting, press the [Cancel] button. Screen 2 Operation reappears.

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

**[Details of Setting]**

<table>
<thead>
<tr>
<th>Item</th>
<th>Setting</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start/Stop</td>
<td>Prohibited</td>
<td>The remote control cannot start or stop operation.</td>
</tr>
<tr>
<td></td>
<td>Stop Only</td>
<td>The remote control can stop the operation of air conditioners in operation but cannot start air conditioners not in operation.</td>
</tr>
<tr>
<td></td>
<td>Permitted</td>
<td>The remote control can start or stop operation.</td>
</tr>
<tr>
<td></td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>Operation</td>
<td>Permitted</td>
<td>The remote control can change the operation mode.</td>
</tr>
<tr>
<td>Mode</td>
<td>Prohibited</td>
<td>The remote control cannot change the operation mode.</td>
</tr>
<tr>
<td></td>
<td>Permitted</td>
<td>The remote control can change the temperature setting.</td>
</tr>
<tr>
<td></td>
<td>Prohibited</td>
<td>The remote control cannot change the temperature setting.</td>
</tr>
<tr>
<td>Fan Speed</td>
<td>Low</td>
<td></td>
</tr>
<tr>
<td>Fan Direction</td>
<td>Low</td>
<td></td>
</tr>
<tr>
<td>Filter Sign</td>
<td>OFF</td>
<td></td>
</tr>
</tbody>
</table>

Press the [Set] button 4.
6.2.9 Set Ventilation Mode

Perform the following procedure to switch the ventilation mode.
For this operation, you can select any of three display types, icon, detailed icon and list on the monitoring screen.
When changing the ventilation modes of all the ventilation groups of a zone, select the zone and switch the ventilation mode.
When changing the ventilation mode of a group, select the group and switch the ventilation mode.

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

To cancel above settings, press [Cancel] button.

* Note that some models of ventilation systems permit you to make the above settings but the others don't.
6.2.10 Set Ventilation Volume

Perform the following procedure to change the ventilation volume.
For this operation, you can select any of three display types, icon, detailed icon and list on the monitoring screen.
When changing the ventilation volumes of all the ventilation groups of a zone, select the zone and switch the ventilation volume.
When changing the ventilation volume of a group, select the group and switch the ventilation volume.

[Procedure]

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

* Note that some models of ventilation systems permit you to make the above settings but the others don't.
6.2.11 Permit/Inhibit setting of Ventilation Remote Control Operations

Perform the following procedure to enable or disable the ventilation remote control operations.
For this operation, you can select any of three display types, icon, detailed icon and list on the Monitoring Screen.
You may enable or disable the remote control operations in units of zones or groups.

[Procedure]

1. On the Monitoring Screen Screen 1, select a zone or group by pushing the button ①.

2. To select a zone or group subject to ventilation volume switching, push the icon ②.

3. Push [Set] button ③ to display the Set Screen Screen 2.


5. Make a desired setting on the pull-down menu ⑤.
You can enable or disable the following setup items for remote control:
- Disabling remote control operations
- Enabling only stop operation
- Assigning priority to button pushed later

After making the setting, push [OK] button ⑥ to display the Set Screen Screen 2 again.
(To cancel above settings, push [Cancel] button)

(To cancel above settings, push [Cancel] button)

* Note that some models of ventilation systems permit you to make the above settings but some models don't.
6.3 Monitoring Operation of Air Conditioner

6.3.1 Monitor Zone or Group Operation Status

To monitor the operation status, the monitoring screen permits you to choose any of three display types, icon, detailed icon or list.

Push the button \( \text{[Select Display Type]} \) to select a display type. Display type selection takes place repeatedly in the order of icon, detailed icon and list.

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

Examples of display types are shown in left figures.

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

### Descriptions of Display Items on the Screen

At ① displays information concerning a zone or group, including the operation active or inactive status and the presence/absence of faults, automatic control settings, filters and element signs, etc.

Push the button ④ to change a display scope.

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

Display of ⑤ indicates a legend.

When requiring a more detailed legend, display the Legend Description Screen Screen 4 on the next page by pushing the \( \text{[Legend]} \) button ⑥.

To return to the previous screen, push Close button.

⑥ displays the current zone or group. You may select another zone or group by pushing the screen.

On Screen 1, ⑦ displays the settings of the zone or group selected at ⑥. (Icon display only) Display takes place in the following order:

- **Upper**: Detailed name for a zone or group
- **Lower left**: Setting temperature
  - For a zone, this also indicates the temperature set for the representative machine (Note).
- **Lower right**: Operation mode
  - For a zone, this also indicates the operation mode for the representative machine. (Note)

When an error occurs, the corresponding error code is indicated in the lower area.
At ⑩, you can monitor at a glance the operation status of all air-conditioners connected to the intelligent Touch Controller.

When no problem is found and one or more air-conditioners are operating: Display in red
When no problem is found and air-conditioners are not operating: Display in green
When one or more wrong air-conditioners are found: Display in yellow
When one or more air-conditions with communication errors are found: Display in blue

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

(See page 66 (EM05A058: Page 64) for Icon color setting.)

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

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

⑪ displays the operation status of an air-conditioner.
For zone list display, display takes place as shown below.

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

(You may change the colors indicating the operation active or inactive status through the use of Icon Color Setting on the System Setting menu.
(See page 66 (EM05A058: Page 64) for Icon color setting.)

⑪ provides for icon or detailed icon display.
⑫ provides for list display.

(Machines subject to automatic control are displayed only when schedule settings are made.
They cannot be displayed when Heating Mode Optimization or Temperature Limit has been set.)
6.3.2 Monitoring Detailed information

Monitor Operation Status of a Zone or Group in Detail

When monitoring the operation status in detail, you may choose any of three display types, icon, detailed icon and list.

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

1. Select either Zone or Group by pushing the button 1.
   (Note that screens in the left-hand column are examples for group selection.)

2. Push [Set] button 2 to display the Operation Screen Screen 2.
   When a zone is selected in the above operation, both 3 to 5 on Screen 2 and 6 to 12 on Screen 3 show the operation status of the representative machine in that zone. 13 displays ON so long as at least one of the filter signs or element signs is on in the zone or group.
   The following describes in order the contents of display data on Screen 2.
   The grayed characters in 3 to 5 indicate the current status of the selected zone or group.
   The meanings of screen data in the left-hand column are shown below.
   Operation/stop status : Start
   Operation mode setting status: Cool
   Temperature setting status : 68°F

3. Push [Advanced Operation] button 7 to display the Advanced Operation Screen Screen 3.
   To return to the Monitoring Screen Screen 1, push [Cancel] button 8.
   The following describes in order the contents of display data on the Advanced Operation Screen Screen 3.
   9 displays the settings made for start and stop remote control operations.
   Prohibited, Stop Only or Permitted is displayed.
   10 displays the settings made for remote control operations to change the operation mode.
   Either Permitted or Prohibited is displayed.
   11 displays the settings for remote control operations to change the setting temperature.
   Either Permitted or Prohibited is displayed.
   12 displays the settings for remote control operations to change the setting temperature.
   Either Permitted or Prohibited is displayed.
   13 displays the direction of wind.
   A value from 1 to 7 is displayed.
   Wind flows more vertically as the setting value becomes larger in a range from 0 to 6. When the setting value 7 is displayed, the direction of wind is swung automatically.
   Note that these descriptions may vary from model to model.
   Check for a wind direction displayed on the remote control.
   14 displays a filter sign.
   Either ON and OFF is displayed.
   * Display data on Screens 2 and 3 is updated each time the respective screens are displayed.
   Once these screens are displayed, no data is updated unless they are closed and opened again.

4. Check the settings and push [Cancel] button 15.

"Screen 1 Monitoring (Icon Display)
Screen 2 Operation Screen
Screen 3 Advanced Operation Screen"
5. Push [Prop] button ⑮. The following maintenance data is displayed on the Detailed Information Screen Screen 5. (Note that screens in the left-hand column are examples for group selection.)

[For group selection]
Name : Group name
Detailed name : Detailed group name
Type : Air-conditioner / ventilation / D3Di / D3Dio
D3 Address : 1:1-00 to 1:4-15
(When DIII-NET Plus adapter is enabled:
1:1-00 to 2:4-15
Schedule Setup : Enabled or disabled
Heating Optimization : Enabled or disabled
Temperature Limit : Enabled or disabled
Change Over Settings : Enabled or disabled
Slv R / C : Parent or child
Cool / Heat Option : Presence / Absence / Under Selection
Ou / Unit Addr : Outside unit address
Err Code : 2-digit error code in case of error occurrence
Err Unit No : [–] for no error or unit number for error

6. Push [Abnormal history] button ⑯ to display the Abnormal History Screen (Screen 6).

The following data is displayed on the Abnormal History.

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

[For zone selection]
Name : group name
Error log :
- Time : Error occurrence time
- Name : Error occurrence group name
- Err Code : 2-digit error code
- Err Code No : Unit number

Top 10 error logs are displayed, assigning the highest priority to the time of the latest error.
- When the same error recurs, the error time is renewed.

Check for display data and push [Close] button ⑰ to return to the detailed information screen Screen 5. To return to the Monitoring Screen Screen 4, push [Close] button ⑱ on that screen.
Monitor Ventilation Status of a zone or group in detail

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

1. Select either Zone or Group by pushing the button ①.
   (Note that screens in the left-hand column are examples for group selection.)

2. Push [Set] button ② to display the Operation Screen Screen 2.
   The following describes in order the contents of display data on Screen 2.
   The grayed characters ④ and ⑤ indicate the current status of the selected zone or group.
   The following data is displayed on the screen of the left-hand column.
   Ventilation mode : Heat Exchange
   Ventilation volume : Strong (Fresh up)

3. Push the [Advanced Operation] button ⑥ to display the Advanced Operation screen Screen 3.
   To return to the Monitoring Screen Screen 1, push [Cancel] button ⑨.
   The following describes in order the contents of display data on the Advanced Operation screen Screen 3.
   ⑦ displays the settings made for start- or stop-related remote control operations.
   Prohibited, Stop Only or Permitted is displayed.
   ⑧ displays a filter sign.
   ON or OFF is displayed.

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

When monitoring the operation status in detail, you may choose any of three display types, icon, detailed icon and list.
6.3.3 To set/release the lock of screen operation

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

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

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

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

[Unlock method]
3. While the lock icon is displayed, push the button , Air-conditioner Operation button or System Operation button to display the Password to release lock Screen 3.
4. Enter the password assigned for unlock password protection on page 57. [Lock method]
   3 : Toggle button for switching uppercase letters to lowercase letters
   4 : Correction button for characters entered by hitting the incorrect keys. When deleting one or more incorrect characters just immediate before the cursor, you must push this button as many times as necessary.
   5 : Button for moving the cursor. After entering the password, push OK button.
   6 : Button for moving the cursor. After entering the password, push OK button and return to the Monitoring Screen Screen 1.

To cancel the entered password, push Cancel button and return to the Monitoring Screen Screen 1.
### 6.4 System Setup Menu

#### 6.4.1 System Setup Menu

The System Setup menu includes the following items:

<table>
<thead>
<tr>
<th>System menu</th>
<th>Atm Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Password Setup</td>
<td>● Schedule Setup</td>
</tr>
<tr>
<td>● Time setup</td>
<td>● Change Over Settings</td>
</tr>
<tr>
<td>● Backlight Setup</td>
<td>● Temperature Limit Settings</td>
</tr>
<tr>
<td>● Zone / Group list</td>
<td>● Heating Optimization Settings</td>
</tr>
<tr>
<td>● Locale setting</td>
<td>● Setting of E-mail</td>
</tr>
<tr>
<td>● Network setting</td>
<td>● Simple linkage Setup</td>
</tr>
<tr>
<td>● Setting of icon color</td>
<td></td>
</tr>
<tr>
<td>● Activation key input</td>
<td></td>
</tr>
<tr>
<td>● History Display</td>
<td></td>
</tr>
<tr>
<td>● Touch Panel Calibration</td>
<td></td>
</tr>
<tr>
<td>● Version Information</td>
<td></td>
</tr>
<tr>
<td>● Web Server Setup</td>
<td></td>
</tr>
</tbody>
</table>

The following table describes the items mentioned above.

<table>
<thead>
<tr>
<th>System Setup Menu Item</th>
<th>Description</th>
<th>Operation (Reference)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setting a Password</td>
<td>You can set passwords to restrict persons responsible for control operations. 1. Assigning administrator passwords 2. Assigning unlock passwords (When both passwords have been assigned, you have to reset them twice to resume the system menu operations. Notes: When you forget the assigned passwords, you cannot perform any system operations. Don't forget the passwords. When you don't remember them, contact a dealer in your area.)</td>
<td>See page 57</td>
</tr>
<tr>
<td>Time Setup</td>
<td>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] 1. 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. 2. 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.</td>
<td>See page 58</td>
</tr>
</tbody>
</table>
### System Setup Menu Item

<table>
<thead>
<tr>
<th>Description</th>
<th>Operation (Reference)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Backlight Setup</strong></td>
<td>See page 59</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td><strong>Zone / Group Setup</strong></td>
<td>See page 60</td>
</tr>
<tr>
<td>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. During use of DIII plus adaptor, addresses are 128, 1:1-00 to 2:4-15. (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 : 68 - 90°F cooling If the temperature is set to 68°F with the remote control, the intelligent Touch Controller automatically changes the temperature setting to 77°F.</td>
<td></td>
</tr>
<tr>
<td>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 &quot;Collective,&quot; 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.</td>
<td>See pages 61 to 62</td>
</tr>
</tbody>
</table>
### System Setup Menu Item

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
<th>Operation (Reference)</th>
</tr>
</thead>
</table>
| Locale Setting             | This menu permits you to select a language from the list displayed on the intelligent Touch Controller.  
By setting locale, you can display data in the selected language on the intelligent Touch Controller.                                      | See page 62           |
| Network Setting            | This menu permits you to set an IP address for the intelligent Touch Controller.  
(Remarks): When using a Web function (option), you have to set the IP address, subnet mask, etc. according to the environmental requirements of your system.   | See page 63           |
| Icon Color Setting         | This menu permits you to change the icon colors on the intelligent Touch Controller.  
Icons on the monitoring screen are displayed in the colors set on this menu.                                                                   | See page 64           |
| Input Activation Key       | You have to input the activation key to use various options of the intelligent Touch Controller.  
If necessary, you can check the current activation or add the new activation.  
This setting is usually done by sales engineer of our company.                                                                               | See page 65           |
| Web Server Setting         | This setting is done when using a Web software (option).  
It permits you to change the Port number of the Web server.                                                                                   | See page 65           |
This menu permits you to make settings for the scheduled operations in units of zones or groups. The scheduled operations are used to automatically start or stop an air-conditioner at the date and time (year, month, day, day of the week, hour and minute) previously set in the intelligent Touch Controller according to the operating conditions of the air-conditioner.

The following operations can be scheduled and controlled:
- Start/stop
- Remote control enabled/disabled
- Operation mode
- Temperature setting
- Ventilation mode
- Ventilation volume

* Note that these settings cannot be made depending on the model in use.

The following describes a procedure for setting the schedule.

- 17 kinds of dates can be registered including the weekly settings (Sunday to Saturday) and special settings (Ex1 to Ex10). These 17 kinds of dates are registered via following Setting Calendar menu. When registering them in setting calendar, you can register 11 kinds of dates including one weekly setting (because settings from Sunday to Saturday are used as a single setting) and 10 special settings (Ex1 to Ex10).
- Calendar settings, weekly settings and special settings can be made. (Example: The weekly settings are made for regular use and special settings are made for summer holiday.) These settings can be made for the coming 13 months.
- Lastly, concrete events can be registered on the respective 17 kinds of dates for which 7 weekly settings (Sunday to Saturday) and 10 special settings (Ex1 to Ex10) have been made. (Example: Setting for starting zone 1 at 9:00 and stopping it at 17:00) A maximum of 16 operations can be registered for each date.
- A maximum of 8 schedules can be registered when the above settings are handled as a single schedule.

The following describes how to make the settings, showing a few examples.

1. **[Utilization of floors]**
   - 1F : Reception Register "1F" as a zone name.
   - 2F : Office Register "2F" as a zone name.
   - 3F : Canteen Register "3F" as a zone name.

2. **[Make the weekly and special settings on the setting calendar menu for the above zones]**

<table>
<thead>
<tr>
<th>Day of the week</th>
<th>Zone name</th>
<th>Zone 1F</th>
<th>Zone 2F</th>
<th>Zone 3F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday</td>
<td>Holiday</td>
<td>Holiday</td>
<td>Holiday</td>
<td></td>
</tr>
<tr>
<td>Monday</td>
<td>9:30 to 18:00: Working hours</td>
<td>8:30 to 17:00: Working hours</td>
<td>2:00 to 13:00: Lunch hour</td>
<td>17:00 to 22:00: Overtime</td>
</tr>
<tr>
<td>Tuesday</td>
<td>Same as above</td>
<td>Same as above</td>
<td>Same as above</td>
<td></td>
</tr>
<tr>
<td>Wednesday</td>
<td>9:30 to 17:00: Working hours</td>
<td>Same as above</td>
<td>Same as above</td>
<td></td>
</tr>
<tr>
<td>Thursday</td>
<td>Same setting as for Monday</td>
<td>Same as above</td>
<td>Same as above</td>
<td></td>
</tr>
<tr>
<td>Friday</td>
<td>Same setting as for Monday</td>
<td>Same as above</td>
<td>Same as above</td>
<td></td>
</tr>
<tr>
<td>Saturday</td>
<td>holiday</td>
<td>holiday</td>
<td>holiday</td>
<td></td>
</tr>
<tr>
<td>EX1 Third Saturday in every month</td>
<td>Handled as a weekday for attendance</td>
<td>Handled as a weekday for attendance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EX2 August 1 to August 20</td>
<td>holiday</td>
<td>holiday</td>
<td>holiday</td>
<td></td>
</tr>
<tr>
<td>EX3 December 28</td>
<td>9:00 to 12:00: Working hours</td>
<td>9:00 to 12:00: Working hours</td>
<td>holiday</td>
<td></td>
</tr>
<tr>
<td>EX4 January 5</td>
<td>10:00 to 15:00: Working hours</td>
<td>12:00 to 13:00: Lunch hour</td>
<td>9:30 to 14:30: Working hours</td>
<td></td>
</tr>
</tbody>
</table>

See page 61

See page 66
### System Setup Menu Item

<table>
<thead>
<tr>
<th>Setting Scheduled Event</th>
<th>Description</th>
</tr>
</thead>
</table>

3. **[Set events for zone 2F.](#)**

   (Note) The following lists the events for reference. Change the settings according to the actual use conditions.

**Setting events for Monday to Friday**

<table>
<thead>
<tr>
<th>Time</th>
<th>Target zone</th>
<th>Start/stop</th>
<th>Operation mode</th>
<th>Setting temperature</th>
<th>Remote control code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Zone 2F</td>
<td>Start</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Assign priority to key pushed later</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>Assign priority to key pushed later</td>
</tr>
<tr>
<td>17:00</td>
<td>Zone 2F</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Only stop operation permitted</td>
</tr>
<tr>
<td>22:00</td>
<td>Zone 2F</td>
<td>stop</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Remote control operation prohibited</td>
</tr>
</tbody>
</table>

**Setting events for Saturday and Sunday**

<table>
<thead>
<tr>
<th>Time</th>
<th>Target zone</th>
<th>Start/stop</th>
<th>Operation mode</th>
<th>Setting temperature</th>
<th>Remote control code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Zone 2F</td>
<td>Start</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Assign priority to key pushed later</td>
</tr>
<tr>
<td>12:00</td>
<td>Zone 2F</td>
<td>stop</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Remote control operation prohibited</td>
</tr>
</tbody>
</table>

**Setting events for Ex1 (Third Saturday in every month)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Target zone</th>
<th>Start/stop</th>
<th>Operation mode</th>
<th>Setting temperature</th>
<th>Remote control code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Zone 2F</td>
<td>Start</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Assign priority to key pushed later</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>Assign priority to key pushed later</td>
</tr>
<tr>
<td>17:00</td>
<td>Zone 2F</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Only stop operation permitted</td>
</tr>
<tr>
<td>22:00</td>
<td>Zone 2F</td>
<td>stop</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Remote control operation prohibited</td>
</tr>
</tbody>
</table>

**Setting events for Ex2 (Summer holiday, etc.)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Target zone</th>
<th>Start/stop</th>
<th>Operation mode</th>
<th>Setting temperature</th>
<th>Remote control code</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Zone 2F</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Assign priority to key pushed later</td>
</tr>
<tr>
<td>17:00</td>
<td>Zone 2F</td>
<td>stop</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Remote control operation prohibited</td>
</tr>
</tbody>
</table>

**Setting events for Ex3 (December 28)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Target zone</th>
<th>Start/stop</th>
<th>Operation mode</th>
<th>Setting temperature</th>
<th>Remote control code</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00</td>
<td>Zone 2F</td>
<td>Start</td>
<td>Heating</td>
<td>77°F</td>
<td>Assign priority to key pushed later</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Temperature setting prohibited</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Operation mode prohibited</td>
</tr>
<tr>
<td>17:00</td>
<td>Zone 2F</td>
<td>stop</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Only stop operation permitted</td>
</tr>
</tbody>
</table>

**Setting events for Ex3 (December 28)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Target zone</th>
<th>Start/stop</th>
<th>Operation mode</th>
<th>Setting temperature</th>
<th>Remote control code</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00</td>
<td>Zone 2F</td>
<td>Start</td>
<td>Heating</td>
<td>77°F</td>
<td>Assign priority to key pushed later</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Temperature setting prohibited</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Operation mode prohibited</td>
</tr>
<tr>
<td>12:00</td>
<td>Zone 2F</td>
<td>stop</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Only stop operation permitted</td>
</tr>
<tr>
<td>13:00</td>
<td>Zone 2F</td>
<td>Start</td>
<td>Disabled</td>
<td>77°F</td>
<td>Assign priority to key pushed later</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Temperature setting prohibited</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Operation mode prohibited</td>
</tr>
<tr>
<td>15:00</td>
<td>Zone 2F</td>
<td>stop</td>
<td>Disabled</td>
<td>Disabled</td>
<td>Only stop operation permitted</td>
</tr>
</tbody>
</table>

* The term "Disabled" means that the setting is not changed.

**Change Schedule Name**

4. **[Change a schedule name.](#)**

   This function enables you to change the existing schedule name to an easy-to-understand schedule name.

**Change Special Date Name**

5. **[Change a special day name.](#)**

   This function enables you to change the existing special holiday name to an easy-to-understand holiday name.

**Enable or disable a schedule.**

6. **[Enable or disable a schedule.](#)**

   This function finally enables you to decide whether to enable or disable the setting made.

**Other Schedule Functions**

7. **[Convenient functions for setting a schedule](#)**
<table>
<thead>
<tr>
<th>System Setup Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change Over Settings</td>
<td>This function allows the optimal room temperature to be maintained without the users having to change the operation mode by automatically switching the air conditioner’s operation mode (cooling or heating) according to the room temperature for locations where the temperature difference during the day and at night is very large.</td>
</tr>
</tbody>
</table>

**< Overview of Function >**

This function automatically switches the air conditioner's operation mode and set temperature in units of one (4) automatic cooling/heating switch group according to the following 3 parameters: **(1) main set temperature, (2) main room temperature**, and the difference between the set temperatures when in cooling and in heating operation (listed hereafter as **(3) temperature difference**).

[1] Control Method (How to determine the (1) Main Set Temperature and (2) Main Room Temperature)

The 3 following methods exist for determining the above temperatures.

1. **Fixed Air Conditioner Method**
   The first indoor unit (the one highest on the screen) among those registered in the automatic cooling / heating switch group is designated the main indoor unit and the set temperature and room temperature of that indoor unit are designated the main set temperature and main room temperature.
   Note, however that if the main indoor unit is in fan operation mode, its automatic cooling / heating switch group cannot be controlled.

2. **Operating Air Conditioner Selection Method**
   Starting with the first indoor unit (the one highest on the screen) of those registered in the automatic cooling / heating switch group and working down, a search is performed to find an indoor unit which is both operating and in either cooling, heating, or automatic operation mode. The first one which satisfies both of these conditions is designated the main indoor unit and the set temperature and room temperature of that indoor unit are designated the main set temperature and main room temperature.
   If none is found which satisfies these conditions, the main set temperature and main room temperature are determined using the Fixed Air Conditioner Method shown above.

3. **Average Method**
   All the indoor units which are registered in the automatic cooling / heating switch group, are operating, and are either in cooling, heating, or automatic mode are found, and the averages for their set temperatures and room temperatures are calculated and used as the main set temperature and main room temperature. (Decimals are rounded up.) Note, however, that if there no air conditioners among the registered air conditioners for the averages to be calculated, the main set temperature and main room temperature are determined using the Fixed Air Conditioner Method shown above.

[2] (3) Temperature Difference
   The temperature difference is the difference between the set temperatures when automatically switching between cooling and heating when using this control.
   The temperature difference is set to between 2°F and 13°F in 1°F units.
   (When shipped from the factory, the setting is 3°F.)

[3] (4) Automatic Cooling / Heating Switch Group
   - This control is performed using one automatic cooling / heating switch group as a unit.
   - Up to 128 indoor unit groups can be registered in one automatic cooling / heating switch group.
   - It is not possible to register the same indoor unit to multiple automatic cooling / heating switch groups.
   - Up to 128 automatic cooling / heating switch groups can be registered in this unit.
   - These controls can be enabled and disabled for each individual automatic cooling / heating switch group.
   (These controls only work for groups set as enabled.)
   - A mark indicating that the indoor unit is under automatic control will appear on the monitor screen.
System Setup
Menu Item
Change
Over
Settings

Description

< Control Implementation Conditions >
The relationship between the main room temperature, the main set temperature, and the operation mode is described below, with examples.
(Two examples are given, as the operation differs for temperature differences 3°F and below and 4°F and above.)
The controls are implemented when the control conditions are satisfied, every 5 minutes from the time the power is turned on.

< Implementation conditions when the temperature difference is 3°F or lower.>
(The figure below is for a temperature difference of 2°F)

Conditions for switching from heating to cooling:
Main room temperature > main set temperature + temperature difference + 2°F
(Example: 84°F > 79°F + 2°F + 2°F)

Conditions for switching from cooling to heating:
Main room temperature < main set temperature – temperature difference – 2°F
(Example: 76°F < 81°F – 2°F – 2°F)

< Implementation conditions when the temperature difference is 4°F or higher.>
(The figure below is for a temperature difference of 4°F)

Conditions for switching from heating to cooling:
Main room temperature > main set temperature + temperature difference
(Example: 82°F > 77°F + 4°F)

Conditions for switching from cooling to heating:
Main room temperature < main set temperature - temperature difference
(Example: 76°F < 81°F – 4°F)

See the next page for a detailed description of the instructions to the air conditioner.
<Instructions sent to indoor units when control is implemented>

1. Fixed air conditioner/operating air conditioner selection methods

The control instructions are determined by the operation mode of the main indoor unit and the main set temperature. Instructions regarding the operation mode and the set temperature, shown below, are sent to all the indoor units registered in the group once all the control implementation conditions on the previous page are satisfied.

<table>
<thead>
<tr>
<th>Operation mode</th>
<th>Operation mode of the main indoor unit</th>
<th>Set temperature</th>
<th>Instruction to indoor units registered in the automatic cooling / heating switch group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating</td>
<td>Heating / Automatic heating</td>
<td>Cooling</td>
<td>main unit setting temperature + temperature difference</td>
</tr>
<tr>
<td>Cooling</td>
<td>Cooling / Automatic cooling</td>
<td>Heating</td>
<td>main unit setting temperature</td>
</tr>
</tbody>
</table>

For this control, when the operation mode of the main indoor unit is automatic, whether it is automatic cooling mode or automatic heating mode is checked when judging the control conditions. Once the instructions have been determined, either a cooling or a heating instruction is sent to indoor units in automatic operation mode. (They switch from automatic to cooling or heating.)

2. Average Method

Unlike the fixed air conditioner and operating air conditioner selection methods, the set temperature is decided based on considerations of the current set temperature for each individual unit, without sending the same instruction based on the main indoor unit to all the air conditioners. When implementing the control, the following operation modes and set temperature instructions are executed.

<table>
<thead>
<tr>
<th>Operation mode</th>
<th>Current indoor unit operation mode</th>
<th>Set temperature</th>
<th>Instruction to indoor units registered in the automatic cooling / heating switch group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating</td>
<td>Heating / Automatic heating</td>
<td>Current set temperature + temperature difference</td>
<td>No instruction</td>
</tr>
<tr>
<td>Cooling</td>
<td>Cooling / Automatic cooling</td>
<td>No instruction</td>
<td>No instruction</td>
</tr>
<tr>
<td>Other than the above</td>
<td>Cooling</td>
<td>main unit setting temperature - temperature difference</td>
<td>No instruction</td>
</tr>
</tbody>
</table>

When conditions are met for switching from heating to cooling

When conditions are met for switching from cooling to heating

Current indoor unit operation mode
### Precautions when using this control

1. Do not use the set temperature restriction function in indoor units which are subject to control. If it is used, operation modes will be switched and the set temperature will be changed repeatedly, **possibly causing the air conditioners to break down.**

(See page 44 for how to set the set temperature restriction function.)

2. The following will happen if a communication error (the icon on the screen is blue) occurs in the air conditioner being controlled:
   - **2-1. Fixed air conditioner**
     - If the main unit experiences a communication error, the automatic cooling / heating switch group control will not happen.
   - **2-2. Operating Air Conditioner Selection Method**
     - Remove the air conditioner experiencing the communication error from selection as the main unit, and select an air conditioner with normal communication.
   - **2-3. Average Method**
     - Remove the air conditioner experiencing the communication error from the calculation for the average, and only use air conditioners with normal communication for calculating the average.

3. Control which matches the main unit’s operation mode

   (Control for when the operation mode of the main unit does not represent the automatic cooling / heating switch group.)

   It is possible that only the operation mode for the main unit is changed when control using this function is done based on the main group unit (when the control method is fixed air conditioner or operating air conditioner). The following control is performed because it is possible that the operation mode of air conditioners other than the main unit in the group might be in violation of the purpose of control and not automatically switch if the conditions for implementing control using this function are not satisfied.

   **[Example] Heating Mode-Matched Control**

   When the main unit is already operating in heating mode, whether or not the conditions for implementing a switch from cooling to heating (main room temperature < main set temperature – temperature difference) depends on the state (environment) of the main unit. (If only the main unit is in heating operation, it is possible that the room temperature might not rise because of the indoor units other than the main unit which are in cooling operation, and the above control conditions might not be satisfied.)

   Therefore, only when control is performed based on the main group unit is the control below performed depending on the operation mode of the main group unit.

<table>
<thead>
<tr>
<th>Coolig Mode-Matched Control</th>
<th>Heating Mode-Matched Control</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State of main unit (control conditions)</strong></td>
<td><strong>State of main unit (control conditions)</strong></td>
</tr>
<tr>
<td>Operation mode</td>
<td>Heating / Automatic heating</td>
</tr>
<tr>
<td>Temperature</td>
<td>Main room temperature &lt; main set temperature</td>
</tr>
<tr>
<td>Instructions to indoor units registered in the automatic cooling / heating switch group</td>
<td>Instructions to indoor units registered in the automatic cooling / heating switch group</td>
</tr>
<tr>
<td>Operation mode</td>
<td>Heating / Automatic heating</td>
</tr>
<tr>
<td>Temperature</td>
<td>Main room temperature &lt; main set temperature</td>
</tr>
<tr>
<td>Instructions to indoor units registered in the automatic cooling / heating switch group</td>
<td>Instructions to indoor units registered in the automatic cooling / heating switch group</td>
</tr>
</tbody>
</table>
4. Because this control automatically switches the operation mode, if the air conditioner is not a cooling / heating free unit, always register indoor units which have the right to select cooling or heating for the same cooling system to the same automatic cooling / heating switch group, when controlling indoor units which do not have such rights.

Unexpected things may happen if control is done using the following incorrect automatic cooling / heating switch group settings.

If indoor units (address 1-02) which do not have the right to select cooling or heating for the same cooling system are not registered to the same automatic cooling / heating switch group, address 1-02 will behave in the following way.

[Actions related to operation mode]
If the room temperature of Group 1 rises, group 1 will switch to cooling as per this control and the set temperature will become 77°F (if the temperature difference is 9°F).
When this happens, the set temperature of the indoor unit at 1-02 will continue at 73°F although only the operation mode will change to cooling, i.e. in a different operation mode from the other indoor units in Group 2.
→ The operation mode will be determined by Group 1.

[Actions regarding set temperature]
If the room temperature of Group 2 rises, group 2 will switch to cooling as per this control and the set temperature will become 82°F (if the temperature difference is 9°F).
When this happens, the operation mode of the indoor unit at 1-02 will continue in heating and only the set temperature will change to 82°F, i.e. in a different operation mode from the other indoor units in Group 2.
→ The set temperature will be determined by Group 2.
### Temperature Limit Settings

This function automatically starts and stops air conditioners in order to prevent the room temperature of unmanned rooms from getting too high or too low. For example, this has the following advantages.

- It prevents overheating of or condensation from forming on equipment which needs to be temperature controlled in unmanned rooms.
- It can also help buildings and not just individual rooms to preserve heat by preventing unmanned rooms from reaching extremes of temperature at night.

#### <Overview of Function>

This function performs automatic control by monitoring the relationship between the set upper and lower limits and the room temperature (the air conditioner intake temperature) to prevent the set room temperature from exceeding those limits. This function starts and stops the air conditioners and changes the operation mode.

- **Cooling operation control (and stop control)**
  - Cooling operation is automatically started when the room temperature rises above the set upper temperature limit.
  - The air conditioner is stopped once the room temperature falls sufficiently far below the upper temperature limit (upper temperature limit – 7°F or more) during cooling due to this control.

- **Heating operation control (and stop control)**
  - Heating operation is automatically started when the room temperature falls below the set lower temperature limit.
  - The air conditioner is stopped once the room temperature rises sufficiently far above the lower temperature limit (lower temperature limit + 7°F or more) during heating due to this control.

#### : Controlled air conditioners

- This controls auto-start and auto-stop for each air conditioner based on the temperature set for each room temperature limit control group.
- This control is not applicable to air conditioners which are already operating, even if they are registered to the room temperature limit control group. (It is only applicable to stopped air conditioners.)
- Up to 128 indoor groups can be registered in one room temperature limit control group.
- It is not possible to register the same indoor unit to multiple room temperature limit control groups.
- Up to 8 room temperature limit control groups can be registered in this unit.
- These controls can be enabled and disabled for each individual room temperature limit control group. (These controls only work for groups set as enabled.)
- A mark indicating that the indoor unit is under automatic control will appear on the monitor screen.

#### : Upper room temperature limit

- **Upper and lower room temperature limit**
  - The upper and lower room temperature limits desired for automatic control. The settable range of upper and lower limits is as follows.

  **Upper limit**: 90°F to 122°F in 1°F units. (The default is 97°F.)
  **Lower limit**: 36°F to 60°F in 1°F units. (The default is 59°F.)

  The temperature difference between the upper or lower limit and the room temperature when the air conditioner under cooling (heating) operation control using this function (to prevent hunting) is 7°F.
**Operation**

(Reference)

<table>
<thead>
<tr>
<th>System Setup Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Temperature Limit Settings</strong></td>
<td></td>
</tr>
</tbody>
</table>

### : Control Implementation Conditions

The relationship between room temperature, upper / lower limit, and operation mode is shown below.

The controls are implemented when the control conditions are satisfied, every 5 minutes from the time the power is turned on.

This function performs stop control for cooling / heating operation and other operation controls to prevent excessive increase or decrease of the room temperature. The set values of room temperature upper / lower limit control group are used for the upper / lower limit values and other factors of this control.

This control is not performed for the group of air conditioners to which this control is set invalid. The set temperatures of the air conditioners are not changed by this control.

1. **Start condition of cooling operation**:
   - Cooling operation is controlled when the room temperature is higher than the upper limit of room temperature and the unit is stopped.

2. **Start condition of heating operation**:
   - Heating operation is controlled when the room temperature is lower than the lower limit of room temperature and the unit is stopped.

3. **Stop condition**:
   - The air conditioners under cooling / heating control by this function stop when any of the following conditions are met.
     - **During cooling operation**
       - "Room temperature is lower than the upper limit of room temperature – 7°F" or "Room temperature is lower than the cooling set temperature"
     - **During heating operation**
       - "Room temperature is higher than the lower limit of room temperature + 7°F" or "Room temperature is higher than the heating set temperature"
### Temperature Limit Settings

<table>
<thead>
<tr>
<th>System Setup Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 : Precautions for the use of this control</td>
<td>The operation modes are switched over automatically with this control. Therefore, if the air conditioners are not cooling / heating-free machines, and when an indoor unit without cooling / heating selection right is to be controlled, be sure to register an indoor unit with cooling / heating selection right in the same cooling system into the same room temperature upper / lower limit group. If the control is performed with a wrong setting of room temperature upper / lower limit control group as shown in the figure below, the following unexpected control will be performed.</td>
</tr>
</tbody>
</table>

If the control is performed with a wrong setting of room temperature upper / lower limit control group as shown in the figure below, the following unexpected control will be performed.

![Diagram showing the operation modes]

As shown in the figure above, if an indoor unit (address 1-02) not having the cooling / heating selection right is not registered into the same room temperature upper / lower limit control group with an indoor unit having cooling / heating selection right in the same cooling system, the operation of the address 1-02 will be as follows.

[Actions related to operation mode]

When the room temperature of the group 1 rises, the operation mode of the group 1 is switched to cooling operation by this control, and the automatic operation continues. At this time, only the operation mode of the indoor unit 1-02 changes into cooling mode, and operates in the mode different from other indoor units. The operation mode will be determined by Group 1.
<table>
<thead>
<tr>
<th>System Setup Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating Optimization Setting</td>
<td>With the air conditioners made by Daikin (Buil-Mul or Building multi indoor unit), when the thermo-switch is turned off (the compressor is off) during heating operation, the fan does not stop. (It continues to run at the minimum speed, or at the speed set in the heating mode.) Also, because a slight amount of coolant continues to circulate at this time, the room temperature may rise slightly by the fan operation described above. Therefore, this function starts / stops the air conditioner based on the room temperature (intake air temperature) and the set temperature during heating operation to prevent the temperature rise.</td>
</tr>
</tbody>
</table>

<Overview of Function>

- **Operation interruption control**
  When the room temperature for the air conditioner in heating operation becomes higher than the set temperature + 2°F, the air conditioner is stopped. However, because the stop control (operation interruption) by this function is the optimum control for turning off of the thermo-switch during heating operation, the system regards this status as in operation, and the screen display on the unit remains “In-operation.”
  *After the unit is interrupted by this function, it restarts when the specified conditions are met. Therefore the user’s explicit stop command is effective.*

- **Operation restart control**
  When the room temperature for the air conditioner under the stop control by this function (during heating operation interruption) becomes lower than the set temperature – 2°F, the air conditioner is restarted.

1: Controlled air conditioners

- This control is performed for each individual air conditioner. This function can be set to enabled / disabled for each air conditioner.
- Only the air conditioners with this function set to enabled becomes the subject for the control.
- For the indoor units under this control, a mark showing the automatic control is displayed on the monitoring screen.
The relationship between room temperature, set temperature, and operation / stop status is shown in the figure below.

The operation period of the control is every 5 minutes after the system power is turned on, and the operation is executed when the control conditions are met at each timing.

This function performs start / stop control based on the relationship between the set temperature and the room temperature (intake air temperature) of the air conditioner in heating operation. The control conditions are described below.

**Operation interruption control in heating mode (Stop control)**
When the room temperature for the air conditioner in heating operation becomes higher than the set temperature + 2°F, the air conditioner is stopped. The stoppage (operation interruption) by this control is processed as "in-operation of the air conditioner" on the monitoring screen of the unit.

**Operation restart control in heating mode (start control)**
When the room temperature for the air conditioner in interruption becomes lower than the set temperature – 2°F by this function, the air conditioner is restarted.

**Enabled-to-disabled change over control (start control)**
When the setting of this function for the air conditioner is changed from enabled to disabled during operation interruption, the operation is restarted.

**Operation mode change over control (Start control)**
When the operation mode of the air conditioner in interruption is changed by this function, the air conditioner is restarted.

**Precautions for the use of this control**

1. The stoppage (operation interruption) by this control is processed as "in-operation of the air conditioner" on the monitoring screen of the unit. As a result, this status is indicated as "Stop" on the remote controller of the air conditioner, and as "In-operation" on the monitoring screen of the unit.

2. As explained above (item 1), because the display on the remote controller during operation interruption by this control is "Stop," the user may not perform the stop operation even at the scheduled time of system stoppage, resulting in forget-to-stop error. Therefore, it is recommended that a measure against forget-to-stop error be executed by the scheduled control of the unit or other appropriate methods.

---

**Operation Manual**

**46 intelligent Touch Controller System**

---

**System Setup Menu Item**

<table>
<thead>
<tr>
<th>Heating Optimization Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2</strong> : Control execution condition</td>
</tr>
<tr>
<td>The relationship between room temperature, set temperature, and operation / stop status is shown in the figure below.</td>
</tr>
<tr>
<td>The operation period of the control is every 5 minutes after the system power is turned on, and the operation is executed when the control conditions are met at each timing.</td>
</tr>
</tbody>
</table>

**Operation (Reference)**

See page 75
This option is used to, when the intelligent Touch Controller detects a malfunction in such as the air-conditioning unit (*1), send an e-mail containing the date, the error code and so on to the pre-registered administrators at three different addresses maximum.

*1 : Where the malfunction refers a malfunction that occurs in the air-conditioning unit or other facilities.
When a communication error between the intelligent Touch Controller and the air-conditioning unit or other facilities occurs, no e-mail will be sent.
If the warning of the air-conditioning unit occurred during a test run is defined to be handled as a malfunction, the e-mail about such warning will be sent.

To use the e-mail function, the following equipment is required:
- SMTP (Simple Mail Transfer Protocol) server
  a server which can transfer the e-mails complying with RFC821
- e-mail receiving terminal
  a terminal which can receive the e-mails complying with RFC822

The system configuration is drawn in the figure below:

In this setting procedure, the following items are set.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Validity/Invalidity of e-mail function</strong></td>
<td>Setting of Invalidity does not allow sending e-mails.</td>
</tr>
<tr>
<td><strong>SMTP Server Address</strong></td>
<td>Specifies URL (IP address) of the SMTP server.</td>
</tr>
<tr>
<td><strong>SMTP Server Port Number</strong></td>
<td>Specifies a port number of the SMTP server.</td>
</tr>
<tr>
<td><strong>Validity / Invalidity of [POP before SMTP] option</strong></td>
<td>Whether to access in advance the POP server specified before sending mail.</td>
</tr>
<tr>
<td><strong>Setting items when [POP before SMTP] is valid</strong></td>
<td>Specifies URL (IP address) of the POP server.</td>
</tr>
<tr>
<td><strong>POP Server Address</strong></td>
<td>Specifies a port number of the POP server.</td>
</tr>
<tr>
<td><strong>POP Server Port Number</strong></td>
<td>User ID used for POP authentication</td>
</tr>
<tr>
<td><strong>POP User ID</strong></td>
<td>POP Password</td>
</tr>
<tr>
<td><strong>POP Password</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Sent-to Groups</strong></td>
<td>Specifies destination groups to which an e-mail will be sent at a time of malfunction.</td>
</tr>
<tr>
<td><strong>Sending Interval</strong></td>
<td>Specifies a time interval to retry sending an e-mail when the malfunction has not been cleared. (setting range: 1-72 hours, steps: one hour)</td>
</tr>
<tr>
<td><strong>ITC Identification Name</strong></td>
<td>Specifies a string of characters displayed in the Subject column when the e-mail is received.</td>
</tr>
<tr>
<td><strong>E-mail</strong></td>
<td>Mail Address 1, 2, 3: Specifies e-mail addresses Omissible</td>
</tr>
</tbody>
</table>

![System Configuration Diagram]

See pages 77 to 78
### System Setup

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Timing of E-mail Sending</strong></td>
<td>See pages 77 to 78</td>
</tr>
</tbody>
</table>

#### Operation (Reference)

**Timing of E-mail Sending**

Referring to the figure below, timing of sending e-mails is described.

If a malfunction occurs in the destination groups defined in the e-mail sending, wait three minutes from the malfunction (1 in the figure below) before sending an e-mail.

* An e-mail will not be sent immediately after the first malfunction.

During the waiting time of three minutes, if another malfunction occurs in different groups (2 or 3 in the figure below), one e-mail containing such multiple malfunctions will be sent.

**Resend after sending once**

As shown in the case of Group B, if the malfunction persists even after the sending time interval from the first mail sending has elapsed, another e-mail will be sent.

In the group for which the e-mail has been sent, after recovering from the malfunction, if another malfunction occurs again (5 in the figure below), the latest malfunction will be sent after the sending time interval will have elapsed.

During the sending time interval, if a new malfunction occurs (4 in the figure below), an e-mail will be sent after the sending time interval will have elapsed.

When the sending time interval has elapsed, if no malfunction is found in the groups, the system will move from the resend state to the normal state.

* : The mark ![exclamation mark] represents occurrence of a malfunction and the mark ![check mark] represents recovery from the malfunction.

**Figure : Timing of E-mail Sending**

- **Group A**: If no malfunction is found, the system will send no e-mail and go back to the normal state to start monitoring the air-conditioning unit.
- **Group B**: The malfunction persists.
- **Group C**: The malfunction has occurred again.
- **Group D**: Another malfunction has occurred.

<table>
<thead>
<tr>
<th>Normal state</th>
<th>Resend state</th>
<th>Normal state</th>
</tr>
</thead>
</table>

3 minutes from occurrence of the malfunction (wait for sending)

Sending time interval

Sending time interval
### Contents of E-mail

The contents of the e-mail to be sent is described below. When three or more events of malfunctions have been occurred concurrently, the latest two events are displayed in ascending order and the rest is represented just as the total number of such events.

<table>
<thead>
<tr>
<th>From</th>
<th>Originating e-mail address</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="mailto:user012@daikin.co.jp">user012@daikin.co.jp</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>To</th>
<th>Destination e-mail address</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="mailto:user012@daikin.co.jp">user012@daikin.co.jp</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subject</th>
<th>Fixed string of characters and controller name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fault occurs (DAIKIN Head Office)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of occurrence of the malfunction (month, day, hour, minute) in ascending order starting from the latest one, group name, error code</th>
</tr>
</thead>
<tbody>
<tr>
<td>04/02 14:11 Office A9</td>
</tr>
<tr>
<td>04/02 14:10 ConfRoom E0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of the remaining malfunctions except two indicated above when three or more malfunctions exist</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remaining mails : 1</td>
</tr>
</tbody>
</table>

### Operation when failing to send an e-mail

When failing to send an e-mail, it will be resent three times at an interval of two minutes. Resending an e-mail will not be executed, however, in the following situations:

- The POP sever returned an error of user authentication.
- The SMTP server returned a reply of a permanent failure.
- A test run mail was sent.

### E-mail outgoing history

The history file can contain a maximum number of 300 events of successes / failures in sending e-mails.

* For detailed information, refer to the history display of page 78 (EM05A058: Page 76).
System Setup
Menu Item | Description | Operation (Reference)
--- | --- | ---
Simple Interlock Setting | This menu is used to make settings of an interlock control function in units of zones or groups. The simple interlock control is a function to automatically control groups or zones corresponding to a change of the operation states or the stop states in any groups. The settings of the simple interlock control are described below. • The simple interlock can store a maximum number of 128 program registrations. For each program, the following settings can be made:  • Interlock input point The target groups you want to monitor as the interlock input points (e.g. air-conditioning unit, Di unit*, Dio unit*, HRV) are registered. * : Monitoring is performed for the input states at the operation / stop connection point. In one program, the maximum number of 128 groups can be registered.  • Interlock output "Select conditions of interlock input points", "Registration of control targets", and "Settings of control details" are performed. • "Select condition of interlock input points" The interlock control function is initiated when the groups specified as the interlock input points indicate the operation states described below. Select from (1)-(5) to specify the condition. (The control function is actually initiated when the state of the input point has changed.) (1) No detection : Detection of inputs is not performed. (The control function is not effective.) (2) Any one or more of the groups ON : When any one or more of the groups registered as the input points turn on, the control function is initiated. (3) All ON : When all of the registered groups as the input points turn on, the control function is initiated. (4) Any one or more of the groups OFF : When any one or more of the groups registered as the input points turn off to stop, the control function is initiated. (5) All OFF : When all of the registered groups as the input points turn off to stop, the control function is initiated. *1 Selecting "Any one or more of the groups ON (or OFF)" while some interlock input points are already ON (or OFF) will not initiate anew the interlock control function even when another interlock input point turns ON (or OFF). (Once the selected condition has become invalid and then, when the selected condition is satisfied again, the function can be initiated.) *2 When a communication error occurs in any of the interlock input points, the condition will be checked only for the interlock input points in the normal communication state.  • "Registration of control targets" A single group or zone, which is to be controlled when the interlock condition is met, is registered. * If the interlock condition has been met during a communication error in the control target, the interlock control function will not be initiated even when the communication error is cleared.  • "Settings of control details" Details of the control operations for the target device where the interlock condition is met are defined. The available control operations are described below. Multiple operations can be set at a time. (Ex. : Start Command and Change Temperature Setting) • Start / Stop commands • Operation mode switching • Change temperature setting • Setting of permission / prohibition of hand-held remote controller operations (Start / Stop, Temperature setting, Operation mode switching) • Ventilation mode switching (*) • Ventilation amount switching (*) * for HRV For one interlock program, two interlock outputs at the maximum can be specified.
### System Setup Menu Item

#### Description

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Operation (Reference)</th>
<th>See pages 79 to 80</th>
</tr>
</thead>
</table>

#### Control operations when a communication error occurs in the interlock input points

**Example 1)** When a communication error occurs in any of the interlock input points, the condition will be checked only for the interlock input points in the normal communication state.

- When "All ON" is selected, the state change shown in the left figure can initiate the interlock control function.

**Example 2)** Even if the interlock input point recovered from the communication error meets the specified condition, the interlock control function cannot be initiated.

- When "Any one or more of the groups ON" is selected, the state change shown in the left figure cannot initiate the interlock control function.

**Example 3)** When a communication error occurs in an interlock input point and, consequently, the specified condition is met, the interlock control function cannot be initiated.

- Even when "All OFF" is selected, the state change shown in the left figure cannot initiate the interlock control function.

#### Control operations when a communication error occurs in the control target equipment

<table>
<thead>
<tr>
<th>Condition of interlock input points</th>
<th>Operation (Reference)</th>
</tr>
</thead>
</table>

1. **Condition of interlock input points:** "All ON" is selected.

   - The condition of interlock input points is not met.

2. Although the condition of interlock input points is met, the communication error in the control target will not allow initiating the interlock control function.

   - Even when the control target recovers from the communication error, the interlock control function is not initiated.

3. In this case, once the condition of interlock input points has become invalid and then, when the condition is satisfied again, the interlock control function can be initiated.
In the following section, utilization of the simple interlock control function is described while giving some examples. Referring to the figure below, the setting examples of the simple interlock control program are provided.

[Example 1 of interlock control]
When any of the air-conditioning units on the second floor (1-00, 1-01) start operating, HRV (1-02) will be started. When all of the air-conditioning units (1-00, 1-01) on the second floor stop, HRV (1-02) will be stopped.

[Example 2 of interlock control]
When the key of the first floor (2-03)* is locked, the air-conditioning units (2-00 to 2-02) will be stopped and start/stop operations of the hand-held remote controller will be prohibited.

*: The mark shown in the figure below represents a key. In this example, locking the key to the Di unit allows a closing (ON) connection point to be connected.

Before the interlock control is activated

<table>
<thead>
<tr>
<th>Zone Name: Zone 1F</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-00</td>
</tr>
<tr>
<td>2-00</td>
</tr>
<tr>
<td>Zone Name: Zone 1F</td>
</tr>
</tbody>
</table>

While the interlock control is active

<table>
<thead>
<tr>
<th>Zone Name: Zone 1F</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-00</td>
</tr>
<tr>
<td>2-00</td>
</tr>
<tr>
<td>Zone Name: Zone 1F</td>
</tr>
</tbody>
</table>

Air-conditioning unit (1-00) in operation

Di unit (2-03) locked

Settings for performing the control operations described above

<table>
<thead>
<tr>
<th>Interlock Program Number</th>
<th>Interlock Input Point</th>
<th>Interlock Output 1</th>
<th>Interlock Output 2</th>
<th>Control Target</th>
<th>Control Item</th>
<th>Control Target</th>
<th>Control Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program 1 (two interlock operations)</td>
<td>2-03</td>
<td>All ON</td>
<td>Zone 1F</td>
<td>All OFF</td>
<td>1-02</td>
<td>Stop</td>
<td></td>
</tr>
<tr>
<td>Program 2 (one interlock operations)</td>
<td>1-00</td>
<td>1-01</td>
<td>Anyone or more of the groups ON</td>
<td>1-02</td>
<td>Start operation</td>
<td>All OFF</td>
<td>1-02</td>
</tr>
</tbody>
</table>

See pages 79 to 80
• Limitations of the simple interlock function
In the simple interlock function, setting the inconsistent input/output conditions is allowed as described below.
* Priority of the interlock programs is determined in such a way that the lower program has a higher priority and the output 2 has a higher priority than the output 1.

Example 1) When the interlock input point and the control target are same

<table>
<thead>
<tr>
<th>Interlock Program Number</th>
<th>Interlock Input Point</th>
<th>Control Target</th>
<th>Input Condition</th>
<th>Control Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program 1</td>
<td>1-00</td>
<td>1-00</td>
<td>Any one or more of the groups ON</td>
<td>Stop</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>No detection</td>
<td></td>
</tr>
</tbody>
</table>

Result : 1-00 cannot be initiated. (Even if it has been initiated, it should be stopped by the interlock control function.)

Example 2) When the interlock input point and the control target are same but the control items specify opposite operations

<table>
<thead>
<tr>
<th>Interlock Program Number</th>
<th>Interlock Input Point</th>
<th>Control Target</th>
<th>Input Condition</th>
<th>Control Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program 1</td>
<td>1-00</td>
<td>1-01</td>
<td>Any one or more of the groups ON</td>
<td>Start operation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Any one or more of the groups OFF</td>
<td>1-01</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Stop</td>
</tr>
</tbody>
</table>

Result : The interlock output 2 with a higher priority is executed. (1-01 stops.)

The settings of the input/output conditions as described in the example 3 below will cause a failure of the air-conditioning unit; therefore never use these settings.

Example 3) When the interlock input point and the control output fall into a loop

<table>
<thead>
<tr>
<th>Interlock Program Number</th>
<th>Interlock Input Point</th>
<th>Control Target</th>
<th>Input Condition</th>
<th>Control Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program 1</td>
<td>1-00</td>
<td>1-01</td>
<td>Any one or more of the groups ON</td>
<td>Start operation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Any one or more of the groups OFF</td>
<td>1-01</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Stop</td>
</tr>
</tbody>
</table>

Result : The interlock program is repeated endlessly. In the example above, the air-conditioning units : 1-00 and 1-01 repeat start/stop operations endlessly.
<table>
<thead>
<tr>
<th>System Setup Menu Item</th>
<th>Description</th>
<th>Operation (Reference)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simple Interlock Change Name</td>
<td>[Change the name of the simple interlock program] You can change the name of the simple interlock program to the understandable one.</td>
<td>See page 81</td>
</tr>
<tr>
<td>Simple Interlock Validity / Invalidity Setting</td>
<td>[Determine the validity / invalidity of the simple interlock setting] Lastly, whether the simple interlock setting is valid or invalid can be specified. The program set to invalid will not run.</td>
<td>See page 81</td>
</tr>
<tr>
<td>System Setup Menu Item</td>
<td>Description</td>
<td>Operation (Reference)</td>
</tr>
<tr>
<td>------------------------</td>
<td>-------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>History Display</td>
<td>This menu should be displayed on the screen stored in the memory of intelligent Touch Controller and used to store data in memory card (customer-arranged).</td>
<td>See page 76</td>
</tr>
<tr>
<td>Touch Panel Calibration</td>
<td>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 &quot;the intelligent Touch Controller does not recognize the pressing on the button shown on the screen&quot; repeatedly occurs, use this menu to calibrate the touch panel.</td>
<td>See page 77</td>
</tr>
<tr>
<td>Version information</td>
<td>This provides maintenance information. The menu shows the version number of the software for the intelligent Touch Controller currently used.</td>
<td>See page 82</td>
</tr>
</tbody>
</table>
6.4.2 System Setup Menu Operation

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. Select an item from pull-down menu 2.
      ● System
      ● Atm control
   3-2. Click the item to be set 3, and press the [Execute] button 4. The example on the left shows the appearance of the screen for password setup.
   3-3. The setting screen selected appears.
   3-4. When the setting has been made on the setting screen, press Exit (OK) or cancel. Detailed operation is described in the following items.
   3-5. Screen 2 reappears. The setting selected is complete.
   3-6. If another item is to be set, repeat the operation in 3-1 - 3-5. If there is no more item to be set, press the [Close] button 5. Screen 1 Monitoring screen reappears.

The following pages describe the System Setup operation in order.
### Screen 1 Password Setup

1. Select Password Setup as described on page 58 (EM05A058: Page 56).

2. Screen 1 Password Setup, which is shown on the left, appears.

3. Select Enable or Disable for password Protection.
   - If Disable is selected, press the [Close] button. 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. When the setting has been made, press the [OK] button.
   - 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 [Close] button completes the setting.

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

* Password setting is possible in the same way both in Administrator password protect and Lock release password protect.
1. Select Time Setup as described on page 58 (EM05A058: Page 56).

2. Screen 1 Time Setup, which is shown on the left, appears. Press the [Modify] button ①. Time setting dialog in Screen2 is displayed.

3. Press the number key button to set the year, month, day, hour, minute and second.

4. When the setting has been made, press the [OK] button ③. Screen 3 Confirmation appears.

5. See the Note on page 25. If changing the time setting causes no problem, press the [OK] button ④. Time setup is complete. To cancel setting, press the [Cancel] button.
1. Select Backlight Setup as described on page 58 (EM05A058: Page 56).
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 [Modify] button ②. Input dialog is displayed. Set the time for automatic OFF.
5. Set whether the backlight should be automatically turned ON when any error is generated in air conditioners by selecting Enable or Disable ③.
6. Press the [OK] button ④. To cancel the setting, press the [Cancel] button.
1. Select Group Setup as described on page 58 (EM05A058: Page 56).

2. Screen 1 Group [Setup], which is shown on the left, appears.

3. Select the group to be set with $L55443$. Press the [Setup] button $L55444$. Group setup in Screen 2 is displayed.

4. Press the [Modify] button $L55445$. 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 $L55446$. (If it is not contained in the area, reduce the number of characters and reenter.)

5. Press the [Modify] button $L55446$ the name as shown in step 4 above.

6. Press the [S] or [T] button $L55448$ to select an icon. The selection of icon does not affect the operation of the group.


8. Select the position with the [Down] or [Up] button $L55459$ for showing the group currently selected within the zone.

9. Press the [OK] button $L55460$. (To cancel the setting, press the [Cancel] button.)

---

### How to use the keyboard

- **Button to select between uppercase and lowercase.**
- **Button to correct wrong entries made.** Pressing one time deletes one character leftward starting at the cursor.
- **Button to move the cursor.** Candidates for input are displayed. Words presumed to be input for Name has already been involed.

When all entries have been made, press the [OK] button $L55461$. To cancel, press the [Cancel] button. Screen 2 Group Setup reappears.

- **Press the [Modify] button $L55462$ and enter the name as shown in step 4 above.**

- **Press the [S] or [T] button $L55463$ to select an icon.** The selection of icon does not affect the operation of the group.

- **Press the [Temp Limit] button $L55464$. Screen 4 Temp Limit appears.** Select Enabled or Disabled $L55465$ for Limits Setup for the group currently selected. If you select Yes, set the limits by pressing the [OK] button $L55466$. Press the [Modify] button $L55467$ and set the restriction range. Screen 2 Group Setup reappears.

- **Select the position with the [Down] or [Up] button $L55469$ for showing the group currently selected within the zone.**

- **Press the [OK] button $L55470$. (To cancel the setting, press the [Cancel] button.)**
1. Select Zone Setup as described on page 58 (EM05A058: Page 56).
2. Screen 1 Zone Setup, which is shown on the left, appears.
3. To add a zone, press the [Add] button. A zone is added with the name Z-000. To modify the zone, select with the zone to be modified. Press the Setup button. Zone setup in screen 2 is displayed.
4. Press the [Modify] button. Screen 3 Enter Group Name appears. Use the keyboard on the panel to enter the name in such a way that it is contained in the area. If it is not contained in the area, reduce the number of characters and reenter.

[How to use the keyboard]
- Button to select between uppercase and lowercase.
- Button to correct wrong entries made. Pressing one time deletes one character leftward starting at the cursor.
- Button to move the cursor.
- Candidates for input are displayed. Words presumed to be input for Name has already been involed.

When all entries have been made, press the [OK] button. To cancel, press the Cancel button. Screen 2 Group Setup reappears.
5. Press the [Modify] button and enter the name as shown in step 4 above.
6. Press the [▲] or [▼] button 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. To start the groups at one time, press Disable. If you select Enable, press the [Modify] button and set the interval time for group sequential start.

(Note) For the zone Collective, the factory setting is Enable for Interval Start and 2 (seconds) for Interval.
8. Set the groups to be registered for the zone currently selected.

To add a group to the zone, select the group to be added with \( \text{L55453/L55469} \) and press the \([<<]\) button \( \text{L55453/L55470} \).

To delete a group registered for a zone, select the group to be deleted with \( \text{L55453/L55471} \) and press the \([>>]\) button \( \text{L55454/L55472} \).

The \([\text{Up}]\) or \([\text{Down}]\) button \( \text{L55454/L55463} \) 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 \([\text{OK}]\) button \( \text{L55454/L55464} \). To cancel the setting, press the \([\text{Cancel}]\) button.

1. Select “Locale Setting” according to the operating procedure shown in page 56.

2. Confirm that the Locale setting screen Screen 1 will be displayed in the left-hand column.

3. Select a language by pushing \([<<],[>>]\) button \( \text{L55443} \) on the Locale setting screen. (The details of settings remain unchanged.)

4. Select a language via the Language setting radio button \( \text{L55444} \).

5. Last, push \([\text{OK}]\) button \( \text{L55445} \). (To cancel the settings made, push \([\text{Cancel}]\) button.
1. Select “Network Setting” according to the operating procedure shown in page 58 (EM05A058: Page 56).

2. Confirm that the Network setting screen Screen 1 will be displayed as shown in the left-hand column.

3. Push the [Modify] button ① and enter a Host name on the resulting input screen.

4. Push the [Modify] button ② and enter an IP address on the resulting input screen.

5. Push the [Modify] button ③ and enter a Subnet mask on the resulting input screen.

6. Push the [Modify] button ④ and enter a Default gateway on the resulting input screen.

7. Push the [Modify] button ⑤ and enter a Primary DNS on the resulting input screen.

8. Push the [Modify] button ⑥ and enter a Secondary DNS on the resulting input screen.

9. After making the settings, push the [OK] button ⑦.
To cancel the settings made, push the [Cancel] button.
1. Select “Setting of icon color” according to the operating procedure shown in page 58 (EM05A058: Page 56).
2. Confirm that the Setting of icon color screen Screen 1 will be displayed as shown in the left-hand column.
3. Select a desired color via the radio button ① to change the start/stop icon color on the Monitoring screen. Note that the stop icon color is light green and the start icon color red at factory setting.
4. Push the [OK] button ②. To cancel the settings made, push the Cancel button.
1. Select “Activation key input” according to the operating procedure shown in page 58 (EM05A058: Page 56).

2. Confirm that the Activation key input screen Screen 1 will be displayed as shown in the left-hand column.

3. Push the [Add] button and input an option software activation key on the resulting keyboard dialog. (In this case, care should be taken for key input because the activation key cannot be registered so long as it contains incorrect uppercase or lowercase letters.)

[How to use the keyboard]

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

1. Select “Web Server Setup” according to the operating procedure shown in page 58 (EM05A058: Page 56).

2. After selecting “User setting”, push the [Modify] button to change the Port number. The changeable range is from 1024 to 65535. Select “Default” not to change the Port number.

3. Push the [OK] button, when the change has completed. Push the [Cancel] button, when the change is not done. After restarting, the change is done.
Before setting a calendar, refer to page 37 (EM05A058: Page 35) to consider what kind of schedule is to be set and perform the following operations. (The following shows an example of setting made referring to zone 2 in page 37 (EM05A058: Page 35).) This example shows the setting that determines which days in the year schedule to use for special days (such as the summer holidays) requiring air-conditioner control different from that in the regular weekly schedule.

1. Select “Schedule setting” according to the operating procedure shown in page 58 (EM05A058: Page 56).
2. Confirm that the Schedule setting screen Screen 1 will be displayed as shown in the left-hand column.
3. Select a schedule from 1/L55443 to set or change the calendar.
4. Push the [Calendar Setup] button 2/L55444 to display the calendar setup screen Screen 2. Initially, the weekly settings are made. Select a month for change at 3/L55445 and a day for change at 4/L55446. Then, select a pattern for the selected day from 5/L55447.
   - Check a Set checkbox to display a radio button for each pattern.
   - This setting can be made for the coming 13 months.
5. After making the necessary settings, push the [OK] button 6/L55448 and return to the Schedule setup screen Screen 1.

---

**Screen 1 Schedule Setup**

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

**Screen 2 Calendar Setup**

1. Prev Month
2. Dec 2004
3. Next Month
4. Set
5. Pattern
6. Week
7. OK
8. Cancel

---

EM05A058
1. Select “Schedule Setup” according to the operating procedure shown in page 58 (EM05A058: Page 56).

2. Confirm that the Schedule setup screen Screen 1 will be displayed as shown in the left-hand column.

3. Select a schedule from /L55443 to set or change the event(s).

4. Push the [Event setting] button /L55444 to display an event list (Screen 2). Here, actual schedule operations are set for each of 17 kinds of days (Sunday to Saturday, Ex1 to Ex10). First, use the pull-down menu /L55445 to determine a day of the 17 kinds of days for which events are to be set. Screen 2 indicates that Mon has been selected.

5. The following describes in order the functions of buttons /L55446 to /L55450.

   /L55446 Add: Use this button to add the new event. Pushing this button causes the Event setup screen Screen 3 on the next page to be displayed. (For details on event setup operation, refer to the descriptions given on the next page.)

   /L55447 Copy: Use this button to make the same setting as for the previously set event. Select the previously set event from /L55451 and push the copy button /L55447 to copy the event. (Push the [Modify] button /L55448 (described below) to modify the copy event.)

   /L55448 Modify: Use this button to change the previously registered event. Select the event to be changed from /L55451 and push the [Modify] button /L55448.

   /L55449 Delete: Use this button to delete the previously registered event. Select the event to be deleted from /L55451 and push the [Delete] button /L55449.

   /L55450 Edit Schedules: This button provides the functions similar to those of the above copy button. This button can be used to copy the events set for a set of days (Sunday to Saturday and Ex1 to Ex10) to another set of days (Sunday to Saturday and Ex1 to Ex10). (For details on Edit Schedules, refer to page 73 (EM05A058: Page 71) “Convenient Functions.”)
6. Push the Add button or Modify button on the previous page, and the Event setup screen Screen 3 will be displayed. The current settings of events are shown at the left side of the buttons 12 to 17. The following describes in order the settings of events that can be made.

- **Event time**: Refers to the event setting time. Display a keyboard for registering the time by pushing the [Modify] button 13 and enter the time.
- **Target**: Refers to the zone or group of the air-conditioner to be controlled. Push the [Modify] button 14 to select a zone or group for which schedule operations should be performed.
- **On / Off**: Sets Start, Stop or No change. Use the pull-down menu 15 for this selection.

**Advanced setting**: Push the button 16 to display an advanced setting screen Screen 4. The descriptions of the advanced setting are shown on the next page.

After setting the operation and making the advanced setting on the next page, push the [OK] button 19. To cancel the settings made, push the [Cancel] button 20 to return to Screen 2 on the previous page. When making additional settings, repeat the operations shown in steps 5 and 6. After making the necessary settings, push the [OK] button on Screen 2 of the previous page.
7. Push the [Advanced setting] button on the Event setup screen Screen 3 to display an advanced setup screen Screen 4. The current settings of events are shown at the left side of the buttons 21 to 24.

- **Operation Mode:**
  - Refers to the operation mode for a zone or group. Select Cool, Heat, Auto, Fan, Set Point or No change.
  - Note that only three modes (Set Point, Fan and No change) are available when a target zone or group (being subject to mode selection) does not provide you with an option for selecting "heating" or "cooling." In this case, you may select one of the modes from the pull-down menu 21.

- **Temperature adjustment:**
  - Refers to cooling or heating. When "cooling" or "heating" has been set in an air-conditioner (providing you with an option for selecting "heating" or "cooling"), the air-conditioner works according to the selected cooling or heating operation mode.

- **Set Temperature:**
  - Set the temperature of a zone or group. Push the [Modify] or [Disabled] button 22 according to purpose. When displaying a keyboard to register a temperature and entering a desired temperature on that keyboard, push the [Modify] button. The Disabled button is displayed only when the [Modify] button is pushed once and the desired temperature is set. Push the [Disabled] button to cancel the temperature set through the [Modify] button.

When ventilation is to be scheduled, the following settings can be made.

- Though this setting menu is displayed regardless of ventilation, no ventilation control takes place even if the setting is made.

- **Ventilation mode:**
  - Set the ventilation mode. You can select Auto, Normal, All heat exchange or No change from the pull-down menu 23.

- **Ventilation amount:**
  - Set the volume of ventilation. You can select Auto (Normal), Weak (Normal), Strong (Normal), Auto (Freshen up), Weak (Freshen up), Strong (Freshen up) or No change from the pull-down menu 24.

After making the advanced settings, push the [OK] button 25 to return to Screen 3 on the previous page.
1. Select “Schedule Setup” according to the operating procedure shown in page 56.
2. Confirm that the Schedule setup screen Screen 1 will be displayed as shown in the left-hand column.
3. Select a schedule from the list ① to change the name.
4. Display a keyboard screen by pushing the [Modify Name] button ② and enter a desired schedule name on that keyboard. A schedule name can be entered in up to 16 characters.

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

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

Even if the calendar or event is set, no schedule function works unless the schedule is enabled.
Convenient Function 1
Copy in Units of Events

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

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

1. Select “Schedule Setup” according to the operating procedure shown on page 56.

2. Confirm that the schedule setup screen Screen 1 will be displayed as shown in the left-hand column.

3. Select a schedule from ① to copy the event.

4. Push the [Event setting] button ② to display the event setup screen Screen 2.

5. Push the [Event Schedules] button ③ to display the event manipulation screen Screen 3.

The following describes in order the functions of buttons ④ to ⑨.

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

Then, select the event to be copied at ⑥ and push the [>] button ⑦ to copy the event No. 01 from Monday to Thursday.

Push the [>>] button ⑧ to copy all the events from Monday to Thursday.

Push the [<] button ⑩ once to delete the event copied incorrectly from ⑦. You must push the [<] button ⑩ as many times as necessary to delete multiple incorrect events. After making the necessary settings, push the [OK] button ⑪ to return to the event list screen Screen 2.
1. Select “Schedule Setup” according to the operating procedure shown in page 58 (EM05A058: Page 56).

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

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

2. Confirm that the schedule setup screen Screen 1 will be displayed as shown in the left-hand column.

3. Push the [Edit Schedules] button to display the data manipulation screen Screen 2.

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

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

   (For setup item deletion)
   Select the schedule to be deleted at . Next, select the setup item to be deleted from the pull-down menu . The following setup items can be selected.
   - Delete all the setup items
   - Delete only the calendar setup item

   After selecting either of the above setup items, push the [Apply] button . Last, push the [OK] button . To cancel the settings made, push the [Cancel] button and return to the schedule setup screen Screen 1.
Before performing Change Over Settings, read thoroughly the section Change Over Settings on page 39 (EM05A058: Page 37), and perform the following procedure.

1. See page 58 (EM05A058: Page 56) and select Change Over Settings.
2. Screen 1 Change Over Settings, which is shown on the left, appears. This screen shows current status (enabled / disabled) of each cooling / heating automatic change over group, control method, set value of temperature difference, and the number of the registered indoor unit groups.
3. Touch a cooling / heating automatic change over group to be set or changed as shown by /L55443, and press the [Modify] button /L55444.
4. Screen 2 Cooling / Heating Automatic Change Over Group Settings, which is shown on the left, appears. First, select a control method at /L55445.
   The following three control methods are available:
   - Fixed
   - Operating
   - Average
   For details of each control method, see page 39 (EM05A058: Page 37).
5. Set a temperature difference value for cooling / heating automatic change over with the [modify] button /L55446.
   (Setting range: 2°F - 13°F)
6. At /L55447, select an indoor unit to be added to the cooling / heating automatic change over group which is currently selected, and press the button /L55448 to add.
   To delete an indoor unit from the cooling / heating automatic change over group, select it at /L55449, and press the button /L55450.
7. To change the order of the registered indoor group /L55451, select an indoor unit to be changed at /L55449, and move it with the Up button or the Down button /L55453/L55472.
   Memo: When the control method “Fixed” is selected, the indoor unit displayed on the top in the box /L55451 becomes the representative one.
   When the operation method “Operating” is selected, a search for representative unit is performed starting from the top.
8. When all settings for this cooling / heating automatic change over group (control method, temperature difference, indoor unit registration) are completed, press the [OK] button /L55453/L55463.
   (To cancel, press the [Cancel] button /L55453/L55464.)
   Screen 3 Confirmation Display appears. When there is no problem in setting change, press the [Yes] button /L55453/L55465. (When the [No] button /L55453/L55466 is pressed, the screen 1 appears.)
9. On the screen 1, select the cooling / heating automatic change over group to be enabled at /L55443, and press the button /L55459 to enable. (Confirm the group status (enabled / disabled) displayed on /L55468)
   Only the cooling / heating automatic change over group set to enabled is controlled automatically.
10. Lastly, when all the setting changes are correct, press the [OK] button /L55459. (To cancel, press the Cancel button /L55453/L55464.)
    When the [OK] button /L55459 is pressed, the screen 3 Confirmation Display appears. When there is no problem in setting change, press the [Yes] button /L55453/L55465. This menu is ended, and System Setup Menu appears. (When the [No] button /L55453/L55466 is pressed, the screen 1 appears.)
Before performing Temperature Limit Settings, read thoroughly the section Temperature Limit Settings on page 44, and perform the following procedure.

1. See page 58 (EM05A058: Page 56) and select Temperature Limit Settings.

2. Screen 1 Temperature Limit Settings, which is shown on the left, appears. This screen shows current status (enabled / disabled) of room temperature upper / lower limit control group, and setting status of lower temperature limit, upper temperature limit, and the number of registered indoor unit groups.

3. Touch a room temperature upper / lower limit control group to be set or changed as shown by (1), and press the [Modify] button (2).

4. Screen 2 Room Temperature Upper / Lower Limit Control Group Settings, which is shown on the left, appears. First, at (3), select the indoor unit to be added to the room temperature upper / lower limit control group which is currently selected, and press the button (4) to add. To delete an indoor unit from the group, select it at (5), and press the button (6).

5. Set a lower limit of room temperature with the [Modify] button (7), and an upper limit of room temperature with the [Modify] button (8). Setting range: 36°F - 60°F for lower limit, 90°F - 122°F for upper limit.

6. When all settings for this room temperature upper / lower limit control group (indoor unit registration, settings of upper limit and lower limit) are completed, press the [OK] button (9). (To cancel, press the [Cancel] button (10).) Screen 3 Confirmation Display appears. When there is no problem in setting change, press the [Yes] button (11). Screen 1, which is shown on the top on this page, appears. (To add or change the settings in the room temperature upper / lower limit control group mentioned above, press the [No] button (12). (Screen 2 appears.)

7. On the screen 1, select a room temperature upper / lower limit control group to be enabled at (1), and press the button (3) to enable. (Confirm the group status (enabled / disabled) displayed on (4). Only the room temperature upper / lower limit control group set to enabled is controlled automatically.

8. Lastly, when all the setting changes are correct, press the [OK] button (9). (To cancel, press the [Cancel] button (10).) When the [OK] button (9) is pressed, the screen 3 Confirmation Display appears. When there is no problem in setting change, press the [Yes] button (11). This menu is ended, and System Setup Menu appears. (When the [No] button (12) is pressed, the screen 1 appears.)
Before performing Heating Optimization Settings, read thoroughly the section Heating Optimization Settings on page 45, and perform the following procedure.

1. See page 58 (EM05A058: Page 56) and select Heating Optimization Settings.

2. Screen 1 Heating Optimization Settings, which is shown on the left, appears. This screen shows current registration status of Heating Optimization Settings.

3. Touch an indoor unit to be added as shown by ①, and press the button ② to add. To deactivate this control, select an indoor unit at ③, and press the button ④.

4. Lastly, when all indoor units are registered, press the [OK] button ⑤. (To cancel, press the [Cancel] button ⑥.) Screen 2 Confirmation Display appears. When there is no problem in setting change, press the [Yes] button ⑦. This menu is ended, and System Setup Menu appears. To continue the change, press the [No] button ⑧. The screen 1 appears.

Operation of Heating Optimization Settings

Screen 1 Heating Optimization Settings

Screen 2 Confirmation
1. Select “History” by using the operation method described on page 58 (EM05A058: Page 56).
2. The History screen Screen 1 appears as shown in the left-hand column.
3. When checking for the history of system setup operations, touch the [Operation History] button ② to confirm that the Operation history screen Screen 2 is displayed. The system setup operations recorded in the controller are displayed in the order where they have been performed.
4. To return to the History screen, touch the [Close] button ④.
5. When checking for the history of automatic control operations, touch the [Auto-control history] button ⑤ to confirm that the Automatic control history screen Screen 3 is displayed.
6. Use the pulldown menu ⑥ to display the following items on the related screens:
   • Schedule History
     Use this item to display log records on schedule execution.
   • Heating opt. Cntl. History
     Use this item to display log records on optimal stop control during heating.
   • Temp. limit func. History
     Use this item to display log records on upper/lower-limit control for the room temperature.
   • Simple linkage history
     When purchasing option soft, items shown below are displayed in the pulldown menu ⑥ in addition to those shown above.
   • E-mail History
7. To return to the History screen Screen 1, touch the [Close] button ④.
8. When saving the stored log records in a memory card, insert a commercially available PCMCIA flash memory card into a slot provided at the left side of the controller and touch the [Output in file] button ③. Care should be taken for memory card insertion. Be sure to insert a memory card in such a way that the rear side of the card (not provided with a label for the manufacturer name and model name) should face upwards. When the memory card has been forcibly inserted in wrong direction, the controller may be damaged. Then, touch the [OK] button to save the log records in the memory card.
9. After checking the log record, touch the [Close] button ④.
1. Select “Setting of E-mail” according to the operating procedure shown in page 58 (EM05A058: Page 56).

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.

5. Select “Setting of E-mail” according to the operating procedure shown in page 58 (EM05A058: Page 56).

6. Confirm that the Setting of Email screen 1 will be displayed as shown in the left-hand column.

7. Select “Enable” or “Disabled” for the e-mail function 1. When “Disabled” has been selected, there is no additional setup operation for the e-mail function. To continue the setup operation, be sure to select the [OK] button 2.

8. You can monitor the current setting in the display area 3.

9. Push the [Server Setting] button 6 to display the Setting of E-mail server screen 2 will be displayed as shown in the left-hand column.

10. Push the [Modify] button 7 and enter an SMTP server address on the input screen.

11. Push the [Modify] button 7 and enter an SMTP server port number on the input screen.


13. Push the [Modify] button 7 and enter a POP server address on the input screen.

14. Push the [Modify Password] button 8 and enter a POP server password on the input screen.

15. Push the [Transmn Set] button 9 to display the Setting of E-mail transmission screen on the next page Screen 3.

16. (To cancel the settings made, push the [Cancel] button.)
15. Push the [Modify] button and enter a retransmission interval on the input screen. The retransmission interval is an e-mail retransmission interval when faults occur consecutively with the equipment. This interval time (hour) must be a value from 1 to 72. Initially, it is set to 2 hours.

16. Push the [Modify] button and enter an ITC identifier on the input screen. The name specified here is displayed in the Subject field during e-mail transmission.

17. When adding an air-conditioner for fault confirmation by e-mail, select the air-conditioner and push the [<<] button. When deleting an air-conditioner for fault confirmation by e-mail, select the air-conditioner and push the [>>] button.

18. Push the [Mail add. Set] button on the previous page to display the Setting of E-mail address screen Screen 4.

19. When adding an e-mail address for fault notification by e-mail, push the [Add] button and enter the e-mail address on the input screen. Note that a maximum of 3 e-mail addresses can be registered.

20. When sending test e-mail, select a destination e-mail address and push the [Trial mail] button.

21. After making the necessary settings, push the [OK] button to return to the Setting of E-mail screen on the previous page Screen 1. To cancel the settings made, push the [Cancel] button.

22. After finishing the necessary setting for e-mail, push the [OK] button. To cancel the settings made, push the [Cancel] button.
1. Following the steps described on page 58 (EM05A058: Page 56), select the simple linkage settings.

2. As shown in the figure of the Screen 1 on the left side, the linkage Setup setting screen will be displayed.

3. From ①, select a simple interlock program where you want change the settings.

4. Press the [Program Setup] button. (See ②) As shown in the figure of the Screen 2, the Program Setup screen will be displayed.

5. Press the [Modify] button. (See ③) Select a group/groups to be registered as the input points of the interlock function. The maximum number of 128 groups can be registered.

6. In the figure on the left side, ④ indicates the controlled items by the interlock output 1 and so does ⑤ by the interlock output 2. To change these settings, press either of the [Modify] buttons ⑥ and ⑦ according to your need.

7. The information displayed in the boxes pointed by ⑧ to ⑩ is the current settings of the event.

   a. Input condition: In this box, select a condition for the interlock input point to initiate the interlock control function. From the pull-down menu (see ⑧), select either of Not detect / St. turned ON / All turned ON / St. turned OFF / All turned OFF.

   b. Target: In this box, select a target of interlock control. Press the [Modify] button to select Zone or Group. (See ⑨)

   c. On / Off: In this box, select an operation performed when the interlock condition is met. From the pull-down menu (see ⑩), select either of No change/Start/Stop.

   Settings about operations of the hand-held remote controller:

   a. Start / Stop: From the pull-down menu (see ⑪), select either of Permitted / Prohibited / Not change.

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

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

   d. Advanced setting: Pressing this button (see ⑭) will move to the Screen 4 shown on the next page and display the Advanced setting screen. (This screen will be described on the next page.) When the settings on this page and the advanced settings described on the next page are completed, press the [OK] button. Otherwise, to go back without changing any settings, press the [Cancel] button to go back to the Screen 2. To finish all the settings, press the [OK] button in the Screen 2.
In the Screen 3 Event setting on the previous page, pressing the [Advanced setting] (See 1) will display the Advanced setting screen shown in the Screen 4 on the left side. The information displayed in the boxes pointed by 17 to 20 is the current settings of the event.

- **Operation Mode**: In this box, select an operation mode specified to Zone or Group. From the pull-down menu (see 18), select either of Cool, Heat, Auto, Fan, Set Point*, and No change.

  * Set Point can be used to order the indoor unit, which has no right to select either cooling or heating operation in the VRV, to perform the temperature control operation other than the fan operation. When the interlock condition is met, this indoor unit will operate in the same operation mode as that of another indoor unit which has the right to select either cooling or heating mode. For the same reason, even if the cooling / heating mode is set to an indoor unit which has no right to select such modes, this unit operates in the same operation mode as that of another indoor unit which has the right to select either cooling or heating mode. For detailed information about the right to select the cooling / heating mode, please refer to the operation manual of the air-conditioning unit.

- **Set Temperature**: In this box, set a temperature of Zone or Group. Pressing the [Modify] button (see 19) will display the keyboard for registering a temperature, where you can input the desired temperature. The [Disable] button will be shown after pressing the [Modify] button once to set a temperature. Pressing the [Disable] button will cancel the temperature specified by the Modify operation described above.

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

- **Ventilation mode**: In this box, set the ventilation mode. From the pull-down menu (see 20), select either of Auto / Normal / All heat exchange / No change.

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

When the advanced settings are completed, press the [OK] button to go back to the Screen 3 shown on the previous page. Pressing the [OK] buttons in the Screen 3 and the Screen 2 continuously to go back to the Screen 1 shown on the previous page.

The next step is to specify a name of the simple interlock, followed by the validity / invalidity setting. (Details of these settings will be described in the next page.)
1. Following the steps described on page 56, select the simple interlock settings.

2. As shown in the figure of the Screen 5 on the left side, the simple linkage setup screen will be displayed.

3. From (1), select a simple interlock program of which you want to change the name.

4. Pressing the [Modify Name] button (see (2)) will display the keyboard, where you can input the desired name of the interlock function. (The name of the simple interlock function can contain 16 characters maximum.)

The last thing to do is to switch between the validity / invalidity settings of the simple interlock function.

In the simple interlock setting screen shown in the figure of the Screen 6, follow the steps described below:

1. The last thing to do is to switch between the validity / invalidity settings of the simple interlock function.

   In the simple interlock setting screen shown in the figure of the Screen 6, follow the steps described below:

   From (1), select a simple interlock program for which you want to switch between the Enable / Disable settings.

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

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

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

[Note]
Even if you have made the simple interlock settings, failing to Enable the simple interlock function in this menu will not activate the function.
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 56 and select Version Information.

2. Screen 1 Version Information, which is shown on the left, appears. (The figure on the left shows an example. It may be different from the actual version.)

3. When the version number has been checked, press the [Close] button ①.
6.5 Precautions

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

The intelligent Touch Controller is equipped with internal batteries in order to run the clock during blackouts. The batteries can be enabled and disabled using the switches shown in the figure below. **The clock will not function properly when a blackout occurs if this switch is turned to [OFF].** The switches are turned to [ON] when the unit is installed. Do not touch them unless the power has been turned off for a long time. (See the next page for details on what to do if the power has been off for long periods of time.)

<Location and Setting of Switches>
As shown in the figure, set the battery switch on the left side of this controller to “OFF” (switch knob upper side) or “ON” (switch knob lower side), using a precision minus(-) screwdriver. (Turning this switch OFF does not erase the settings for groups, zones or schedule.)

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

6.6.1 LCD 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. The print may fade or wear out and discolor.
- Forced rubbing with hard cloth may cause damage to the liquid crystal display unit. Remove stains, always using a soft waste cloth.
- If the unit is stored with water droplets and stains sticking to the liquid crystal display unit, a blot may be made and the coating may come off.

6.6.2 When Leaving the Product Turned OFF for a Long Time

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

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

**[Setting the switch]**

As shown in the figure, set the battery switch on the left side of this controller to “OFF” (switch knob upper side) or “ON” (switch knob lower side), using a precision minus(-) screwdriver. (Turning this switch OFF does not erase the settings for groups, zones or schedule.)

![Setting the switch diagram]

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

**Caution**

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

#### 6.7.1 Before Having the Product Serviced

<table>
<thead>
<tr>
<th>Item</th>
<th>Description and Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>The display of the intelligent Touch Controller has gone out.</td>
<td>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.</td>
</tr>
<tr>
<td>The backlight does not go out when Backlight auto OFF is set.</td>
<td>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.</td>
</tr>
<tr>
<td>The intelligent Touch Controller cannot be operated or monitoring is not available.</td>
<td>Press and hold down the reset button on the left screen of the intelligent Touch controller for 5 seconds. Pressing this switch initialize the intelligent Touch Controller. Pressing this switch does not erase the settings for groups, zones or schedule.</td>
</tr>
</tbody>
</table>

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

**Caution**

If electric components in the intelligent Touch Controller are charged with static electricity, it may cause failure. Be sure to discharge the static electricity accumulated in your body before attempting any operation. To discharge yourself, touch a grounded metal object (control panel, etc.).
<table>
<thead>
<tr>
<th>Item</th>
<th>Description and Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>On the Monitoring screen, buzzer sounds when an area not allocated</td>
<td>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.</td>
</tr>
<tr>
<td>for a button for operation is pressed.</td>
<td></td>
</tr>
<tr>
<td>The screen flickers at a regular interval.</td>
<td>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.</td>
</tr>
<tr>
<td>Touching the screen of the intelligent Touch Controller does not</td>
<td>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.</td>
</tr>
<tr>
<td>change the display soon.</td>
<td></td>
</tr>
<tr>
<td>LCD</td>
<td>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.</td>
</tr>
<tr>
<td>On the Zone Monitoring screen of the intelligent Touch Controller,</td>
<td>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.</td>
</tr>
<tr>
<td>a filter or element sign was shown for a certain zone. Cleaning</td>
<td></td>
</tr>
<tr>
<td>the filter or element of air conditioners and resetting the</td>
<td></td>
</tr>
<tr>
<td>cleaning sigh with a remote control does not turn out the filter</td>
<td></td>
</tr>
<tr>
<td>or element sign.</td>
<td></td>
</tr>
<tr>
<td>Pressing an operation button on the screen of the intelligent</td>
<td>The positions of buttons on the touch panel may be shifted over time. See page 77 and perform touch panel calibration.</td>
</tr>
<tr>
<td>Touch Controller sounds the buzzer but operation is not accepted.</td>
<td></td>
</tr>
<tr>
<td>The intelligent Touch Controller does not allow setting of</td>
<td>When 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.</td>
</tr>
<tr>
<td>Permitted / Inhibited of the remote control.</td>
<td></td>
</tr>
<tr>
<td>An air conditioner to be connected to the intelligent Touch</td>
<td>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.</td>
</tr>
<tr>
<td>Controller has been added but the added air conditioner cannot be</td>
<td>(When trial running of the intelligent Touch Controller has not been performed, contact our representative.)</td>
</tr>
<tr>
<td>monitored on the Monitoring screen of the intelligent Touch</td>
<td></td>
</tr>
<tr>
<td>Controller.</td>
<td></td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description and Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the indication System Ctal Mng on the Monitoring screen, as shown below? This indication is shown in the following cases. When BAC net Gateway is connected to the intelligent Touch Controller, the low order control inhibit setting is available for DMS-IF, 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 DMS-IF, 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.</td>
<td>System Ctal Mng indication?</td>
</tr>
</tbody>
</table>

![System Ctal Mng indication?](image)
<table>
<thead>
<tr>
<th>Item</th>
<th>Description and Corrective Action</th>
</tr>
</thead>
</table>
| The air conditioner is supposed to operate, but it is stopped. | The followings are possible causes. Check the followings.  
1. Is the stop operation performed with the remote control of the air conditioner?  
2. When a central unit is connected in addition to this unit, is the stop operation performed with the central unit?  
3. Was the power supply for air conditioner interrupted?  
4. Is the schedule of stopping the air conditioner registered with the schedule function of the unit?  
5. Is Heating Optimization function of this unit activated?  
(The above function stops the air conditioner during the heating operation to prevent warm air when the thermo-switch is turned off.) (For details, see pages 45, 46.) |
| The air conditioner is supposed to be stopped, but it is operating. | The followings are possible causes. Check the followings.  
1. Is the start operation performed with the remote control of the air conditioner?  
2. When a central unit is connected in addition to this unit, is the start operation performed with the central unit?  
3. Is the schedule of starting the air conditioner registered with the schedule function of the unit?  
4. Is Temperature Limit function of this unit activated?  
(The above function operates the air conditioner automatically to avoid excessive increase or decrease of room temperature.) (For details, see pages 42-44.) |
| The set temperature or the operation mode of the air conditioner has been changed. | The followings are possible causes. Check the followings.  
1. Is the set temperature or the operation mode changed with the remote control of the air conditioner?  
2. When a central unit is connected in addition to this unit, is the set temperature or the operation mode changed with the central unit?  
3. Is the schedule of changing the set temperature or the operation mode registered with the schedule function of the unit?  
4. Is Change Over function of this unit activated?  
(The above function changes the operation mode and set temperature of the air conditioner automatically to maintain an optimum room temperature. (For details, see pages 37-41.) |
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.
<table>
<thead>
<tr>
<th>Item</th>
<th>Description and Corrective Action</th>
</tr>
</thead>
</table>
| The air-conditioning unit does not operate. | The air-conditioning unit might be stopped by the simple interlock control function. Check the settings of the simple interlock function.  

In the case described below, the air-conditioning unit : 1-01 will not operate.  
(Once both units : 1-00 and 1-01 are started, then the unit : 1-01 will be stopped by the simple interlock control function.)  

Starting the indoor unit : 1-00 by the simple interlock function will stop 1-01.  

The indoor units : 1-00 and 1-01 are started according to schedule.  

In this case, even though the unit : 1-01 has been scheduled to be started, the simple interlock control function stops it.  
→ It seems that the unit has not been started. |
### 6.7.2 Emergency Procedure for intelligent Touch Controller Failure

<table>
<thead>
<tr>
<th>Item</th>
<th>Description and Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>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.)</td>
</tr>
</tbody>
</table>
### 6.7.3 When it is desired to adjust screen brightness, contrast and buzzer sound level

<table>
<thead>
<tr>
<th>Item</th>
<th>Description and Corrective Action</th>
</tr>
</thead>
</table>
| Screen brightness, contrast and buzzer sound adjustment is desired. | The screen brightness, contrast and buzzer sound level are factory adjusted properly before shipment, but in case where the screen is hard to see and the buzzer is hard to hear, for example, according to the actual installation condition and usage, the screen brightness, contrast and buzzer sound level can be adjusted by the following method.  

**[Adjustment Method]**  
Adjust the volume (variable resistor) on the left side of the intelligent Touch controller with a Phillips head screwdriver while checking each level.  
The buzzer sound, screen brightness and screen contrast volume switches are located in sequence from the top as shown below.  

![Diagram of volume switches](image)

**Note**  
- Since each volume is a precision component part, do not turn the volume switch with excessive force. It should be noted that a fault is caused to the switch.  
- Do not touch other switches. (The buzzer sound volume and liquid crystal backlight brightness can be adjusted with the volume switch described above; normally, however, no such adjustment is required.)

**⚠️ 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.).

---

**EM05A058**
Part 3
intelligent Touch Controller
Web Software
Operation Manual

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1. Before Starting

To use the web interface of the intelligent Touch Controller, the target PC should meet the following requirements. Check them before starting.

Requirements for the PCs

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>CPU Pentium III 800MHz or higher or equivalent</td>
</tr>
</tbody>
</table>
| OS                        | Windows 2000 Service Pack 4 or later  
 Windows XP Service Pack 1 or later |
| Memory                    | 256MB or more |
| Free Disk Space           | 100MB or more (required for installing Java plugin) |
| Network Speed             | 10 Base-T or higher |
| Display                   | Resolution: 1024 x 768 (XGA) or more, Maximum color development simultaneously 65535 colors or more |
| Browser                   | Internet Explorer 6.0SP1 or more *1 |
| Java plugin               | J2SE (Java2 Platform Standard Edition) V1.42 *2 |

*1: If IE6.0SP1 or later is not installed, obtain it from the Microsoft website. It is downloadable for free. Other browsers, such as Netscape, may not work correctly. Be sure to use IE6.0SP1 or later.

*2: Be sure to use J2SE (Java2 Platform Standard Edition) V 1.4.2_04. Other versions are not qualified. Download it from the SUN website (for free) or contact the dealer from which you purchased this product.
2. About Web Interface

2.1 Web Interface of the intelligent Touch Controller

- Permissions: Privileges Given to Each Login Name
  There are two categories of login users: General User who can perform basic operations via the web interface and Administrator who can setup the system and change system settings.
  See page [194]

- Two Display Modes
  You can select the display mode from two modes during login process: the Basic mode which provides a simple and easy-to-use interface and the Advanced mode which allows you to use advanced setting options.
  Basic Mode See page [198]
  Advanced Mode See page [218]

- Start/Stop Operation
  You can start or stop all the devices in a group, a zone, or multiple zones at a time.
  Basic Mode See page [210]
  Advanced Mode See page [219]

- Advanced Settings for Air Conditioners
  You can set temperature, operation modes, direction of air flow, air volume, and remote controller mode of all devices in a group, a zone, or multiple zones.
  Basic Mode
  See page [211]
  Advanced Mode
  See page [221]

- Various Operation Modes
  You can operate devices from a web interface, the intelligent Touch Controller console, or a local remote controller. Also the Administrator can permit or prohibit remote controller operations of devices in a specified group or zone using the web interface.
  Advanced Mode
  See page [228]

- User Administration
  The Administrator can register or delete General Users, who can operate air conditioners via the web interface, and set/change his/her own password and General Users' password.
  See page [243]

- Scheduling Function
  The Administrator can precisely schedule operations for a specific group or zone of devices. Weekly schedule and 10 extra schedules can be created.
  See page [248]
3. Overview

3.1 Web System of the intelligent Touch Controller

The Administrator can assign (restrict) one or more air conditioners to each General User. In the following Figure 1, User 01, User 02, and User 03 can operate and monitor only their local air conditioners. However User 64 can operate/monitor air conditioners that other General Users can also operate/monitor.

Figure 1: Example of user setting

Maximum number of the registered users
Administrator = 1
General Users = 64
Total = 65
3.2 Restricted Function for each login name

There are two categories of login users: General User who can perform basic operations via the web interface and Administrator who can setup the system and change system settings. The following list shows web operations given to each category.

- **Administrator is able to:**
  - Operate air conditioners.
  - Monitor air conditioners.
  - Create schedules.
  - Set his/her own password.
  - Set or change General User’s passwords.
  - Register or delete General Users (Up to 64 users).
  - Assign devices to each General User.

- **A General User is able to:**
  - Operate air conditioners.
  - Monitor air conditioners.
  - Change his/her own password.

- **Privileges exclusive for the Administrator**
  - The Administrator can assign zones to each General User.
  - Each General User can operate or monitor only devices specified by the Administrator.

3.3 Two Display Modes of the Web Interface

In the login process of the intelligent Touch Controller web interface, users can select either of the following two modes.

- Basic Mode
- Advanced Mode

This section provides the description of the difference between these two modes.

- **Basic Mode**:

  [General Users are able to :]
  - Monitor air conditioners.
  - Operate air conditioners.

  [The Administrator is able to :]
  - Operate air conditioners.
  - Monitor air conditioners.

- **Advanced Mode**:

  [General Users are able to :]
  - Monitor air conditioners.
  - Operate air conditioners.
  - Permit and/or prohibit local remote controller operations.
  - Change his/her own password.

  [The Administrator is able to :]
  - Operate air conditioners.
  - Monitor air conditioners.
  - Permit and/or prohibit local remote controller operations.
  - Create schedules.
  - Set his/her own password (Administrator password).
  - Set or change General User’s passwords.
  - Register or delete General Users (Up to 64 users).
  - Assign one or more zones to each General User.

- **Privileges exclusive for the Administrator**
3.4 Logging into the Web Interface

1. Start Internet Explorer, and input the IP address of the intelligent Touch Controller into the address bar. 
   http: // followed by the address of the intelligent Touch Controller
   In the case of the example on the figure 1, the IP address of the intelligent Touch Controller is 150.35.20.63.

![Figure 1](image)

2. The Security warning screen (Screen 1) appears.
   The software includes the proportional distribution function and others, with which a collection file of proportional distribution is output onto the hard disk of the PC.
   No usual Java applets can output the file onto the hard disk of the PC. Therefore, the security warning screen appears.

   • If is selected, all the web functions are available.
   • If is selected, some functions (e.g., the proportional distribution function) are restricted.
   • If is selected, detailed information on authentication appears.
   • If is selected, the Java applet is always authenticated, and the Security warning screen (Screen 1) no longer appears.

   Select and press the button.

![Screen 1: Security warning screen](image)

3. The Main screen (Screen 2) appears.
   User name: Input the user name given by the administrator.
   Password: Input the password corresponding to the user name.
   GUI Mode: Select the basic mode or advanced mode by checking the radio button.
   Basic mode (See page 198)
   Advanced mode (See page 218)
After input, press **OK** to log in.

Screen 2: Main screen

If you are not authenticated, the error message ((1) in the figure) appears. Check your user name and password.

Figure (1)

If the Administrator attempts to log into the web interface without closing the system menu on the intelligent Touch Controller console, the error message ((2) in the figure) appears. In this case close the system menu, and log into it again.

Figure (2)

If the Administrator, who is logging into the web interface, attempts to log into the web interface via another PC, the error message ((3) in the figure) appears. The Administrator cannot log into the web interface via multiple PC at a time.

Figure (3)
3.5 Selecting Display Language

To select a display language to be used for the web interface:

1. Click the "Language" button (1) to display the Display language setting screen (Screen 2).
2. Click the "<<" or ">>" button to select a language to be used in this screen.
3. Select a language to be used in the web interface by clicking a radio button (2).
4. To reflect your selection, click the "OK".
   To cancel your selection, click the "Cancel".

Screen 1: Authentication screen

Screen 2: Display language setting screen
4. Basic Mode

4.1 Main Screen

You will see the following screen when logging into the web interface in the Basic mode. This section describes the Main screen shown in the figure. See the next page for more information on each item on this screen.

The above figure shows the Main screen displayed in the Icon display mode.

← The figure to the left shows the Main screen displayed in the List display mode.
Display Areas on the Main Screen

1. (Zone tree area)
   When you select a zone in this area, devices included in the zone appear in the main display area (2).

2. (Main display area)
   Displays the devices in the zone selected in the zone tree area (1).

3. (Setting area)
   This area provides status information for each device. You can also change the settings. The contents of this area vary depending on the type of the devices selected in the main display area.
   - Group setting area(Air conditioner)(See page 204)
   - Group setting area(HRV)(See page 205)
   - Group setting area(Lighting device)(See page 206)
   - Group setting area(Universal device)(See page 207)
   - Zone setting area(See page 208)

   For more information, see the appropriate page.

4. (Zone name bar)
   Displays the name of the zone selected in the zone tree area (1). Otherwise displays the status report, "Monitoring (Zone List)".

Buttons and Other Information Boxes

- User name: admin
  (Login name display)
  Displays the login name of the user currently logging into the web interface.

- Icon
  Changes the main display area to the Icon display mode.

- List
  Changes the main display area to the List display mode.

- Refresh
  Updates zone or group status information in the main display area with the most recent data of the intelligent Touch Controller.

- Log off
  Allows a user to log off the interface and return to the authentication screen.

- Increase/reduce button
  Increases or reduces the status display area.
  Increase : → Displays the status display area.
  Reduce : → Hides the status display area.

- Increase button

- Reduce button

4.2 Icons on the Screen

Each icon represents one of the categories shown in the figures to the right. Devices are grouped into these categories in advance using the intelligent Touch Controller console.

Icon assigned to each device cannot be changed via the web interface. This section explains features of each icon.

[Indoor Units]
A device registered as an “indoor unit” appears as an indoor unit icon (see Figure 1).
* In the Icon display mode, a temperature value next to each icon in the main display area represents the set temperature of the device.

<table>
<thead>
<tr>
<th>Icons in the setting area</th>
<th>Icons in the main display area</th>
</tr>
</thead>
</table>

Figure 1: Indoor unit icon
[HRV Devices]
A device registered as an “HRV device” appears as an HRV device icon (Figure 2).

<table>
<thead>
<tr>
<th>Icons in the setting area</th>
<th>Icons in the main display area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 2 : HRV icon</td>
<td></td>
</tr>
</tbody>
</table>

[Di or Dio Units]
When a device is registered as a Di or Dio unit and a lighting device icon is assigned to it using the group setting function of the intelligent Touch Controller console, it appears as a lighting device icon (Figure 3). When a device is registered as a Di or Dio unit and an icon other than the lighting device icon is assigned to it using the group setting function of the intelligent Touch Controller console, it appears as a universal device icon (Figure 4).

<table>
<thead>
<tr>
<th>Icons in the setting area</th>
<th>Icons in the main display area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 3 : Lighting device icon</td>
<td></td>
</tr>
<tr>
<td>Figure 4: Universal device icon</td>
<td></td>
</tr>
</tbody>
</table>

[Zone]
Each zone appears as a zone icon (Figure 5).

*In the Icon display mode, a temperature value next to each icon in the main display area represents the set temperature of the representative unit.

Refer to page 216 for more information on the representative unit.

<table>
<thead>
<tr>
<th>Icons in the setting area</th>
<th>Icons in the main display area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 5: Zone icon</td>
<td></td>
</tr>
</tbody>
</table>

No zone icon appears in the setting area.
4.3 Information Provided by Indoor Unit Icons

[OPERATION MODE]

COOL  HEAT  AUTO  FAN  SET POINT

[Start/Stop state]

OFF  ON

[Direction of air flow]

0  1  2  3  4

In the Swing mode the direction changes in the following order and this pattern repeats permanently: 0 → 1 → 2 → 3 → 4 → 3 → 2 → 1

[Air volume]

High  Low

[Error]

Communication error  Device error

Either of the mode icons to the left
### 4.4 Information Provided by HRV Icons

**[Ventilation mode]**

<table>
<thead>
<tr>
<th>Automatic ventilation</th>
<th>All heat exchanger ventilation</th>
<th>Normal ventilation</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="" alt="Automatic ventilation" /></td>
<td><img src="" alt="All heat exchanger ventilation" /></td>
<td><img src="" alt="Normal ventilation" /></td>
</tr>
</tbody>
</table>

**[Ventilation Amount]**

<table>
<thead>
<tr>
<th>Low</th>
<th>High</th>
<th>AUTO</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="" alt="Low (Fresh up)" /></td>
<td><img src="" alt="High (Fresh up)" /></td>
<td><img src="" alt="AUTO (Fresh up)" /></td>
</tr>
</tbody>
</table>

**[Start/Stop state]**

<table>
<thead>
<tr>
<th>OFF</th>
<th>ON</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="" alt="OFF" /></td>
<td><img src="" alt="ON" /></td>
</tr>
</tbody>
</table>

**[Error]**

<table>
<thead>
<tr>
<th>Communication error</th>
<th>Device error</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="" alt="Communication error" /></td>
<td><img src="" alt="Device error" /></td>
</tr>
</tbody>
</table>
4.5 Information Provided by Lighting Device, Universal Device, and Zone Icons

[Universal device: Start/Stop state]

- OFF
- Start +1

[Universal device: Error]

- CommErr
- Error

- Communication error
- Device error

[Lighting device: Start/Stop state]

- Turning off
- Turning on

[Lighting device: Error]

- CommErr
- Error

- Communication error
- Device error

[Zone: Start/Stop state]

- OFF
- Start +1

[Zone: Error]

- Communication error
- Device error

*1 The icon color of an operational device depends on the setting on the intelligent Touch Controller console.
4.6 Information Provided by the Setting Areas

Air Conditioner Group:

- **Group name**
  Displays the exact name of the selected group.

- **Status icon**
  Displays the current status. (See page 202)

- **Start / Stop**
  Displays the Start/Stop state of the air conditioners. You can start or stop the air conditioners, if required. (See page 210)

- **System status display area**
  Displays the system status. One of the following five icons may appear:
  - Compulsory Stop : Forced off
  - Ctl Mng : Under centralized control
  - The abnormalities in a system : Abnormal system
  - Err Code M8 : Inter-central-device communication error
  - : Indicates that transmission to the intelligent Touch Controller is in progress.

- **Operation mode**
  Displays the operation mode of the air conditioners. You can select a desired mode, if required. (See page 212)

- **Sign display area**
  Provides information on schedule programs and filter signs.
  - Indicates that the selected group is associated with one or more schedule programs.
  - Indicates that the selected group has one or more illuminated filter/element signs.

- **Room temperature**
  Displays the current room temperature. Since the suction temperature of air conditioners is used, this may not correspond to the actual room temperature.

- **Set temperature**
  Displays the temperature setting of air conditioners. You can change this value, if required. (See page 213)

- **Air flow flap**
  Displays the direction of air flow of air conditioners. You can change this setting, if required. (See page 214)

- **Fan speed**
  Displays the air volume of air conditioners. You can change this setting, if required. (See page 214)
**HRV Group:**

1. **Group name**
   - Displays the exact name of the selected group.

2. **Status icon**
   - Displays the current status. (See page 203)

3. **Start / Stop**
   - Displays the Start/Stop state of the HRVs. You can start or stop the HRVs, if required. (See page 211)

4. **System status display area**
   - Displays the system status. One of the following five icons may appear.

   - **Compulsory Stop:** Forced off
   - **Ctal Mng:** Under centralized control
   - **The abnormalities in a system:** Abnormal system
   - **: Err Code M8:** Inter-central-device communication error
   - **: Indicates that transmission to the intelligent Touch Controller is in progress.**

5. **Ventilation mode**
   - Displays the ventilation mode of HRVs. You can select a desired mode, if required. (See page 213)

6. **Sign display area**
   - Provides information on schedule programs and filter signs.

   - **Indicates that the selected group is associated with one or more schedule programs.**
   - **Indicates that the selected group has one or more illuminated filter/element signs.**

7. **Ventilation amount setting**
   - Displays the Ventilation amount setting. You can change the setting, if required. (See page 215)

8. **Freshen up function setting**
   - Displays Start/Stop state of the Freshen up function. You can turn the function on or off, if required. (See page 215)

---

**CAUTION**

For some HRV models, (5), (7), and/or (8) may not be configured. In this case, unavailable buttons are grayed out.
Lighting Device Group:

- **Group name**: Displays the exact name of the selected group.
- **Status icon**: Displays the current status. (See page 203)
- **Start / Stop**: Displays the Start/Stop state of devices. You can start or stop devices, if required. (See page 209)
- **Sign display area**: Provides information on schedule programs.

Note: **⚠ CAUTION**

When lighting devices are connected via Dio units:
The Start/Stop buttons (3) can be used.

When lighting devices are connected via Di units:
The Start/Stop buttons (3) are not displayed.
Universal Device Group:

1. Group name
   Displays the exact name of the selected group.
2. Status icon
   Displays the current status. (See page 203)
3. Start / Stop
   Displays the Start/Stop state of devices. You can start or stop devices, if required. (See page 209)
4. Sign display area
   Provides information on schedule programs.
   Indicates that the selected group is associated with one or more schedule programs.

5. System status display area
   Displays the system status. One of the following five icons may appear.
   - Compulsory Stop : Forced off
   - Ctal Mng : Under centralized control
   - The abnormalities in a system : Abnormal system
   - Err Code M8 : Inter-central-device communication error
   - : Indicates that transmission to the intelligent Touch Controller is in progress.

---

CAUTION
When lighting devices are connected via Dio units:
The Start/Stop buttons (3) can be used.
When lighting devices are connected via Di units:
The Start/Stop buttons (3) are not displayed.
Zone:

Air conditioner zone:

HRV zone:

Di/Dio zone:

(see Note)

Note: When connecting via Di units, the “Start” and “Stop” buttons are grayed out.

Notes on Zone Display:

- If one or more groups in the selected zone are operational, the Start/Stop state for the zone is “On.” If one or more groups in the selected zone are in an error state, the operation state for the zone is “Error.”

- If one or more groups in the selected zone have an illuminated filter/element sign “”, the filter/element sign for the zone also illuminates.

- An illuminated Auto Control sign “ ” informs that the selected zone is associated with one or more schedule programs.

- In the air conditioner zone area, information on the room temperature, set temperature, operation mode, air volume, and direction of air flow is provided. In the HRV zone area, information on the Ventilation mode, Ventilation amount, and Freshen up setting is provided. Data of the representative unit is displayed, rather than that of the entire zone.

Representative Unit:

In a zone monitoring process, the following group is selected as the representative unit.

- In the Icon display mode: the group displayed at the upper left corner
- In the List display mode: the top group in the list.
4.7 Starting/Stopping All the Devices in a Specific Group

Procedure for starting/stopping all the devices in a specific group
Start or stop all the air conditioners included in a specific group.
This procedure can be used when devices in the selected group are registered as “indoor unit,” “HRV,” or “Dio unit.”
This procedure supports both the Icon display and List display modes. In the figure (Screen 1) the devices are displayed in the Icon display mode.

Screen 1 : Main screen

[Procedure]
1. On the Main screen (Screen 1) select the zone which includes a desired group from the zone tree area (1).
2. In the main display area (2) the groups belonging to that zone appear. Select the group in this area.
3. The settings of the selected group appear in the setting area (3). Displayed items vary depending on the category of the group. For more information, see pages 204 to 205.

In the figure (Screen 2), an air conditioner group is selected.
Click the “Start” or “Stop” button.

Screen 2 : Group setting area (air conditioners)

--- CAUTION ---
- In the Basic mode, clicking a button, such as the “Start” and “Cool”, immediately sends your request to air conditioners and you cannot undo your operation. Therefore be sure to click only an appropriate button, especially when your operation target is a zone.
4.8 Starting/Stopping All the Devices in a Specific Zone

- Procedure for starting/stopping all the devices in a specific zone
  Start or stop all the devices included in a specific zone.
  This procedure supports both the Icon display and List display modes. In the figure (Screen 1) the devices are displayed in the Icon display mode.

Screen 1 : Main screen

![Screen 1](image)

[Procedure]
1. On the Main screen (Screen 1), select the “Monitoring (Zone list)” item from the zone tree area (1).
2. The zone list appears in the main display area (2). Select a desired zone in this area.
3. The setting area (3) changes to the zone setting area (Screen 2).

Screen 2 : Zone setting area

![Screen 2](image)

- At this time, the “Air conditioning unit” tab is selected if the selected zone includes air conditioners.
- The “HRV” tab is selected if the selected zone includes HRVs, (When both types of devices are not included, no tab is displayed.)

4. Click the “Start” or “Stop” button.

--- CAUTION ---

- Clicking the selected button does not send your request.
  If you want to send the Start request, click Stop and then Start.
4.9 Switching the Operation Mode

**Procedure for switching the operation mode**

Switch the operation mode of the air conditioner.

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

In the figure (Screen 1) the devices are displayed in the Icon display mode.

Screen 1: Main screen

![Fig. 1: Main screen](image)

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

**[Procedure]**

1. To change the setting for all the devices in a zone, select the “Monitoring (Zone list)” item from the zone tree area (1), and select the zone from the main display area (2).
   To change the setting for all the devices in a group, select the zone including the group from the zone tree area (1), and select the group from the main display area (2).
2. Change the operation mode in the setting area (3). The steps required for indoor units are different from ones for HRVs. See the appropriate section.

**[Indoor Units]**

Click the "Air conditioning unit" tab in the zone setting area (Screen 2) to change the setting of all the devices in a zone.

Screen 2: Zone setting

![Fig. 2: Zone setting](image)

Use the group setting area (Screen 3) to change the setting of all the devices in a group.

Screen 3: Group setting (air conditioners)

![Fig. 3: Group setting](image)

Click one of the following buttons according to your requirement.

- **Cool**: Changes the operation mode to Cool.
- **Heat**: Changes the operation mode to Heat.
- **Fan**: Changes the operation mode to Fan.
- **Set Point**: Changes the operation mode to Set Point.
- **Auto**: Changes the operation mode to Auto.
[HRV Devices]
Click the "HRV" tab in the zone setting area (Screen 4) to change the setting of all the devices in a zone.

Screen 4 : Zone setting

Use the group setting area (Screen 5) to change the setting of all the devices in a group.

Screen 5 : Group setting (HRV)

Click one of the following buttons according to your requirement.

- **Automatic** Changes the operation mode to Automatic ventilation.
- **Heat Exchange** Changes the operation mode to All heat exchanger ventilation.
- **Normal** Changes the operation mode to Normal ventilation.

**CAUTION**
- Some of the above setting options may not be used depending on the model of the HRVs. In this case, unavailable buttons are grayed out.

**CAUTION**
- Mode setting buttons that cannot be used for the selected zone or group are grayed out.

Ex.: Cool, Heat

---

### 4.10 Changing the Temperature Setting

- **Procedure for changing the temperature setting**
  Change the temperature setting of air conditioners.

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

In the figure (Screen 1) the devices are displayed in the Icon display mode.

Screen 1 : Main screen
The temperature setting can be switched by zone or by group.
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).
   Select a zone or a group of which the temperature setting is to be changed (2).
   On Screen 1 Monitoring, select a zone or a group from the pull-down menu (1), zone including the group from the zone tree area (1), and select the group from the main display area (2).
2. Click the ↓ or ↑ button (4) to change the temperature setting.
   Ex.: For the Figure 1 zone setting, the temperature settings available are between 68 °F and 86 °F inclusive.

**Figure 1:**

<table>
<thead>
<tr>
<th>Zone name</th>
<th>Group name</th>
<th>Range of temperature settings available (see NOTE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canteen</td>
<td>1 F North</td>
<td>77˚F - 86˚F</td>
</tr>
<tr>
<td></td>
<td>1 F West</td>
<td>68˚F - 77˚F</td>
</tr>
</tbody>
</table>

When the temperature setting is 86 °F, the actual temperature settings for air conditioners are as shown in Figure 2:

**Figure 2:**

<table>
<thead>
<tr>
<th>Zone name</th>
<th>Group name</th>
<th>Temperature setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canteen</td>
<td>1 F North</td>
<td>86˚F</td>
</tr>
<tr>
<td></td>
<td>1 F West</td>
<td>77˚F</td>
</tr>
</tbody>
</table>

**NOTE:**
Range of temperature settings available is the range specified in accordance with the following.
- Range of temperature settings inherent to the air conditioner main unit.
- Range of temperature as a result of the restriction by temperature setting limit set on the intelligent Touch Controller console.
For more information, refer to the intelligent Touch Controller Software manual.

### 4.11 Changing the Direction of Air Flow and Air Volume

- **Procedure for changing the direction of air flow/air volume**
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.
In the figure (Screen 1) the devices are displayed in the Icon display mode.
The fan direction or volume can be changed by zone or by group.

**Screen 1 : Main screen**
[Procedure]
1. On Screen 1 Monitoring, select a zone or a group from the pull-down menu (1).
   Select a zone or a group of which the fan direction or volume is to be reset (2).
   To change the setting for all the devices in a group, select the zone including the group from the zone tree
   area (1), and select the group from the main display area (2).
2. Click the “ ” or “ ” button (4) to change the direction of air flow.
   Click the “ ” or “ ” button (5) to change the air volume.

--- CAUTION ---
• For some air conditioner models, the direction of air flow and/or air volume cannot be changed. In this
  case these buttons ((4) and (5)) are grayed out.

4.12 Changing the Ventilation Amount and the Freshen Up Function

Procedure for changing the HRV settings
Change the Ventilation amount and the Freshen up settings for HRVs.
On the Monitoring screen, operation is allowed with either Icon or List as the display type.
In the figure (Screen 1) the devices are displayed in the Icon display mode.

Screen 1 : Main screen

The Ventilation amount and Freshen up settings for all the HRVs in a specific zone or group can be changed all
together.

[Procedure]
1. On Screen 1 Monitoring, select a zone or a group from the pull-down menu (1).
   Select a zone or a group of which the fan direction or volume is to be reset (2).
   To change the setting for all the devices in a group, select the zone including the group from the zone tree
   area (1), and select the group from the main display area (2).
2. Click the “ ” tab in the zone setting area (Screen 2) to change the settings for HRVs in a zone.

Screen 2 : Zone setting area

Use the group setting area (Screen 3) to change the settings for HRVs in a group. Use the following buttons
on each screen.
4.13 Notes on the Basic Mode

- CAUTION
  • In the Basic mode, buttons for bulk operation, such as the “Start All” and “Stop All” for the Advanced mode, are not provided. Therefore a General User, who does not have a privilege to operate “All” zones, cannot perform bulk start/stop operations.
  If a General User wants to start or stop all the air conditioners, he or she should click the “Start” or “Stop” button manually, for all the zones that he or she has a privilege to operate.

- CAUTION
  • In the Basic mode, clicking a button, such as “Start”, “Stop”, or “Auto”, immediately sends your request to air conditioners and you cannot undo your operation. Therefore be sure to click only an appropriate button, especially when your target is a zone.

- CAUTION
  • Clicking the selected button (see the above figure) does not send your request. If you want to send the Start request, click Stop and then Start.

4.14 Monitoring Operations of All the Devices in a Specific Zone or Group

- Procedures for monitoring zone or group operations
  Monitor operations in both the Icon and List display modes.
  Click the “Icon” or “List” button to switch the display mode.
Screen 1: Main screen (Icon display mode)

Operations can be monitored by zone or by group. To monitor operations of devices in a zone, select the “Monitoring (Zone list)” item from the zone tree area (1). The operation status appears in the main display area (2).

To monitor operations of devices in a group, select the zone including the group from the zone tree area (1). The operation statuses for all the groups included in the selected zone appear.

[In the Icon Display Mode]
In the main display area (2), information on the Start/Stop state, temperature setting, and error status for the selected zone or group is provided.

* About Zone:
- If one or more groups in the selected zone are operational, the Start/Stop state for the zone is “On.”
- If one or more groups in the selected zone are in an error state, the operation state for the zone is “Error.”
- If one or more groups in the selected zone have an illuminated filter/element sign, the filter/element sign for the zone also illuminates.
- An illuminated Auto Control sign informs that the selected zone is associated with one or more schedule programs.
- In the air conditioner zone area, information on the room temperature, set temperature, operation mode, air volume, and direction of air flow is provided. In the HRV zone area, information on the Ventilation mode, Ventilation amount, and Freshen up function is provided.

Data of the representative unit is displayed, rather than that of the entire zone.

* For more information on the zone representative unit is follow on.

[In the List Display Mode]
In the main display area (2), information on the Start/Stop state, presence/absence of malfunction, Auto Control setting, and filter/element sign, temperature setting, operation mode, and room temperature for that zone or group is provided.

When a zone is selected, the setting area (3) (Screen 1) displays the settings of the representative unit.

Screen 2: Main screen (List display mode)
CAUTION

Zone representative unit

In a zone monitoring process, the following group is selected as the representative unit.
- In the Icon display mode: the group displayed at the upper left corner
- In the List display mode: the top group in the list

(For zones including HRVs)

For zones including both air conditioner and HRV groups: Clicking the "HRV" tab displays status data of HRVs. For the purpose of status indication in the zone setting area, data of the representative unit is displayed, rather than that of the entire zone. The HRV group displayed at a higher position than any other HRV groups is selected as the representative unit.
5. Advanced Mode

5.1 Main Screen

This section provides the description of the Main screen for the Advanced mode. When logging into the application in the Advanced mode, you will see the following screen.

The above figure shows the Main screen displayed in the Icon display mode.

The figure to the left shows the Main screen displayed in the List display mode. In the List display mode the area (5) is not provided.

- **Display Areas on the Main Screen**
  1. **Zone tree area**
     - When you select a zone in this area, devices included in the zone appear in the main display area (2).
     - **When logging into the web interface as a General User, the “Schedule” item does not appear.**
  2. **Main display area**
     - Displays devices in the zone selected in the zone tree area (1). Also setting functions related to the zone is provided. In the Icon display mode, the icons set in the intelligent Touch Controller console are used.
  3. **System status display area**
     - Displays the system status such as “in Compulsory Stop mode.”
  4. **Login name display**
     - Displays the login name of the user currently logging into the web interface.
(5) (Status display area in the Icon display mode)
Provides device status information. This bar is displayed only in the Icon display mode.

- **Action Buttons**

  - **Icon**
    Changes the main display area to the Icon display mode.
  - **List**
    Changes the main display area to the List display mode.
  - **Start All**
    Starts all the air conditioners for which the login user has an operation privilege. (See page 220)
  - **Stop All**
    Stops all the air conditioners for which the login user has an operation privilege. (See page 220)
  - **Start**
    Starts all the devices included in the selected zone or group. (See page 219 to 220)
  - **Stop**
    Stops all the devices included in the selected zone or group. (See page 219 to 220)
  - **Information**
    Launches a dialog box displaying detailed information on the selected zone or group. (See page 232)
  - **Setup**
    Launches a dialog box where you can set up the selected zone or group. (See page 221)
  - **Legends**
    Launches a dialog box describing detailed information on items displayed in the Icon/List display modes. (See page 230)
  - **Return**
    Returns to the screen specified by the previous zone tree setting. You can return to the screen up to 20 generations (maximum).
  - **Undoes your return operation.**
  - **Refresh**
    Updates zone or group status information in the main display area with the most recent data of the intelligent Touch Controller.
  - **Log off**
    Allows users to log off and returns to the login authentication screen.

5.2 Starting/Stopping All the Devices in a Specific Group

- **Procedure for starting/stopping all the devices in a specific group**
Start or stop all the air conditioners included in a specific group.

**[Procedure]**

1. On the Main screen (Screen 1) select the zone which includes a desired group from the zone tree area (1).

   **Screen 1 : Main screen**

   ![Screen 1: Main screen](image)

2. Groups assigned to the selected zone appear in the main display area (2). Select the group in this area.

3. Click the “**Start**” or “**Stop**” button.

5.3 Starting/Stopping All the Devices in a Specific Zone

- **Procedure for starting/stopping all the devices in a specific zone**
Start or stop all the devices in air conditioner groups assigned to a zone all together.
[Procedure]
1. Select the “Monitoring (Zone list)” item from the zone tree area (1) in the Main screen (Screen 1).

Screen 1 : Main screen

2. A zone list appears in the main display area (2). Select a desired zone in this area.

3. Click the “Start” or “Stop” button.

5.4 Starting/Stopping Air Conditioners All Together

- Procedure for starting/stopping air conditioners all together

Start or stop all of the registered air conditioners all together.
This procedure supports both the Icon and List display modes. In the figure (Screen 1) the devices are displayed in the Icon display mode.

Screen 1 : Main screen

[Procedure]
1. Click the “Start All” or “Stop All” button.

--- CAUTION ---
- In the bulk stat/stop operation, only the devices for which the login user has an operation privilege are started or stopped. However if the login user is the Administrator, all the devices are started or stopped. See 3-4 for more information on permissions of the web interface.
5.5 Switching the Operation Mode

- Procedure for switching the operation mode
  Switch the operation mode of the air conditioner.
  On the Monitoring screen, operation is allowed with either Icon or List as the display type.
  In the figure (Screen 1) the devices are displayed in the Icon display mode.
  Screen 1: Main screen

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

**[Procedure]**

1. To change the setting for all the devices in a zone, select the “Monitoring (Zone list)” item from the zone tree area (1), and select the zone from the main display area (2).
   To change the setting for all the devices in a group, select the zone including the group from the zone tree area (1), and select the group from the main display area (2).

2. Press the “Setup”. Screen 2 Operation appears.

Screen 2: Setup screen

![Setup screen](image)
3. Select the Set checkbox in the Operation mode frame (3). Check one of the radio buttons (4) to select a desired operation mode. 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.

4. Press the “OK” button.
   To cancel the setting, press the “Cancel” button.

Ex.: For the zone of the figure 1 you can set the operation mode to “Fan”, “Cool”, “Heat”, “Set Point”, or “Auto”. When one or more air conditioners in the zone do not have Cool/Heat option, you can select only Fan or “Set Point” mode.

Figure 1

5.6 Changing the Temperature Setting

Procedure for changing the temperature setting
Change the temperature setting of air conditioners.
On the Monitoring screen, operation is allowed with either Icon or List as the display type.
In the figure (Screen 1) the devices are displayed in the Icon display mode.

Screen 1 : Main screen

The temperature setting can be switched by zone or by group.
When all the air conditioners in the selected group or zone are in the Fan mode, the temperature setting cannot be changed.

[Procedure]
1. On Screen 1 Monitoring, select a zone or a group from the pull-down menu (1).
   Select a zone or a group of which the temperature setting is to be changed (2).
   To change the setting for all the devices in a group, select the zone including the group from the zone tree area (1), and select the group from the main display area (2).
2. Press the “Setup” button. Screen 2 Operation appears.
3. Select the Set checkbox (3) in the Set temperature frame, and set the integral and decimal parts using the pull-down menus (4).
   In a zone setting, the pull-down menus are pre-populated with allowable temperature values for the air conditioners in the zone. See the following example.

4. Press the \( \text{OK} \).
   To cancel the setting, press the "\( \text{Cancel} \)".

Ex.: For the zone setting in the figure 1, the temperature settings available are between 68°F and 86°F inclusive.

**Figure 1**

<table>
<thead>
<tr>
<th>Zone name</th>
<th>Group name</th>
<th>Range of temperature settings available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canteen</td>
<td>1F North</td>
<td>77°F - 86°F (see NOTE)</td>
</tr>
<tr>
<td></td>
<td>1F West</td>
<td>68°F - 77°F</td>
</tr>
</tbody>
</table>

When the temperature setting is 86°F, the actual temperature settings for air conditioners are as shown in the figure 2.

**Figure 2**

<table>
<thead>
<tr>
<th>Zone name</th>
<th>Group name</th>
<th>Range of temperature settings available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canteen</td>
<td>1F North</td>
<td>86°F</td>
</tr>
<tr>
<td></td>
<td>1F West</td>
<td>77°F</td>
</tr>
</tbody>
</table>

**NOTE**

Range of temperature settings available is the range specified in accordance with the following.
- Range of temperature settings inherent to the air conditioner main unit.
- Range of temperature as a result of the restriction by temperature setting limit set on the intelligent Touch Controller console.

For more information refer to the intelligent Touch Controller manual.

### 5.7 Resetting Filter/Element Signs

**Procedures for resetting filter signs**

When one or more air conditioner provide filter/element signs, clean the specified filters or elements, and then reset the filter/element sign.

This procedure supports both the Icon and List display modes. In the figure (Screen 1) the devices are displayed in the Icon display mode.
Screen 1: Main screen

You can reset all the signs displayed on air conditioners in a group or zone all together.

[Procedure]
1. On Screen 1 Monitoring, select a zone or a group from the pull-down menu (1).
   Select a zone or a group of which the temperature setting is to be changed (2).
   To change the setting for all the devices in a group, select the zone including the group from the zone tree area (1), and select the group from the main display area (2).
2. Press the “Setup”. Screen 2 Operation appears.

Screen 2: Setup screen

3. Select the Reset checkbox in the Filter sign frame.
4. Press the “OK”.
   To cancel the setting, press the “Cancel”.  

CAUTION
- In a zone setting, if one or more devices in the zone do not provide the filter/element sign, the Reset checkbox is grayed out.

5.8 Changing the Direction of Air Flow and Air Volume

Procedure for changing the direction of air flow/air volume
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.
In the figure (Screen 1) the devices are displayed in the Icon display mode.
Screen 1: Main screen

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).
   Select a zone or a group of which the fan direction or volume is to be reset (2).
   To change the setting for all the devices in a group, select the zone including the group from the zone tree area (1), and select the group from the main display area (2).
2. Press the "Setup" button. Screen 2 Operation appears.
Screen 2: Setup screen

3. When setting the air volume, select the Set checkbox in the Air volume frame (3), and check one of the radio buttons, Low or High, to select desired air volume.
When setting the direction of air flow, select the Set checkbox in the Direction of air flow frame (4) and select your desired value using the pull-down menu. Any integer value from 0 to 7 can be selected.
4. Press the “**OK**”.
   
   To cancel the setting, press the “**Cancel**”.

*Guideline for determining the direction of air flow and air volume*

Selecting a higher number results in a more vertical direction. The value "7" indicates the Auto Swing mode. However some models may not support this setting. Check the direction of air flow displayed on the local remote controller screen after setting.

5.9 Changing the HRV settings

- **Procedure for changing the HRV settings**

  Change HRV settings.

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

  In the figure (Screen 1) the devices are displayed in the Icon display mode.

  **Screen 1 : Main screen**

  ![Screen 1: Main screen](image)

  You can change settings of all the HRVs included in a zone or group all together.

  **[Procedure]**

  1. On Screen 1 Monitoring, select a zone or a group from the pull-down menu (1).
     
     Select a zone or a group of which the fan direction or volume is to be reset (2).
     
     To change the setting for all the devices in a group, select the zone including the group from the zone tree area (1), and select the group from the main display area (2).

  2. Press the “**Setup**”. Screen 2 Operation appears.
Screen 2 : Zone Setup screen

When selecting a zone including HRVs, the Zone Setup screen (Screen 2) appears.

1. Click the "HRV setting" button to display the HRV setting screen (Screen 3). You can set up the following two items.

Screen 3 : HRV setting screen

- **Ventilation mode**
  - In this frame the Ventilation mode can be changed. Select the Set checkbox, and check a desired radio button.

- **Ventilation amount**
  - In this frame the Ventilation amount setting can be changed. Select the Set checkbox, and check a desired radio button.

Upon completion, click the "OK" button (6) and return to the Main screen.

[When Selecting an HRV Group]

When selecting an HRV group, the Group setup screen (Screen 4) appears. This dialog box offers the following items.
Screen 4 : Group setup screen

(7) **Current Condition**
Displays the current HRV status. The following four data items are provided.
- Start/Stop state
- Ventilation mode
- Ventilation amount
- Filter sign

(8) **Start/Stop**
In this frame you can start or stop the devices. Select the Set checkbox and check a desired radio button.

(9) **Ventilation mode**
In this frame you can select a Ventilation mode. Select the Set checkbox and check a desired radio button.

(10) **Ventilation amount**
In this frame you can select a Ventilation amount setting. Select the Set checkbox and check a desired radio button.

(11) **Filter sign**
When the Reset indicator is not grayed out, one or more filter signs illuminate. In the Screen 2 the indicator tells that no sign illuminates.
To reset the filter signs, select the Reset checkbox.

(12) **R/C Mode (Start/Stop)**
In this frame you can permit or prohibit the start/stop operation through remote controllers. Select the Set checkbox and check a desired radio button.

Upon completion, click the "OK" button on each screen and return to the Main screen.

---

**CAUTION**
- Some HRV models may not support the Freshen up and/or Ventilation amount setting options. In this case unavailable buttons are grayed out.

---

5.10 Permitting/Prohibiting Remote Controller Operations

- **Procedure for permitting/prohibiting remote controller operations**
Permit or prohibit operations through remote controllers.
On the Monitoring screen, operation is allowed with either Icon or List as the display type.
See next page in the figure (Screen 1) the devices are displayed in the Icon display mode.
Screen 1 : Main screen

You can change the settings of all the devices included in a group or zone.

[Procedure]
1. On Screen 1 Monitoring, select a zone or a group from the pull-down menu (1).
   Select a zone from a main display area to be changed.
   To change the setting for all the devices in a group, select the zone including the group from the zone tree
   area (1), and select the group from the main display area (2).
2. Press the “Setup” button. Screen 2 Operation appears.

Screen 2 : Setup screen

For an HRV group setting, see the previous page.

3. The area under the R/C Mode heading (3) includes three frames to permit/prohibit operations through
   remote controllers. Select the Set checkbox in each frame to set.
   • Start/Stop
     "Permitted"
     "Stop Only"
     "Prohibited"
   • Operation Mode
     "Permitted" or "Prohibited"
   • Set Temperature
     "Permitted" or "Prohibited"
4. Upon completion, click the "OK" button. To cancel your settings, click the "Cancel" button.

5.11 Monitoring Operations of All the Devices in a Specific Zone or Group

- Procedures for monitoring zone or group operations
  Monitor operations in both the Icon and List display modes.
  Select a display mode using the "Icon" or "List" button.
  Operations can be monitored by zone or by group.
  Screen 1: Main screen (Icon display mode)

![Monitoring Operations of All the Devices in a Specific Zone or Group](image)

To monitor operations of devices in a zone, select the "Monitoring (Zone list)" item from the zone tree area (1). The operation status appears in the main display area (2).

To monitor operations of devices in a group, select the zone including the group from the zone tree area (1). The operation statuses for all the groups included in the selected zone appear.

**[Displayed Items in the Icon Display Mode]**
You can monitor the Start/Stop state and presence or absence of error, Auto Control setting, and filter/element sign for each group or zone in the main display area (2).
In the Icon display mode, the bottom bar ((3) in the Screen 1) displays information on the selected zone or group. The following information is offered.

(When all the devices operate normally)
- Temperature setting
  For a zone, the operation mode of the representative unit is shown.
- Operation mode
  For a zone, the temperature setting of the representative unit is shown.
- Group name
  For a zone, the zone name is shown.

(When any of the devices failed)
- Error code
  For a zone, the error code that explains the status of the failed device is shown.
- Group name
  For a zone, the zone name is shown.
  For more information on the representative unit, see the next figure.

**[Displayed Items in the List Display Mode]**
In the main display area (2) the following zone or group information is displayed.

- Start/Stop state
  For a zone, see the following section.
- Presence/absence of error
  For a zone, see the following section.
• Presence/absence of Auto Control setting  
  For a zone, see the following section.
• Presence/absence of filter/element signs  
  For a zone, see the following section.
• Temperature setting  
  For a zone, the temperature setting of the representative unit is shown.
• Operation mode  
  For a zone, the operation mode of the representative unit is shown.
• Room temperature  
  For a zone, the room temperature of the representative unit is shown.
• Error code  
  For a zone, the error code that explains the status of the failed device is shown.

The frames ((4) in the Screen 1 and 2) at the lower right corner show legends.

Screen 2 : Main screen (List display mode)

![Image of Screen 2]

To see the detailed legend information shown in the Screen 3, click the “Legends” button.

Screen 3 : Legends screen

![Image of Screen 3]

To return to the Main screen, click the “Close” button.

---

**CAUTION**

Representative unit:
In a zone monitoring process, the following group is selected as the representative unit.
- In the Icon display mode: the group displayed at the upper left corner
- In the List display mode: the top group in the list.
[Notes on Zone Display]

• If one or more groups in the selected zone are operational, the Start/Stop state for the zone is “On.” If one or more groups in the selected zone are in an error state, the operation state for the zone is “Error.” If one or more groups in the selected zone have an illuminated filter/element sign, the filter/element sign “ ” for the zone also illuminates.

• An illuminated Auto Control sign “ ” informs that the selected zone is associated with one or more schedule programs.

• In the air conditioner zone area, information on the room temperature, set temperature, operation mode, air volume, and direction of air flow is provided. In the HRV zone area, information on the Ventilation mode, Ventilation amount, and Freshen up setting is provided. Data of the representative unit ( CAUTION ) is displayed, rather than that of the entire zone.

5.12 Monitoring Detailed Information

- Procedures for monitoring detailed information

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

Screen 1 : Main screen

[Procedure]

1. To view information on a zone, select the “Monitoring (Zone list)” item from the zone tree area (1). To view information on a group, select the zone including the group from the zone tree area. Then select the target zone or group in the main display area (2).

2. Click the “ Information ” button. The Information screen (Screen 2) appears and provides the following data items.
### [For an air conditioner group]

1. **Name** : Group name
2. **Description** : Group description
3. **Type** : Air conditioner or device
4. **D3 Address** : Address between 1-00 and 4-15
5. **Schedule** : Enable/Disabled
6. **Heating Optimization** : Enable/Disabled
7. **Temperature Limit** : Enable/Disable
8. **Change Over** : Enable/Disable
9. **Slv R/C** : Mst/Slv
10. **Cool/Heat Option** : With/Without
11. **Ou/Unit Addr** : Address of outdoor unit
12. **Err Code** : Error code
13. **Err Unit No** : Error unit number

**NOTE**

Neither Err Code nor Err Unit No are displayed under a normal operation.

### [For a zone]

14. **Name** : Zone name
15. **Description** : Zone description
16. **Start by 1** : Enabled/Disabled
17. **Interval** : Interval when Enabled is set for the above
18. **Nb of Regist Grp** : Numbers of registered groups
19. **Schedule** : Enabled/Disabled

Click the "Close" button to return to the Main screen.

On the Information screen for HRV groups, items 1), 2), 3), 4), 5), and 9) (plus 12) and 13) in an error state) are displayed. For Dio groups, items 1), 2), 3), 4), and 9) (plus 12) and 13) in an error state) are displayed. For Di groups, items 1), 2), 3), and 4) (plus 12) and 13) in an error state) are displayed.

3. Click the "Abnormal history" button (3) on the previous screen) button to display the Abnormal history screen (Screen 3). In this screen you can check errors that the selected devices have encountered. If no error has occurred, the Screen 4 appears.

Screen 3 : Abnormal history screen  
Screen 4 : Abnormal history screen

Click the "Close" button to return to the Information screen.
Error event information including the time occurred, error code, and error unit number are recorded and sorted by time occurred. Up to 10 historical error events can be recorded. When an error event with the same error code as one for the already registered event occurs in a specific group, only the time is updated. For a specific group two or more error events with the same error code are not registered.

5.13 Monitoring Detailed Operation Status

- Procedure for monitoring detailed operation status

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

Screen 1: Main screen

[Procedure]
1. To view information on a zone, select the “Monitoring (Zone list)” item from the zone tree area (1). To view information on a group, select the zone including the group from the zone tree area. Then select the target zone or group in the main display area (2).

2. Click the “Setup” button to display the Setup screen (Screen 2).

This screen provides the following information.

Screen 2: Setup screen
(1) Name (Description)
Displays the name and description of a zone or group.

(2) Current Condition
- Start/Stop state
- Room temperature
- Operation Mode
- Presence or absence of filter signs

(3) Air volume
Displays current air volume.

(4) Direction of air flow
Displays current direction of air flow.

The area under the R/C Mode heading includes three frames to display the setting for permission/prohibition of operation through remote controller. In each frame one of the following options are highlighted.

(5) Start/Stop
- "Permitted"
- "Stop Only"
- "Prohibited"

(6) Operation Mode
- "Permitted" or "Prohibited"

(7) Set Temperature
- "Permitted" or "Prohibited"

3. Upon completion, click the " " (8) button to return to the Main screen.

--- CAUTION ---
- This screen can be used for both setting and monitoring. When using it only for monitoring, be sure to click the " Cancel " button, rather than the " OK " to close it. This prevents you from inadvertently changing existing settings.

5.14 Monitoring Operation Status of HRVs

- Procedure for monitoring HRV operation
The operation of all the HRVs can be monitored by zone or by group.

Screen 1 : Main screen

[Procedure]
1. To view information on a zone, select the "Monitoring (Zone list)" item from the zone tree area (1). To view information on a group, select the zone including the group from the zone tree area. Then select the target zone or group in the main display area (2).

2. Press the " Setup " button. Screen 2 Operation appears.
When selecting a zone including HRVs, the Zone setup screen (Screen 2) appears. Click the "HRV setting" button to display the HRV setting screen (Screen 3).

You can view the following two items.

4. Ventilation mode
   Displays the current Ventilation mode.

5. Ventilation amount
   Displays the current Ventilation amount.

Upon completion, click the "Cancel" button to return to the Main screen.

When selecting an HRV group, the Group setup screen (Screen 4) appears. You can view the following items in this screen.
Screen 4 : Group setup screen

(7) Current Condition
- Start/Stop state
- Ventilation amount

(8) R/C Mode (Start/Stop)
Displays the setting for permitting/prohibiting start/stop operations through remote controllers.

Upon completion, click the "Cancel" button on each screens to return to the Main screen.

CAUTION
- This screen can be used for both setting and monitoring. When using it only for monitoring, be sure to click the "Cancel" button, rather than the "OK" to close it. This prevents you from inadvertently changing existing settings.
6. About System Setup Menu

6.1 Overview

The System Setup menu is provided in the zone tree area displayed in the Advanced mode. This menu provides the following menu items.

<table>
<thead>
<tr>
<th>System Setup Privileges (Menu Item)</th>
<th>Permissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrator</td>
<td>General User</td>
</tr>
<tr>
<td>Password Setting</td>
<td>√</td>
</tr>
<tr>
<td>Registration of General Users</td>
<td>×</td>
</tr>
<tr>
<td>Deletion of General Users</td>
<td>×</td>
</tr>
<tr>
<td>Assigning Zones to General Users</td>
<td>×</td>
</tr>
<tr>
<td>Creating Schedules</td>
<td>×</td>
</tr>
</tbody>
</table>

○ : Granted  × : Denied

The following table explains these privileges (system setup menu items).

<table>
<thead>
<tr>
<th>System setting Menu Name</th>
<th>Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Password Setting</td>
<td>Each General User can change his/her own login password. The Administrator can change not only his/her own login password but also registered General Users’ login passwords.</td>
<td>See page [242]</td>
</tr>
<tr>
<td>Registration of General Users</td>
<td>The Administrator can register General Users using this menu item. Registered General Users can operate air conditioners and other devices through the web interface. Up to 64 General Users can be registered.</td>
<td>See page [243]</td>
</tr>
<tr>
<td>Deletion of General Users</td>
<td>The Administrator can delete any of the registered General Users.</td>
<td>See page [244]</td>
</tr>
<tr>
<td>Assigning Zones to General Users</td>
<td>The Administrator can assign one or more zones to each General User. The General User can operate devices included in these zones. Zones are created in advance using the intelligent Touch Controller console. It is impossible to create a zone via the web interface.</td>
<td>See page [245]</td>
</tr>
</tbody>
</table>

Overview:

Schedule Creation Procedure

The Schedule menu item allows you to create operation schedules and link it to one or more zones or groups.

You can automatically start/stop air conditioners at a point in time. The time value (Year, Month, Day, Day of week, Hour, Minute) is set in advance on the intelligent Touch Controller according to the usage of the air conditioners.

The options provided for creating schedule events are:

- Start/Stop
- Operation mode
- Ventilation mode (+)
- Setting temperature
- Ventilation amount (+)

(+): Only for HRVs

The following describes the steps required to make a plan to create scheduling patterns.

- There are two types of schedule patterns: 7 regular schedule patterns (applied to Sun to Sat) and 10 extra schedule patterns (Ex1 to Ex10). To get things started, make a plan for creating these 17 schedule patterns on the "calendar setting table." Write down your plan in the "calendar setting table."
- Do the setting of "calendar setting": "weekly setting", "extra schedule patterns".
- Ex.: Regular schedule patterns are for normal business days and extra schedule patterns are for a special period such as summer holidays.
- You can create schedule programs for the next 13 months.
- Finally assign events to the above 17 schedule patterns (regular schedule patterns: Sun to Sat; extra schedule patterns: Ex1 to Ex10).

Ex.: Starts devices in zone 1 at 9:00 and stops at 17:00 Up to 16 operations can be set for each day.

Up to 8 schedule programs can be set, by concerning the schedules above as one.

See page [248]
## Zone Setting

1. **[Floor usage]**
   - 1F: Reception counter Names this zone “1F.”
   - 2F: Office Names this zone “2F.”
   - 3F: Canteen Names this zone “3F.”

## Schedule Calendar Setting

2. **[Information required to create the schedule for each zone is recorded on the “calendar setting table.” Each column corresponds to a zone and each row corresponds to a schedule pattern (for each day of the week and extra schedule days).]**

<table>
<thead>
<tr>
<th>Day of week</th>
<th>Zone name</th>
<th>Zone 1F</th>
<th>Zone 2F</th>
<th>Zone 3F</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUN</td>
<td>Holiday</td>
<td></td>
<td>Holiday</td>
<td>Holiday</td>
</tr>
<tr>
<td>MON</td>
<td>9:30-18:00 Duty hours</td>
<td>8:30-17:00 Duty hours</td>
<td>9:00-14:30 Duty hours</td>
<td></td>
</tr>
<tr>
<td>TUE</td>
<td>ditto</td>
<td>ditto</td>
<td>ditto</td>
<td></td>
</tr>
<tr>
<td>WED</td>
<td>9:30-17:00 Duty hours</td>
<td>ditto</td>
<td>ditto</td>
<td></td>
</tr>
<tr>
<td>THU</td>
<td>same as Mon</td>
<td>ditto</td>
<td>ditto</td>
<td></td>
</tr>
<tr>
<td>FRI</td>
<td>same as Mon</td>
<td>ditto</td>
<td>ditto</td>
<td></td>
</tr>
<tr>
<td>SAT</td>
<td>Holiday</td>
<td>Holiday</td>
<td>Holiday</td>
<td></td>
</tr>
<tr>
<td>Ex1</td>
<td>third Sat of every month</td>
<td>Concerned as a working day</td>
<td>Concerned as a working day</td>
<td>Concerned as a working day</td>
</tr>
<tr>
<td>Ex2</td>
<td>1st Aug to 20th Aug 29th Dec to 4th Jan</td>
<td>Holiday</td>
<td>Holiday</td>
<td>Holiday</td>
</tr>
<tr>
<td>Ex3</td>
<td>28th Dec</td>
<td>9:00-12:00 Service hours</td>
<td>9:00-12:00 Service hours</td>
<td>Holiday</td>
</tr>
<tr>
<td>Ex4</td>
<td>5th Jan</td>
<td>10:00-15:00 Service hours</td>
<td>9:00-12:00 Service hours</td>
<td>9:00-14:30 Duty hours</td>
</tr>
</tbody>
</table>
### System Setting Menu

#### Menu Name Example: Scheduling

<table>
<thead>
<tr>
<th>Time</th>
<th>Target Zone</th>
<th>Start/Stop Operation mode</th>
<th>Set temperature</th>
<th>Remote Controller Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Zone 2F</td>
<td>ON</td>
<td>Null</td>
<td>Override</td>
</tr>
<tr>
<td>12:00</td>
<td>Zone 2F</td>
<td>OFF</td>
<td>Null</td>
<td>Null</td>
</tr>
<tr>
<td>13:00</td>
<td>Zone 2F</td>
<td>ON</td>
<td>Null</td>
<td>Override</td>
</tr>
<tr>
<td>17:00</td>
<td>Zone 2F</td>
<td>Null</td>
<td>Null</td>
<td>Permits only stopping</td>
</tr>
<tr>
<td>22:00</td>
<td>Zone 2F</td>
<td>OFF</td>
<td>Null</td>
<td>Prohibits remote controller operations</td>
</tr>
</tbody>
</table>

Example: event settings for Sat and Sun

<table>
<thead>
<tr>
<th>Time</th>
<th>Target Zone</th>
<th>Start/Stop Operation mode</th>
<th>Set temperature</th>
<th>Remote Controller Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Zone 2F</td>
<td>Null</td>
<td>Null</td>
<td>Override</td>
</tr>
<tr>
<td>17:00</td>
<td>Zone 2F</td>
<td>OFF</td>
<td>Null</td>
<td>Prohibits remote controller operations</td>
</tr>
</tbody>
</table>

Example: event settings for Ex1 (third Sat of each month)

<table>
<thead>
<tr>
<th>Time</th>
<th>Target Zone</th>
<th>Start/Stop Operation mode</th>
<th>Set temperature</th>
<th>Remote Controller Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Zone 2F</td>
<td>ON</td>
<td>Null</td>
<td>Override</td>
</tr>
<tr>
<td>12:00</td>
<td>Zone 2F</td>
<td>OFF</td>
<td>Null</td>
<td>Null</td>
</tr>
<tr>
<td>13:00</td>
<td>Zone 2F</td>
<td>ON</td>
<td>Null</td>
<td>Override</td>
</tr>
<tr>
<td>17:00</td>
<td>Zone 2F</td>
<td>Null</td>
<td>Null</td>
<td>Permits only stopping</td>
</tr>
<tr>
<td>22:00</td>
<td>Zone 2F</td>
<td>OFF</td>
<td>Null</td>
<td>Prohibits remote controller operations</td>
</tr>
</tbody>
</table>

Example: event settings for Ex2 (for example, summer holidays)

<table>
<thead>
<tr>
<th>Time</th>
<th>Target Zone</th>
<th>Start/Stop Operation mode</th>
<th>Set temperature</th>
<th>Remote Controller Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Zone 2F</td>
<td>Null</td>
<td>Null</td>
<td>Override</td>
</tr>
<tr>
<td>17:00</td>
<td>Zone 2F</td>
<td>OFF</td>
<td>Null</td>
<td>Prohibits remote controller operations</td>
</tr>
</tbody>
</table>

Example: event settings for Ex3 (M. 12 D. 28)

<table>
<thead>
<tr>
<th>Time</th>
<th>Target Zone</th>
<th>Start/Stop Operation mode</th>
<th>Set temperature</th>
<th>Remote Controller Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Zone 2F</td>
<td>ON</td>
<td>HEAT 77°F</td>
<td>Override Prohibits temperature setting Prohibits operation mode setting</td>
</tr>
<tr>
<td>12:00</td>
<td>Zone 2F</td>
<td>OFF</td>
<td>Null</td>
<td>Prohibits remote controller operations</td>
</tr>
</tbody>
</table>

Example: event settings for Ex4 (M. 1 D. 5)

<table>
<thead>
<tr>
<th>Time</th>
<th>Target Zone</th>
<th>Start/Stop Operation mode</th>
<th>Set temperature</th>
<th>Remote Controller Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00</td>
<td>Zone 2F</td>
<td>ON</td>
<td>HEAT 77°F</td>
<td>Override Prohibits temperature setting Prohibits operation mode setting</td>
</tr>
<tr>
<td>12:00</td>
<td>Zone 2F</td>
<td>OFF</td>
<td>Null</td>
<td>Null</td>
</tr>
<tr>
<td>13:00</td>
<td>Zone 2F</td>
<td>ON</td>
<td>Null</td>
<td>Override Prohibits temperature setting Prohibits operation mode setting</td>
</tr>
<tr>
<td>15:00</td>
<td>Zone 2F</td>
<td>OFF</td>
<td>Null</td>
<td>Prohibits remote controller operations</td>
</tr>
</tbody>
</table>

* "Null" indicates that the previous state is maintained in the time frame.

### Copying or Deleting Schedule Programs

You can copy or delete existing schedule programs. See page [256]

### Copying or Deleting Schedule Events

You can copy or delete existing schedule events. See page [257]

### Naming a Schedule

You can change a default schedule name to a descriptive one. See page [258]
<table>
<thead>
<tr>
<th>System setting Menu Name</th>
<th>Example : Scheduling</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Proportional distribution function</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Outline explanation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>The proportional distribution calculation of the power consumption of each air conditioner is made, displayed, and output in files.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This function makes it possible to measure the total power consumption of the air conditioners of facilities, such as a tenant building, with a meter and calculate the power consumption of each air conditioner on a tenant basis.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Normal Type ...... The amount of power consumption can be divided proportionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• The function is available on the website if it is used together with the proportional distribution software as an optional application.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The following web setting and control items of the proportional distribution function are available.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&lt;Setting items&gt;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Exclusion Periods (Normal Type)</td>
<td>See page [137]</td>
</tr>
<tr>
<td></td>
<td>• Special Calculation Days (Normal Type)</td>
<td>See page [138]</td>
</tr>
<tr>
<td></td>
<td>&lt;Control items&gt;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Setting/Display of collection result</td>
<td>See page [139]</td>
</tr>
<tr>
<td></td>
<td>• File output of collection result</td>
<td>See page [140]</td>
</tr>
<tr>
<td></td>
<td>A procedure for proportional distribution control is explained below.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Exclusion Periods (Normal Type)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>You can set the desired time zone between 0:00 and 24:00 and the day of the week for not performing proportional distribution calculation.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Special Calculation Days (Normal Type)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Proportional distribution calculation between 0:00 and 24:00 is possible for holidays (public holidays and national holidays) other than regular closing days (e.g., Saturdays and Sundays). You can set the desired time zone and day of the week in the exclusion period zone as well.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Setting/Display of collection result</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Set the period to display the result of proportional distribution. The display of either the period or month is possible.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• File output of collection result</td>
<td></td>
</tr>
<tr>
<td></td>
<td>You can save the result of proportional distribution calculation in CSV file format into the hard disk of the PC.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• For details, refer to the operation manual of the intelligent Touch Controller software.</td>
<td></td>
</tr>
</tbody>
</table>
6.2 System Setup

This menu item provides the following functions:

- Changing passwords (This page and next page)
- Registration/deletion of General Users (See page 244 to 245)
- Assigning one or more Zones to each General User (See page 246)

[To Change Your Own Password]
1. Log into the interface as the Administrator or a General User
2. Select the System Setup node from the zone tree area (1) to display the System setup main screen (Screen 1).

Screen 1: System setup main screen

3. Double click the Password chg icon (2) to display the Modify Password screen.

Screen 2: Modify Password screen

4. Enter the existing password into the Present password (3) field. If you have no password, skip this field.
5. Enter a new password into the New password field (4). Then enter the password again into the Checking of new password field (5) for confirmation. These two fields accept up to 15 characters.
6. Upon completion, click the "OK" button.

--- CAUTION

Administrator passwords for web interface and console

A new Administrator password set in this screen is also used for the system console menu and you will not be able to use the system console menu without entering the new password. On the other hand, setting an Administrator password on the system console not only makes the console unavailable without entering the password, but also replaces the existing Administrator password for the web interface with the password set on the console.
[To Change a General User Password (When You are the Administrator)]

1. Log into the interface as the Administrator, and select the System Setup node (1) from the zone tree area to display the System setup main screen (Screen 1).

Screen 1 : System setup main screen

![System setup main screen](image)

2. Double click the User settg icon (2) to display the User settg dialog box (Screen 2).

Screen 2 : User settg dialog box

![User settg dialog box](image)

3. Select a user name from the User name list (3), and click the “Modify Password” button (4). Note that the “admin” item in the list represents the Administrator. The Modify Password dialog box (Screen 3) appears.

Screen 3 : Modify Password screen

![Modify Password screen](image)

4. Enter a new password in the Password field (5) and re-enter the same password in the Password check filed (6) for confirmation.
5. Upon completion, click the **OK** button.

To cancel your entry, click the **Cancel** button.

---

**NOTE**

- You also can change the Administrator password in the User setting dialog box (Screen 2). In this case, select the "admin" rather than a user name in the step 3. Click the **Modify Password** button (4). Then repeat the steps 4 and 5.

---

**[To Register a General User]**

1. Log into the interface as the Administrator, and select the System Setup node (1) from the zone tree area to display the System setup main screen (Screen 1).

**Screen 1 : System setup main screen**

![System setup main screen](image)

2. Double click the User setting icon (2) to display the User setting dialog box (Screen 2).

**Screen 2 : User setting dialog box**

![User setting dialog box](image)

3. Click the **User addition** button (3) to display the Add user dialog box (Screen 3).
4. Enter the user name to be registered in the User name field (4).
5. Enter a new password of the User in the Password field (5) and re-enter the same password in the Password check field (6) for confirmation.
6. Upon completion, click the “OK” button.
   To cancel your entry, click the “Cancel” button.

[To Delete a General User]
1. Log into the interface as the Administrator, and select the System Setup node (1) from the zone tree area to display the System setup main screen (Screen 1).

Screen 1 : System setup main screen

2. Double click the User settg icon (2) to display the User settg dialog box (Screen 2).
3. Select the name of the user to be deleted from the User name list (3), and click the “...” button to display the Deletion of user confirmation dialog box (Screen 3). Click the Yes button to confirm your selection.

Screen 3 : Deletion of user confirmation dialog box

[Assigning Zones to General Users]
1. Log into the interface as the Administrator, and select the System Setup node (1) from the zone tree area to display the System setup main screen (Screen 1).

Screen 1 : System setup main screen

2. Double click the User settg icon (2) to display the User settg dialog box (Screen 2).
3. Select the zone you want to assign or remove and click the “Zone editing” button (3). The Zone editing dialog box (Screen 3) appears.

Screen 2: User setting dialog box

Screen 3: Zone editing dialog box

4. Select a zone to be assigned to the selected user from the right list (5) and click the “<<” button (6). The zone is moved to the left list (4). To remove an assigned zone, select the zone from the left list (4) and click the “>>” button (7). The zone is removed from the list.

5. To change the order of items in the left list (4), use the “Up” (8) and “Down” (9) buttons.

6. Upon completion, click the “OK” button.
   To cancel your entry, click the “Cancel” button.
7. Creating Schedules

7.1 Main Scheduling Screen

This section describes the components of the main scheduling screen. When selecting the “Schedule” node (1) from the zone tree area, you will see the following screen (the “main scheduling screen”).

(1) Schedule node in the zone tree area
Selecting this node displays the main scheduling screen.

(2) Schedule program list
Lists the name and status (Enabled/disabled) for each schedule program.

(3) Enable/Disable radio buttons
Displays the status of the program selected in the list. You can enable or disable it using these buttons.

Modify
Displays the Schedule Setup screen.
For more information on the Schedule Setup screen layout, see the next page.

Edit Schedules
Displays the Edit Schedule screen.
For the description of how to use this button, see the page 256.
7.2 Schedule Setup dialog box

(1) Pattern radio buttons and Pattern bar
A Pattern bar displays various operations to be performed for each day. Pattern radio buttons are used to select the schedule pattern to be edited. (See page 252)

(2) Pattern change
Changes schedule patterns. (See page 253)

(3) Edit Schedules
Copies or deletes schedule patterns. (See page 254)

(4) Name change
Renames Ex schedule patterns. (See page 258)

(5) Name change
Renames schedule programs displayed on the main scheduling screen. (See page 258)

(6) Schedule Calendar area
Renames schedule programs displayed on the main scheduling screen. (See page 255)

(7) Legends area
Describes the symbols representing each schedule pattern.

(8) Calendar change
Used to assign one or more dates to an Ex schedule. (See page 255)
7.3 Using the Schedule Menu

- To edit a schedule program

[Procedure]
1. Select the Schedule node (1) from the zone tree area.

Screen 1: Main scheduling screen

2. The schedule program list (2) appears. You can create up to 8 schedule programs. Select the schedule program you want to set up or change, and click the "Modify" (3) button.

3. The Schedule Setup dialog box (Screen 2) appears where you can set up or change the schedule program.

Screen 2: Schedule Setup dialog box

See the following pages for the instructions.
- Regular schedule pattern: (See next page)
- Ex schedule pattern: (See page 254)
7.4 Creating Regular Schedule Patterns

To create regular schedule patterns

1. To create regular schedule patterns (Sun to Sat), select a target day of the week by clicking an appropriate pattern radio button (1).

Screen 1 : Schedule Setup screen

2. Click the “Pattern change” button (2) to display the Pattern change dialog box (Screen 2).

Screen 2 : Pattern change dialog box

3. To add a new schedule event, click the “Add” button (3).

A new event item appears in the top row of the schedule event list (6). You can set up or change a new or existing event item in this list.
4. Select the new event added in the step 3 or an existing event, and set or change various variables of the event using options in the schedule event setup area (7).
To set or change these variables, select the Set checkbox in each frame and click a desired radio button. In each frame below you can:
- **Run time:**
  Set a time value that indicates when the event should occur using the pull-down menus.
- **Target:**
  Set/change a target zone or group.
  Click the "Modify" button to display the Target dialog box (Screen 3), where you can select a target group or zone.
- **Start/Stop:**
  Select an action (Start or Stop) that the event triggers using the radio buttons.
- **Set Temperature:**
  Set the temperature setting value for the selected zone or group using the radio buttons.
- **Operation mode:**
  Set the operation mode for the selected zone or group using the radio buttons.
- **R/C Mode:**
  Permit or prohibit the remote controller operation using the radio buttons. In each of the following three frames, you can:
  - **Start/Stop:**
    Permit or prohibit the start/stop operation through remote controllers.
  - **Operation Mode:**
    Permit or prohibit the modification of the operation mode through remote controllers.
  - **Set Temperature:**
    Permit or prohibit the modification of the temperature setting through remote controllers.
- **Ventilation mode:**
  Set the HRV's ventilation mode using the radio buttons.
- **Ventilation amount:**
  Set the HRV's ventilation amount.

**CAUTION**
- When the devices in the target group or zone are not HRVs or HRVs that do not support these settings, your selection will be ignored even if the Set checkbox is selected.

5. Upon completion, click the "OK" button on the Pattern change dialog box (Screen 2).

Screen 2 : Pattern change dialog box

To cancel your selection, click the "Cancel" button.
Return to the Schedule Setup screen (Screen 1 of the previous page). You will confirm your settings on this screen.

[Other Buttons]

(4) **Delete**
Deletes the event item selected in the schedule event list (6).

(5) **Copy**
Duplicates a selected event item in the schedule event list (6).

6. In the Schedule Setup screen the schedule pattern bar in the figure (Screen 4) appears. Each mark represents:
Screen 4: Pattern bar

Screen 5: Example of pattern bars

The marks on the bar indicate the time frame (half-hour unit, for example: 0:00 to 0:29, 0:30 to 0:59) within which the event should occur. (See the examples in the Screen 5.)

If the setting is satisfactory, click the "OK" button.

Return to the main scheduling screen (Screen 6).

Screen 6: Main scheduling screen

7. In this screen you can enable the schedule program just created. By default it is disabled. Click the Enable radio button to enable it.

**CAUTION**
- Disabled schedule programs do not work.

The regular schedule patterns are now created.
7.5 Creating Ex Schedule Patterns

To create Ex schedule patterns

1. You can also create 10 extra schedule patterns (Ex1 to 10) in the Schedule Setup screen (Screen 1). Click an appropriate radio button (1) to select the Ex schedule pattern to be set up or changed.

   Screen 1 : Schedule Setup screen

2. Click the "Pattern change" button to display the Pattern change dialog box (Screen 2).

   Screen 2 : Pattern change dialog box

3. To add a new schedule event, click the "Add" button (3).
   A new event item appears in the top row of the schedule event list (6).
   You can set up or change a new or existing event in this list.

4. Select the new event added in the step 3 or an existing event, and set up or change various variables of the event using options in the schedule event setup area (7).
   To set up or change these variables, select the Set checkbox in each frame and click a desired radio button. For the description of the setting options, see the “Creating Regular Schedule Patterns” section.

5. Upon completion, click the "OK" button on the Pattern change dialog box (Screen 2). To cancel your entry, click the "Cancel" button.
   Return to the Schedule Setup screen (Screen 1).

6. Repeat the steps 1 to 5 in this procedure if other extra schedule patterns should be set up.

7. In the Schedule Setup screen the schedule pattern bar in the figure (Screen 3) appears. For the description of each mark, see the “Creating Regular Schedule Patterns” section.
8. Then mark the dates on the calendar to indicate when the Ex schedule events should occur. As shown in the figure, by default no Ex schedule is associated (1). (Regular schedule patterns are applied to all the dates.)

9. The Calendar change screen (Screen 2) appears. Click the Set checkbox (2).

10. Click the appropriate radio button to select the Ex schedule pattern to be set.

11. With the Ex schedule pattern radio button selected, click a date on the calendar to assign that date to the Ex schedule pattern.

12. Upon completion, click the “ ” button to return to the main scheduling screen.

In this screen you can enable the schedule program just created. By default it is disabled. Click the Enable radio button to enable it.

---

**CAUTION**

- Disabled schedule programs do not work.

The extra schedule patterns are now created.
7.6 Copying or Deleting a Schedule Program

■ To copy or delete a schedule program

1. Click the "Edit Schedules" button (1) in the main scheduling screen (Screen 1).

Screen 1: Main scheduling screen

2. The Edit Schedule screen (Screen 2) appears.

Screen 2: Edit schedule screen

[Copy Procedure]
Select a source schedule program in the left list (2) and a target schedule program in the right list (3). In the example (Screen 2) the items of the Schedule 1 are copied to the Schedule 2. Then select a copy option in the pull down menu (4). The following options are provided:

• All settings are overwritten.
• Only the calendar setting is overwritten.

Click the "Apply" button (5).

Then click the "OK" button to complete the copy process.

[Deletion Procedure]
Select the schedule program to be deleted in the right list (3) and then choose a deletion option from the pull down menu (4). The following options are provided:

• All settings are deleted.
• Only the calendar setting is deleted.

Click the "Apply" button (5).

Then click the "OK" button to complete the copy process.
7.7 Copying or Deleting Schedule Events

To copy or delete schedule events

1. Click the "Edit Schedule" button (1) in the Schedule Setup screen (Screen 1).

Screen 1: Schedule Setup screen

2. The Edit Schedule screen (Screen 2) appears.

Screen 2: Edit Schedule screen

[Copy Procedure]
Select a source date in the left pull down menu (2) and a target date in the right pull down menu (3). The following two copy options are provided.

1) To overwrite all the events of the target date (3) with ones of the source date (2), click the "Overwrite all patterns" button.

2) To insert an event selected in the left list (4) into the right list (5), select appropriate events and click the "Add selected event" button.

[Deletion Procedure]
Select the date including the event to be deleted in the right pull down menu (3). Then choose the target event from the events displayed in the right list (5) and click the "Delete selected event" button.

3. Then click the "OK" button to complete the copy process.
7.8 Naming a Schedule Program

To name a schedule program

1. Select the schedule program to be named in the list (1) on the main scheduling screen (Screen 1), and click the “Modify” button.

   Screen1: Main scheduling screen

2. The Edit Schedule Setup screen (Screen 2) appears.

   Screen2: Schedule Setup screen

   Click the “Name change” button (2).

3. The Name Change dialog box (Screen 3) appears. Enter a name into the field of this box. Up to 16 characters can be entered.

   Screen 3:

   Screen 4:

4. Click the “OK” button to complete this process.
5. To name an Ex schedule pattern, select the Ex schedule pattern from the list (3) on the Schedule Setup screen (Screen 2), and click the “Name change” button (4).
6. The Name Change dialog box (Screen 4) appears. Enter a name into the field of this box. Up to 16 characters can be entered.
7. Click the “OK” button to complete this process.

7.9 Menu Structure of Proportional Distribution Function

This page explains the screen displayed when the schedule menu is selected.

When (1) Pwr Prop Dist is selected, the following Main screen of proportional distribution appears.

7.10 Display Area

1. Zone tree area
   When Pwr Prop Dist is selected, the Main screen of proportional distribution appears.

2. Total result list
   The collection result of proportional distribution is distributed as a list.

3. Collection Period
   The collection period of proportional distribution appears.

4. Strat
   The start date of the collection period of proportional distribution appears.

5. End
   The end date of the collection period of proportional distribution appears.
7.11 Buttons

Proportional distribution data on the period or month set is collected and distributed in the collection result list in the display area (2).

Set period
You can select the desired set period of proportional distribution.
* When the Set period radio button is selected, the Month radio button is grayed out.

Modify
You can set the start and end dates of the collection of proportional distribution.

Month
You can select the desired month of proportional distribution.
* When the Month radio button is selected, the Set period radio button is grayed out.

20
You can set the desired calculation date of the collection month of proportional distribution.

Exclusion Periods (Normal Type)
Set the desired time zone and the day of the week for not performing proportional distribution calculation.

Special Calculation Days (Normal Type)
Proportional distribution calculation is possible for holidays (public holidays and national holidays) other than regular closing days (e.g., Saturdays and Sundays).

Indoor unit
You can set the collection result list of proportional distribution data on an indoor unit basis.

Zone
You can set the collection result list of proportional distribution data on a zone basis.

All
The display of the total of the collection result list of proportional distribution data.

Output in file
You can save the result list of proportional distribution data in CVS file format on the hard disk of the PC.

Return
Press this button to return to the previous screen displayed in the zone tree. (You can return to a maximum of 20 screens.)

Move forward
Press the Return button to advance the screen displayed in the zone tree.

Log off
Press this button to log off and return to the login screen.
7.12 Settings for Exclusion Periods (Normal Type)

You can set the desired time zone between 0:00 and 24:00 and the day of the week for not performing proportional distribution calculation.

Example You can use this screen if you want to collect a fixed amount charge for normal business hours on weekdays and calculate the proportional distribution of power consumption only for overtime and holidays.

* You can make exclusion period settings on a time zone basis (between 0:00 and 24:00) or on a day-of-the-week basis.

These settings are made for the whole system, and you can make individual settings on a group or zone basis.

1. Press (1) in the Main screen (Screen 1) for proportional distribution.
   Screen 2 for exclusion periods appears.
   Screen 1: Main screen for proportional distribution
   Screen 2: Screen for exclusion periods

2. Set the desired day of the week for the target exclusion period.
   Check the corresponding radio button in the Enable/Disabled field (2).
   The start time and ending time appear in the Start/Ending time field (3).

3. Press the buttons for the start time and ending time and set the period.
   Check that the set start time and ending time are displayed in the Start/Ending time field (3).

4. If you want to disable any exclusion period already set, select the corresponding day of the week and press the Disabled radio button in the Enable/Disabled field (2).
   The Start/Ending time filed (3) is grayed out and the settings are disabled.
5. If you want to make an exclusion period for a different day of the week, repeat steps 2 and 3 of the above. Go to step 6 to finish the settings.

6. Press (4) **OK** on completion of the settings.
   Press (5) **Cancel** to cancel the settings.
   The Main screen (Screen 1) for proportional distribution appears.

### 7.13 Setting Special Calculation Days (Normal Type)

Take the following steps to set special calculation days.
It is possible to make exceptional settings so that you can make the proportional distribution calculation of the already-set exclusion period of any full day (i.e., 0:00 to 24:00) of the week.

**Example** You can make the above exceptional settings if you want to make the proportional distribution calculation of the 24-hour periods of specified holidays (public holidays and national holidays), other than regular closing days (e.g., Saturdays and Sundays).

* You can make settings on a year basis, and the month and date that are set will be valid in the next year as well.

If settings are made for February 29 of a leap year, the same setting will be effective on February 29 in the next leap year. This function has a setting range up to December 2037.

1. Press (1) **Special Calculation Days (Normal Type)** in the Main screen (Screen 1) for proportional distribution.
   Screen 2 for special calculation days appears.

Screen 1: Main screen for proportional distribution

Screen 2: Screen for special calculation days
2. Press **<<** or **>>** to select the desired month to be set.

3. Select the desired special calculation day of the month in the calendar field (2). When the date is selected, a square appears around the date.
   ∗ If an exclusion period is set for any day, the day will be marked with an asterisk.

4. If you want to cancel the proportional distribution calculation of a particular day of the month, select the date in the Calendar field.
The square box around the day disappears and the setting is canceled.

5. If you want to set another special calculation day, repeat steps 2 and 3 of the above. Go to step 6 to finish the settings.

6. Press (3) **OK** on completion of the settings.
   Press (4) **Cancel** to cancel the settings.
The Main screen (Screen 1) for proportional distribution appears.

### 7.14 Setting Collection Periods of Proportional Distribution Result (Period Settings)

Period settings enable you to make arbitrary settings for the period of collecting the result of proportional distribution.

Example: Use this function if you want to make a zone change or increase the number of air conditioners during a month and you want to see the proportional distribution results before and after the change or increment.

∗ The possible setting range of the start date is from the first day of the month of the previous year to the last day of the month and that of the end date is from the first day of the month of the previous year to the day before the last day of the month.

1. Select the Set period radio button from the collection field (1) in the Main screen for proportional distribution (Screen 1).
The collection start date and end date appear.
   ∗ If the Month radio button is selected in the collection field (1), the collection start date, end date, and modify buttons are grayed out.

Screen 1: Main screen for proportional distribution
Creating Schedules

Screen 2: Screen for collection start date

2. Press (2) to change the collection start date.
Press (3) to change the collection end date.
When you select the collection start date, Screen 2 for the collection start day appears. When you select the collection end date, Screen 3 for the collection end date appears.

3. Select the collection start month or end month. Select the desired month with the << or >> in Screens 2 or 3.
   * If the change to the previous month is not possible, the << is grayed out. If the change to the next month is not possible, the >> is grayed out.

4. Select the collection start date or end date. Select the date in the calendar field (4) in Screen 2 or Screen 3.
The selected date is grayed out.

5. Check that the collection start date and end date in the Date field (5) in Screens 2 and 3 are correct.
   If the selected date is incorrect or if you want to make changes, take steps 2 to 4 of the above.

Screen 3: Screen for collection end date

6. Press (6) in Screen 2 and Screen 3 on completion of the settings.
Press (7) to cancel the settings.
The Main screen (Screen 1) for proportional distribution appears.
Check that the start date and end date are properly set in the Start/End field (8).
If they are incorrect, take steps 2 to 5 of the above.
7.15 Setting Collection Periods of Proportional Distribution Result (with Month Specified)

You can display the result of proportional distribution on a monthly basis with the desired month specified. Moreover, by specifying the calculation periods, you can display the result of proportional distribution between the specified calculation dates of the previous month and the next month.

Example 
You can use this function to see the result of power proportional distribution of in-building facilities (e.g., tenants).

* The collection period is from 0:00 of the specified calculation date of the previous month to the 0:00 of the specified calculation date of the present month.

Example 
If the calculation date is set to 20 while the date displayed on the Intelligent Touch Controller is October 20, the result of proportional distribution displayed covers a period from September 20 to October 19.

1. Select the Month radio button from the collection field (1) in the Main screen (Screen 1) for proportional distribution.
   The Calculation date combo box appears.
   * If the Set period radio button is selected in the Collection field (1), the Calculation date combo box is grayed out.

Screen 1: Main screen for proportional distribution

Screen 2: Screen for calculation date
2. Open the Calculation date combo box and set the target date. Refer to Screen 2 for calculation date. If the date settings are completed, check that the selected dates appear in the Calculation date field (2).
   * This function has a setting range from the first day to 31st day of the month.
   
   If you set the calculation date to 31st but the month has no 31st day, the calculation period will start from the end of the month. In the case of February, the calculation period will start February 28.
   (In the case of a leap year, a total period will start February 29.)

7.16 Display Method of Proportional Distribution Result-1

You can display and check the collection result of proportional distribution data in the list of the Collection result field. Moreover, you can save the result of proportional distribution in CSV format on the hard disk of the PC.

* If you select “No” in the security warning screen (see page 5), you cannot save the file on the hard disk of the PC.

If you want to save the file on the hard disk of the PC, once quit Internet Explorer, start Internet Explorer, and select “Yes” and “Always” in the security warning screen.

Before displaying the result of proportional distribution, make exclusion period, special calculation day, and calculation period (period and month) settings.

- Exclusion Periods (Normal Type) ...................(See page 137)
- Special Calculation Days (Normal Type) .........(See page 138)

- Calculation period
  - Set period..................................................(See page 139)
  - Month .....................................................(See page 140)

1. Before displaying the result of proportional distribution, make exclusion period (normal type), special calculation day (normal type), and collection period (period and month) settings.

Press the (1) button in the Main screen (Screen 1) for proportional distribution. Screen 2 for power distribution export result appears.

Screen 1: Main screen for proportional distribution

Screen 2: Collection check
2. The message “This processing may take time. Start processing?”
   To start processing, press (2) Yes.
   If you do not want to start processing, press (3) No.
   * The Main screen (Screen 1) appears when you press No.

3. If there were periods when no collection data was obtained, Screen 3 for the collection result appears.
   Press (4) OK.
   * The periods when no collection data was obtained are displayed in the format of [YMD][H]:00.

Screen 3: Collection result

Go to the chapter 7.17.
7.17 Display Method of Proportional Distribution Result-2

4. The collection result list (5) shows the result of proportional distribution. The contents of the display are explained below.

- Indoor unit check button
  The result of proportional distribution is displayed on an indoor unit basis. The collection result list shows the name and integral power consumption of each indoor unit along with the power consumption of the indoor unit not in operation.

- Zone check button
  Press this button to display the sum total of the results of proportional distribution of all the indoor units registered with the zone. The collection result list shows the name and integral power consumption of the zone along with the power consumption of the zone not in operation.

- Total check button
  Press this button to display the sum total of the results of proportional distribution of all the indoor units. The collection result list shows the integral power consumption of the total air conditioners and the power consumption of these air conditioners not in operation.

- Calculation period
  The period displayed shows the collection start year, month, and date and the collection end year, month, and date.

Screen 4: Screen for collection result of air conditioners

Screen 5: Screen for zone collection result
5. Screen 4 or 5 or 6 appears as explained below, depending on the button selected.
   Air conditioner check button: Screen 4 for the collection result of air conditioners.
   Zone check button: Screen 5 for the zone collection result.
   Total check button: Screen 6 for the total collection result.

6. To save the collection result on the hard disk of the PC, press (6) button in Screens 4 to 6.
   Select and save the desired portion.
   * The collection result is saved in CSV format.
   Three files, i.e., ZONE.CSV, HOURLY.CSV, and a file containing data on the collection period (collection start date_end date) with the delimiter and extension (.CSV), are saved.

7. If you want to display and save the result of proportional distribution of a different period, repeat steps 1 to 6.
8. Before Contacting US : Troubleshooting

<table>
<thead>
<tr>
<th>Problems</th>
<th>Possible Reasons and Solutions</th>
</tr>
</thead>
</table>
| Air conditioners are not operational, although I did not click the stop button on the web interface. | The most likely causes are:  
1. The air conditioners were stopped using the local remote controllers.  
2. The air conditioners were stopped from the intelligent Touch Controller console or any centralized controller.  
3. A power failure occurred.  
4. A schedule program set via the web interface stopped the air conditioners.  
5. The Heating Optimization function of the intelligent Touch Controller stopped the conditioners.  
In the HEAT operation mode room temperature may increase if thermostats do not work. The function prevents this problem by automatically stopping air conditioners.  
For more information, refer to the intelligent Touch Controller operation manual. |
| Air conditioners are operational, although I did not click the start button on the web interface. | The most likely causes are:  
1. The air conditioners were started using local remote controllers.  
2. The air conditioners were started from the intelligent Touch Controller console or any centralized controller.  
3. A schedule program set via the web interface started the conditioners.  
4. The Temperature Limit function of the intelligent Touch Controller started the air conditioners.  
This function prevents room temperature from becoming extremely high or low by automatically starting air conditioners when a specified temperature threshold is exceeded.  
For more information, refer to the intelligent Touch Controller operation manual. |
| The temperature setting and/or operation mode of the air conditioner were changed, although I did not change these settings on the web interface. | The most likely causes are:  
1. The settings were changed using the local remote controllers.  
2. The settings were changed from the intelligent Touch Controller console or any centralized controller.  
3. A schedule program set via the web interface changed the settings.  
4. The Change Over function of the intelligent Touch Controller changed the settings.  
This function maintains optimal room temperature by automatically changing the operation mode and/or temperature setting according to the changing environment conditions.  
For more information, refer to the intelligent Touch Controller operation manual. |
<table>
<thead>
<tr>
<th>Problems</th>
<th>Possible Reasons and Solutions</th>
</tr>
</thead>
</table>
| The following dialog box appears stating that a communication error occurred, and I cannot operate the air conditioners from my PC. Screen 1 :   | The most likely causes are:  
1. Your PC is not cabled correctly to the intelligent Touch Controller.  
2. The intelligent Touch Controller is turned off. Clicking the OK button on the dialog box (Screen 1) displays the Screen 2. Close your browser software and then restart it. |
| Screen 2 :                                                             |                                                                                               |

I cannot access the intelligent Touch Controller web interface. • Your PC is not correctly connected to the network. • The intelligent Touch Controller address entered in the browser is incorrect. • The intelligent Touch Controller is turned off. • The network is congested for any reason. In this case wait for a while and then access it again.

When accessing the intelligent Touch Controller web interface, the following screen appears. • This message informs you that Java plugin is not installed or the version of the installed Java plugin is not supported. Install the correct version of Java plugin. Refer to “BEFORE STARTING” for more information.

When accessing the intelligent Touch Controller web interface, the following screen appears. • This message informs you that your browser does not support the frame function. Check your browser's specifications. Refer to “BEFORE STARTING” for more information.
<table>
<thead>
<tr>
<th>Problems</th>
<th>Possible Reasons and Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>I can access the web interface. However it takes too much time to refresh the screen.</td>
<td>• The network may be congested for any reason. In this case wait for a while and then access it again.</td>
</tr>
<tr>
<td>The room temperature value on the intelligent Touch Controller web interface does not match the actual measurement value.</td>
<td>• Since the suction temperature of air conditioners is used, this may not reflect the actual measurement value, especially when the indoor unit's fans are stopped. This temperature value should be considered as a rough indicator.</td>
</tr>
</tbody>
</table>
| Java plugin does not work correctly.                                   | • Java plugin is not installed correctly.  
• The version of the installed Java plugin is not supported.  
  ▶ The latest version may not be supported. Refer to “BEFORE STARTING” for more information. |
9. 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.

- Questions
  For after-sales service, contact the vendor you purchased the product from or the nearest service station.
Part 4
Questions and Answers

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1. Questions and Answers

1.1 intelligent Touch Controller

Q1. When fingers are used in the place of the touch pen, will it be damaged by nails?
A. It will not be damaged so soon, but the screen is subject to scratches and the screen may become difficult to read in a long service, and other unfavorable influences may result. In operation, be sure to use the attached touch pen. (This is specified in the operation manual.)

Q2. Of what shape is the flash memory?
A. PCMCIA flash memory card that may be inserted and pulled out appears in the size 54 (w) x 86 (h) x 4 (thickness).

Q3. There are not power source supply terminals D1 and D2 now, then is the power source to the schedule timer taken from the indoor unit?
A. They are gone, but they are not necessary since the intelligence Touch Controller and the schedule timer cannot be used at the same time.

Q4. In some case, 16 actions are needed in a schedule, can the intelligent Touch Controller cope with this requirements? And is it possible to set up to 8 patterns?
A. Up to 16 actions can be set in one schedule. And further, it is possible to run 8 schedules where 16 actions are set per each schedule.

Q5. We want to output an error signal from intelligent Touch Controller to the central monitor panel, and then is there any external output contact point?
A. There is not a direct contact point, but it may be made by use of a batch remote adapter.

Q6. Stop can be noticed by color, but can we know the reason for stop?
A. At an error, the intelligent Touch Controller corresponding to the air conditioner concerned becomes yellow. (It becomes blue at a communication error.) An error code is displayed on the detailed information display area. And at the batch status display area, you can see whether all the air conditioners are in normal operation or not, and which one has something wrong at glance. It is also possible to display a past error history.

Q7. How many units can be used? (2 units or 4 units?)
A. Up to 2 units.

Q8. Is the combination with the current intensive controller available?
A. Available is either of the combinations, (main) intelligent Touch Controller and (following) intensive controller, and (main) intensive controller and (following) intelligent Touch Controller.

Q9. In the above combinations, is following intensive operation prohibition available?
A. The intelligent Touch Controller does not have the function of is following intensive operation prohibition.

Q10. The setting temperature has been of 0.1˚C division, is a set value of dropping fractions or of rounding up numbers of five and above and rounding down anything under five?
A. Those set values to be displayed on the remote controller, intensive controller and so forth are of dropping fractions, while, those to VRV indoor unit are set in unit of 0.1˚C. However, the actual temperature is not to be controlled at the precision of 0.1˚C, including the precision of sensor.

Q11. What is the reason for 0.1˚C division?
A. Data of DIII-NET has originally been able to handle 0.1˚C division unit, so the setting precision has been improved according to this.

Q12. When the central monitor panel is at host, is the schedule of the intelligent Touch Controller valid, or in back pushing priority?
A. Back pushing priority actions result. (It is nit made invalid, so it is necessary to set it so that schedules at both sides should not cause a conflict.)

Q13. Whose temperature does the intelligent Touch Controller display as room temperature?
A. Temperature of suction. (even when it is switched to the remote control sensor) However, in the case of external air processing air conditioners such as FXYWJ280KCF or so, it is discharge temperature.

Q14. How many days are power failure guaranteed?
A. The objective data of battery backup are "clock", "history" and "power data (for one day)". These are backed up for 2 years of accumulated power failure time from installation.

Q15. Is it possible, "intelligent Touch Controller + power proportional distribution" x 2 sets?
A. 2 lines. (64 units x 2)

Q16. In the case using BACnet Gateway, iPU and intelligent Touch Controller simultaneously, is it possible to set intelligent Touch Controller to permit or prohibit the remote control?
A. No, it is not possible.
1.2 Power Proportional Distribution

Q1. At the event of error, can a PC take it in?
A. Data at the event of error is added invalid flag and saved. Invalid data may be read through confirmation and also be skipped. When calculation is continued after confirmation of invalid data, the proportional distribution of the invalid data portion is handled as use electricity zero.
   It is handled as use electricity zero, also when output to CSV file. Data can be red even at communication error.

Q2. Does the power proportional distribution trial operation work on Windows 98, Me, NT, 2000 and XP?
A. Yes.

Q3. How many days is electricity data hold at intelligent Touch Controller + electricity proportional distribution software?
A. For 62 days. (dating back to yesterday)

Q4. When there are, for example, 4 units of intelligent Touch Controller, if one unit of electricity proportional distribution software is used, it is technologically possible for 4 units of intelligent Touch Controller to calculate charges?
A. Electricity proportional distribution software, once installed, cannot be installed to the second unit.
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- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.

- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorized parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.

- Read the User’s Manual carefully before using this product. The User’s Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any inquiries, please contact your local importer, distributor and/or retailer.

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About ISO 9001

ISO 9001 is a plant certification system defined by the International Organization for Standardization (ISO) relating to quality assurance. ISO 9001 certification covers the "design, development, manufacture, installation, and supplementary service" of products manufactured at the plant.

EC99-J2044

About ISO 14001

ISO 14001 is the standard defined by the International Organization for Standardization (ISO) relating to environmental management systems. Our group has been acknowledged by an internationally accredited compliance organisation as having an appropriate programme of environmental protection procedures and activities to meet the requirements of ISO 14001.

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**Dealer**

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