

Intelligent Touch Controller

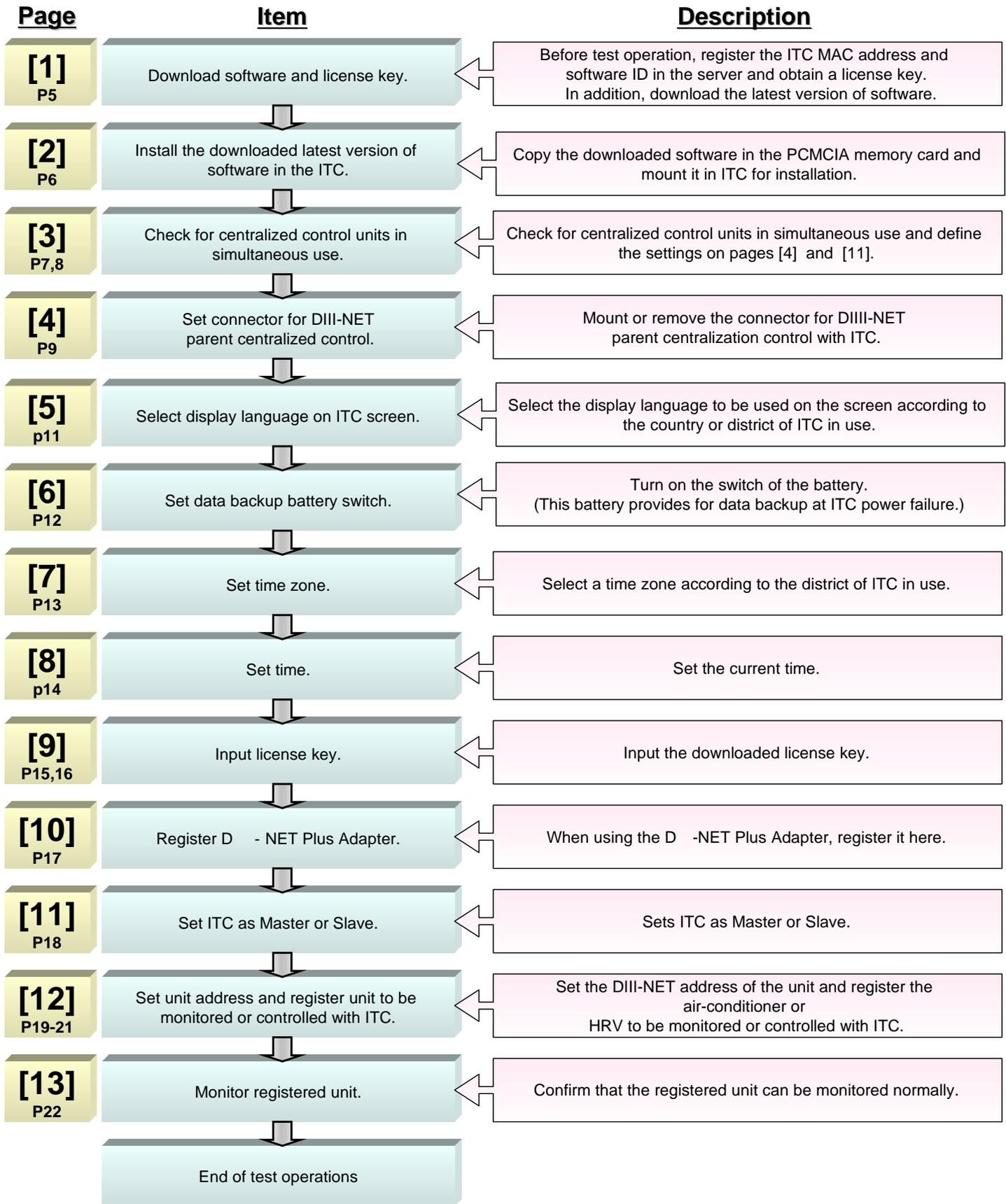
(DCS601C51)

Test Operations Manual

December 20, 2004
PRODUCT DEVELOPMENT GROUP
AIR CONDITIONING MANUFACTURING DIV.

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[Intelligent Touch Controller Test Operations Flow] (For New Installation)



[Operations Flow for Changing Settings after Intelligent Touch Controller Test Operations]

Select air-conditioner setting (heating or cooling) on ITC

<u>Page</u>	<u>Item</u>	<u>Description</u>
[14] P23,24	Service login procedure	Log in onto ITC with serviceman access privilege.
[15] P25	Heating/cooling setup or change procedure	Select or change heating or cooling on ITC.

Add DIII-NET Plus Adapter after completion of test operations

<u>Page</u>	<u>Item</u>	<u>Description</u>
[14] P23,24	Service login procedure	Log in onto ITC with serviceman access privilege.
[16] P26	Register D - NET Plus Adapter	Register the D - NET Plus Adapter.

Add option software after test operations

<u>Page</u>	<u>Item</u>	<u>Description</u>
[14] P23,24	Service login procedure	Log in onto ITC with serviceman access privilege.
[17] P27	Register the license key of option software	Input the license key of option software.

Add units to be controlled with ITC after test operations

<u>Page</u>	<u>Item</u>	<u>Description</u>
[14] P23,24	Service login procedure	Log in onto ITC with serviceman access privilege.
[18] P28,29	Register unit to be monitored and controlled with ITC	Register or check the air-conditioner or HRV to be monitored and controlled with ITC.

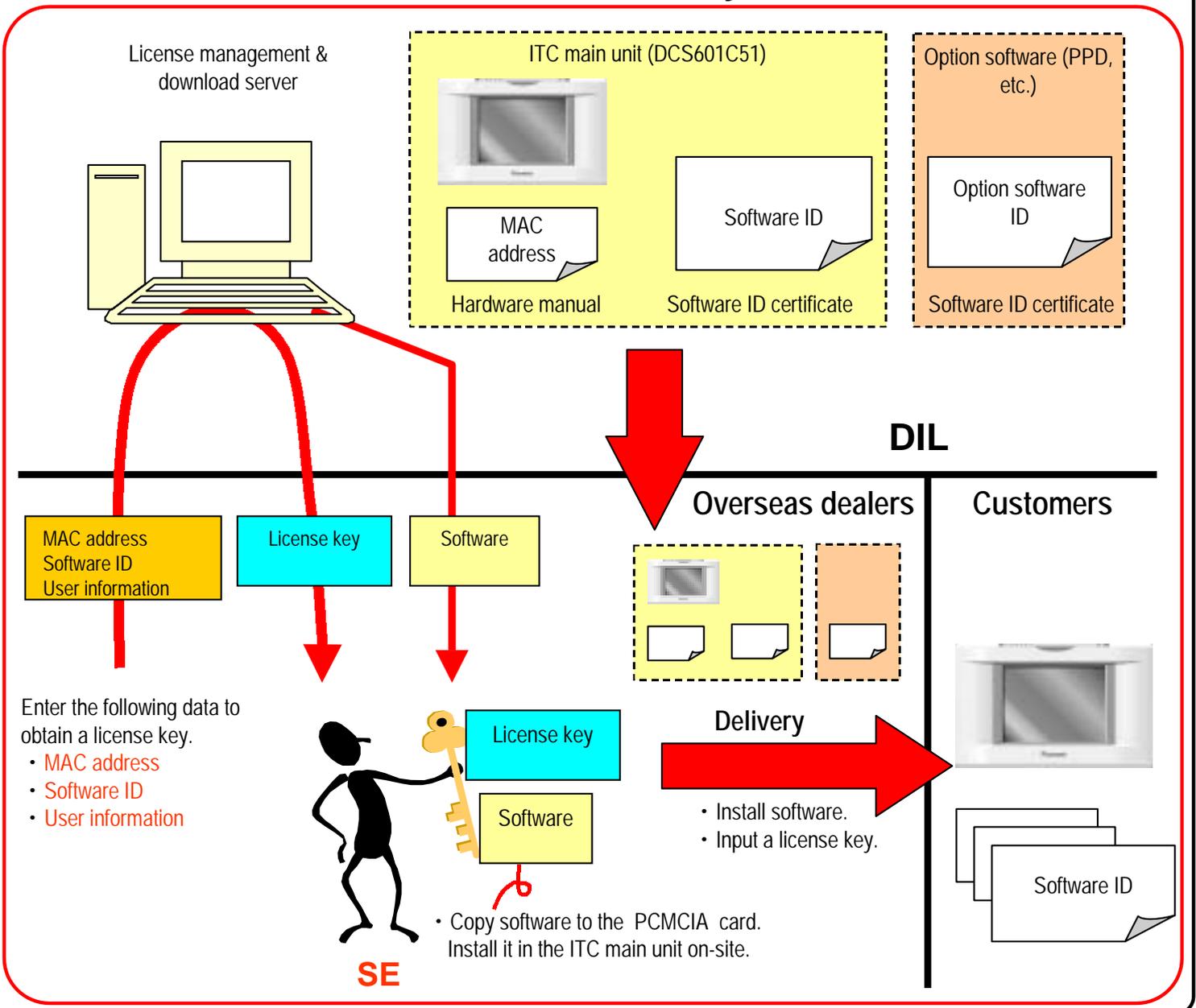
1. Download Software and License Key

Before on-site test operations, download ITC installation software and its license key from the license management server.

Operation Outline: (For details, refer to the download manual.)

1. Download the **latest version of software** from the server and copy it to the **PCMCIA card**.
2. Register the MAC address and software ID (this ID comes with the ITC main unit package) in the license **management server to obtain a license key**.

Overview of Software and License Key Server



2. Upgrade Software (1/2)

Figure 1 PCMCIA Card Slot



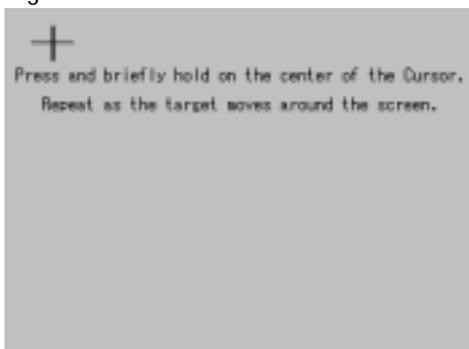
Figure 2 Reset Switch Position



Figure 3 Initial Screen for Software Upgrade



Figure 4 Touch Panel Calibration Screen



The following describes how to upgrade the existing ITC software to the latest version downloaded from the server.

Note: Be sure to download and use the latest version of ITC software.

1. Insert an ITC software PCMCIA card into the PCMCIA card slot at the left side of the ITC main unit.
The location of this slot is indicated by a **red circle** in Figure 1.

Caution on PCMCIA Card Insertion

Be sure to insert the PCMCIA card into the slot **with the card upturned, i.e., with the rear side (with no design nameplate) topside** from the viewpoint of the front of the ITC main unit. Incorrect card insertion may damage the card slot.

2. After inserting the card, switch ITC ON. When ITC is already ON, switch it OFF once according to the following procedure.

[ITC Reset Procedure]

The reset switch lies at the left side of the ITC main unit. See the location indicated by a red circle in Figure 2. To reset and restart ITC, push this switch with a tip of the precision screwdriver for about 3 seconds.

3. Switch on or restart ITC to display the initial screen for software upgrade (see Figure 3) on the ITC screen, then touch a desired item on the ITC screen menu.

Figure 4 shows the touch panel calibration screen.

4. Touch the plus (+) marks sequentially with a touch pen according to the directions given on the screen. Upon completion of calibration, the screen (see Figure 5) on the next page is displayed.

2. Upgrade Software (2/2)

Figure 5 Start of Software Upgrade



Figure 6 Screen during Software Upgrade



Figure 7 Screen during Software Upgrade



5. Touch the [OK] button to start the software upgrade process on the screen shown in Figure 5.

This software upgrade takes about 2 minutes.

6. On successful completion of software upgrade, the screen shown in Figure 7 appears. Remove the PCMCIA card from the slot and touch the [Restart] button on that screen to restart the system. Software upgrade is complete through the above steps. Now, begin to learn the operations described on the next page.

<Caution>

When restarting the system without removing the PCMCIA card, the software upgrade confirmation screen is displayed again.

In this case, remove the PCMCIA card from the slot while the screen shown in Figure 3 is displayed, then reset the ITC according to the procedure shown on the previous page.

3. Check for Centralized Control Devices in Simultaneous Use (1/2)

ITC requires the following two settings. Note that these settings may vary depending on the types of centralized control units in simultaneous use. Check for centralized control units in each customer and list the necessary ITC settings in the form of the next page, referring to a summary given in the following table before starting to make the settings.

1. Making the setting for the master or slave

When two ITC's are connected or one central controller and one ITC are used, one unit must be set up as the master and another as the slave.

(Only the ITC set up as the master permits you to make the settings for remote control permission/inhibition and setup temperature limitation.)

*Note that the ITC must be set up as the master when only one ITC is available.

2. Setting the connector for DIII-NET parent centralized control

Attach the connector only to one of the centralized control units connecting to the DIII-NET communication line and remove all the other centralized control units.

Only the unit provided with the connector supplies power to the DIII-NET communication line.

Read the following descriptions for master/slave settings and relationship among settings required for DIII-NET parent centralized control.

	Unit name	Connector setup for D - NET parent centralized control	Master/slave setup
Upper	I-Manager	Be sure to always mount the connector for parent centralized control.	No master/slave setting required. (Remote control inhibition can be allowed at any time.)
	BACnet Gateway		
	DMS - IF		
	Parallel interface		
Middle	ITC	For presence of upper unit Remove the connector for parent centralized control. For absence of upper unit Attach the connector for parent centralized control to one of the middle-grade units for use.	Set one of the middle units as the master and another as the slave. Master = Settings for remote control inhibition can be made (when the upper unit is not used). Slave = Settings for remote control inhibition cannot be made. When the upper unit is used together: Settings for remote control inhibition cannot be made. *DIII – The NET PLUS adaptor has no master/slave relationship.
	Central controller		
	D - NET PLUS adaptor		
Lower	ON/OFF controller	For presence of upper or middle unit Remove the connector for parent centralized control. For absence of upper and middle units Attach the connector for parent centralized control to one of the lower units for use.	For details of master/slave settings on the ON/OFF controller, refer to the D-BACS Design Guide.)

3. Check for Centralized Control Devices in Simultaneous Use (2/2)

Qty.	Unit name	Connector setup for parent centralized control	Master/slave
1	I-Manager	To be mounted	
	BACnetGateway		
	DMS interface		
	Parallel interface		
1	ITC	To be removed	Remote control inhibition setting disabled for master
	Central controller		
1	D -NET PLUS adaptor	To be removed	
4	ON/OFF controller	1. To be removed 2. To be removed 3. To be removed 4. To be removed	1. Master 2. Slave 3. Master 4. Slave

*Example of entry

Master/slave: Memo field to be used in setting a connector For DIII-NET parent centralized control. Make an entry, Referring to an example of entry.

- Quantity: Enter the quantity of units connected.
- Connector setup for DIII-NET centralized control Specify whether the unit is a parent or a child
- Master/Slave: Specify whether the unit is a master or a slave.

	Unit name	Connector setup for DIII-NET parent centralized control	Master/slave setting
	I-Manager		
	BACnetGateway		
	DMS interface		
	Parallel interface		
	ITC		
	Central controller		
	D - NET PLUS adaptor		
	ON / OFF controller		

4. Set Connector for DIII-NET Parent Centralized Control

Figure 1 Screw Location



Figure 2 Hook Location



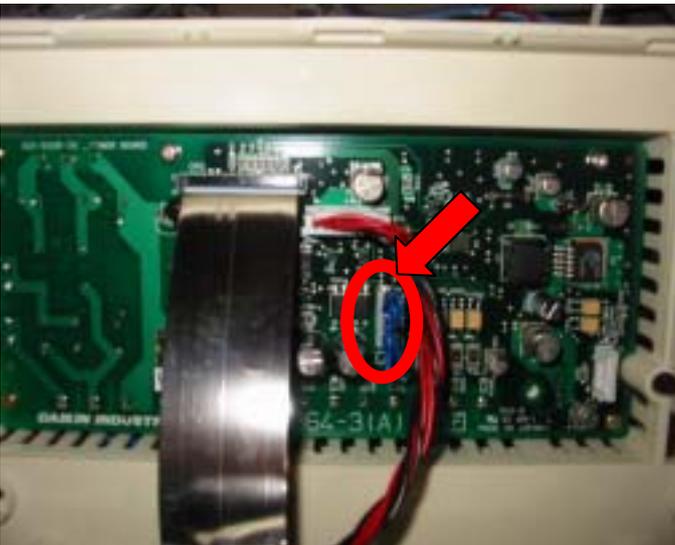
Figure 4



Figure 3 Removing the Panel



Figure 5 Location of the Connector for Parent Centralized Control



<Caution>

To avoid electric shock, confirm that ITC is OFF before starting this operation.

In addition, operators should touch the grounded control panel to remove electricity before starting the operation because the built-in P plate is quite fragile to static electricity.

1. Remove the connector for DIII-NET parent centralized control according to the procedure described on the previous page.

(This connector is provided at shipping from the factory. When it is not necessary to remove this connector, proceed to the next page because settings on this page are not required.)

Open the front panel to remove the connector for parent centralized control.

The front panel has been fixed with a screw at the location indicated by a **red circle** in Figure 1.

Remove the screw and view the front panel from the top.

- The top of the front panel is shown in Figure 2. Push down hooks at the locations indicated by three **red circles** in Figure 2 for easy panel removal. Open the top of the ITC and pull the screen assembly as shown in Figure 4 to detach the front panel.

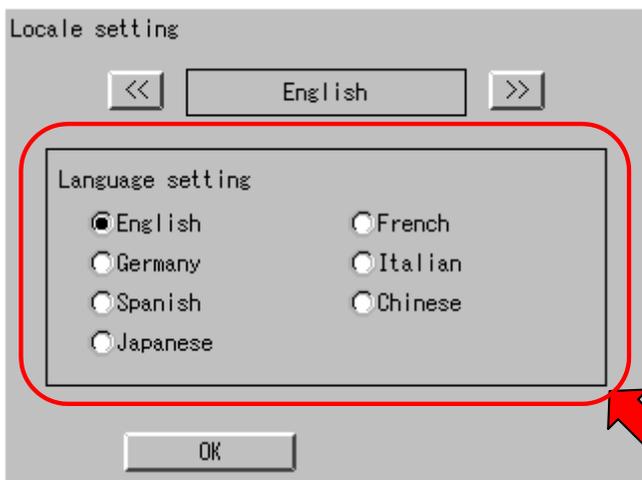
3. The connector (CN1) for parent centralized control lies at the location indicated by a red circle in Figure 3.

After removing the connector, close the front panel. At this time, don't forget to fix the panel with the screw removed in step 1.

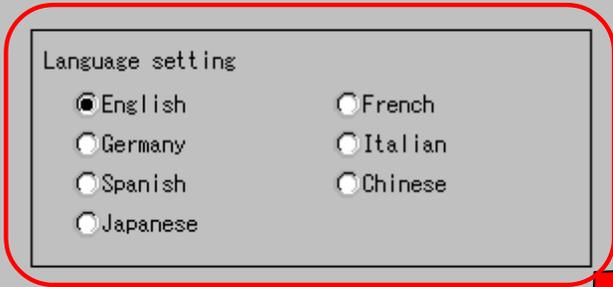
After closing the front panel, switch on again and confirm that the following screen on the next page is displayed.

5. Select Display Language on ITC Screen

Figure 1 Local Setting Screen



Select a display language on the ITC screen according to the requirements of a customer.

- Use the buttons (and) to touch a radio button for any of the languages on the Locale setting screen.
(This selection does not affect the contents of the setting.)
- Click a language setting radio button to select a display language to be used on all ITC screens from the pane indicated by . After selecting the radio button, touch the [OK] button to set up the selected display language as the new language.

Next, the subsequent page of screen is displayed.

6. Set Data Backup Battery Switch

Figure 1 Battery Backup Switch Confirmation Screen

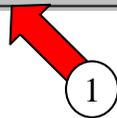
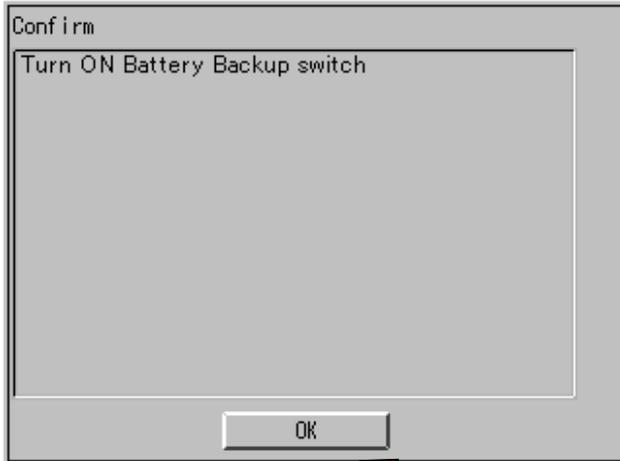


Figure 2 Switch Location



Set a switch to enable the use of a data backup battery. When this switch is already set, the screen shown in Figure 1 does not appear. In this case, proceed to the setup operations on the next page.

1. When the battery backup switch is OFF, the confirmation screen is displayed as shown in the left-hand figure. In this case, turn on this switch according to the following procedure.

2. The following describes how to turn on the battery backup switch.

The battery backup switch lies at the left side of ITC (location indicated by a **red circle** in Figure 2). The enlarged view is shown in Figure 3.

3. The location of the battery backup switch is indicated by a **red circle** in Figure 3. Manipulate this switch with a tip of the precision screwdriver.

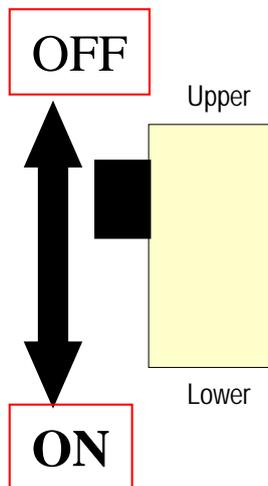
The interior of the switch is shown in Figure 4. Slide the knob to the upper side for OFF and **slide it to the lower side for ON.**

4. Slide the knob to the lower side for ON, then touch the [OK] button indicated by in Figure 1 to display the next page of screen. (When the knob has been placed in position for ON, the screen shown in Figure 1 is displayed again. Push the OK button again.)

Figure 3 Switch Location



Figure 4 Switch Drawing

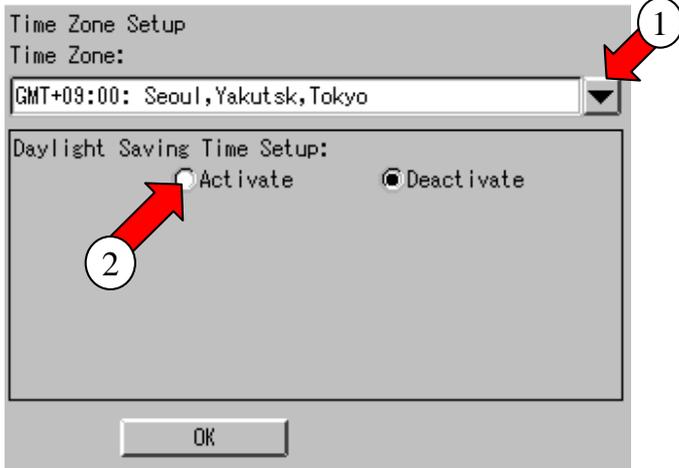


<Caution>

Be sure to turn on the battery backup switch. When this switch is OFF, time data etc. may be lost at power failure.

7. Set Time Zone and Summer Time

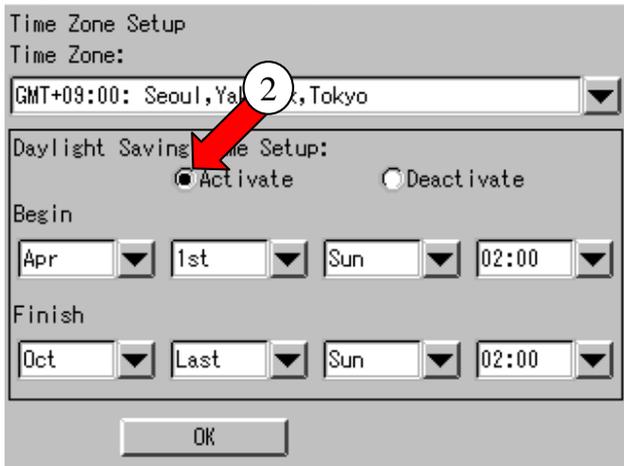
Figure 1 Time Zone Setup Screen



Set a time zone according to your district where the intelligent touch controller (ITC) is used.

- Figure 1 shows a time zone setup screen. Click the button indicated by 1 to display a pull-down menu. Then, select a desired time zone from the world time zones in this pull-down menu.

Figure 2 Summer Time Setup Screen



When automatically using the ITC time based on the summer time, make the following settings in the corresponding fields:

- To set the summer time, select a radio button indicated by 2 and make “activate” the summer time setting effective. On the screen shown in Figure 2 perform the following two settings:

Starting date and time for Summer time
Ending date and time for Summer time

Click the button (▼) to the right of each field to display the pull-down menu. Then, set a desired date and time on the displayed pull-down menus.

After making the necessary settings, touch the [OK] button. The time zone and summer time are set up and the next page of screen is displayed.

8. Set ITC Date and Time

Figure 1 Time Setup Screen

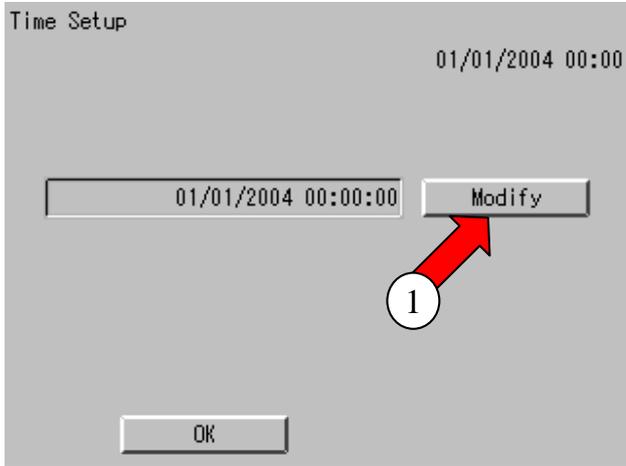
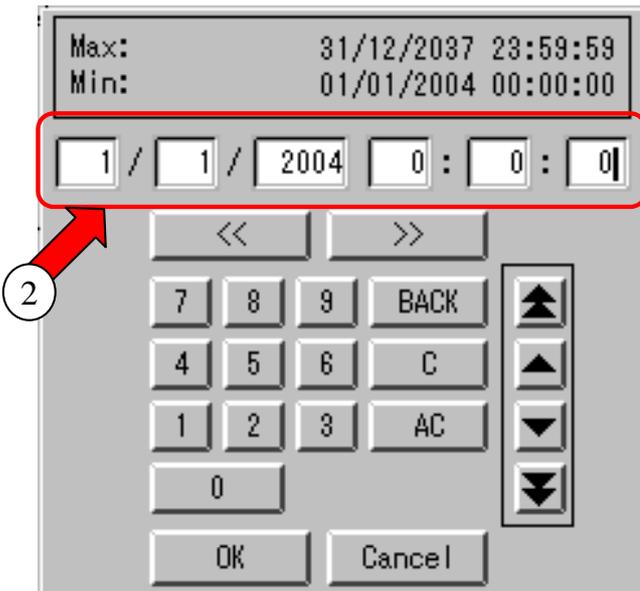


Figure 2 Time Setup Dialog



The following describes how to set the current date and time.

1. Push the Modify button to display the Time Setup screen shown in Figure 2.

2. Use the following buttons to set the date and time. After setting them, touch the [OK] button to determine the current date and time. Next, the subsequent page of screen is displayed.

* Descriptions of buttons



Selects a text box item to the left of the current item as a new change item.



Selects a text box item to the right of the current item as a new change item.



Increments a change value in units of 10.



Decrements a change value in units of 10.



Increments a change value in units of 1.



Decrements a change value in units of 1.

The date and time can be set within a range from 1/1/2004 00:00:00 to 31/12/2037 23:59:59.

<Caution>

The fields of the time setup text box may be displayed in different order, depending on the order of language selection made in 6. Select a Display Language on the ITC Screen.
 Example) English – Day/Month/Year Hr:Min:Sec
 Japanese – Year/Month/Day Hr:Min:Sec

9. Input License Key (for Basic Software)

Figure 1 License Key Input Screen

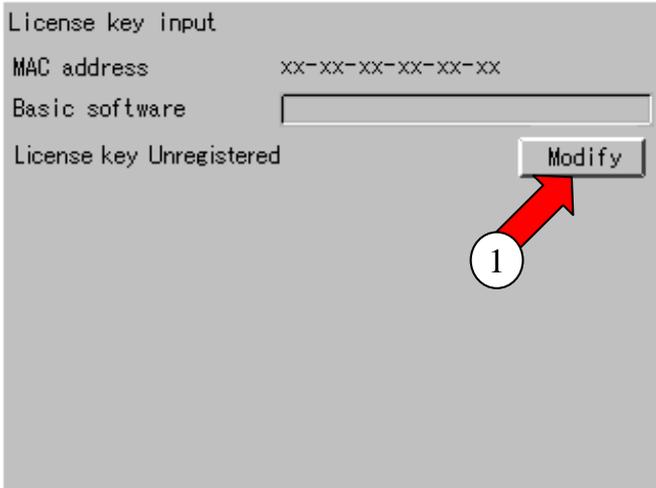


Figure 2 Keyboard Dialog

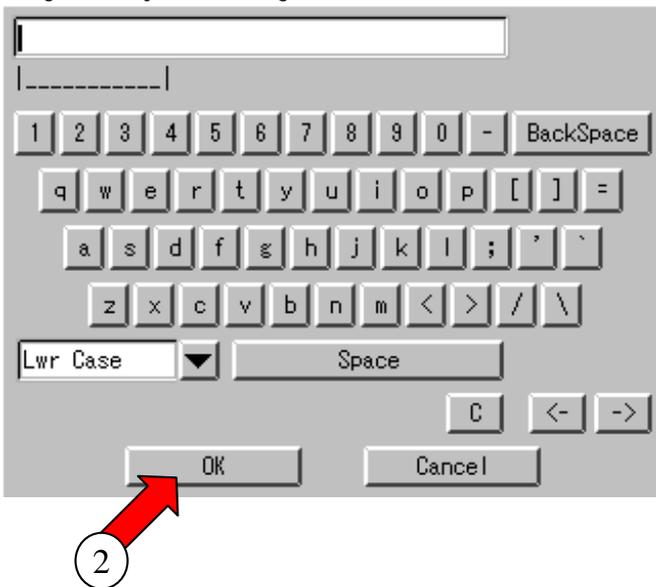
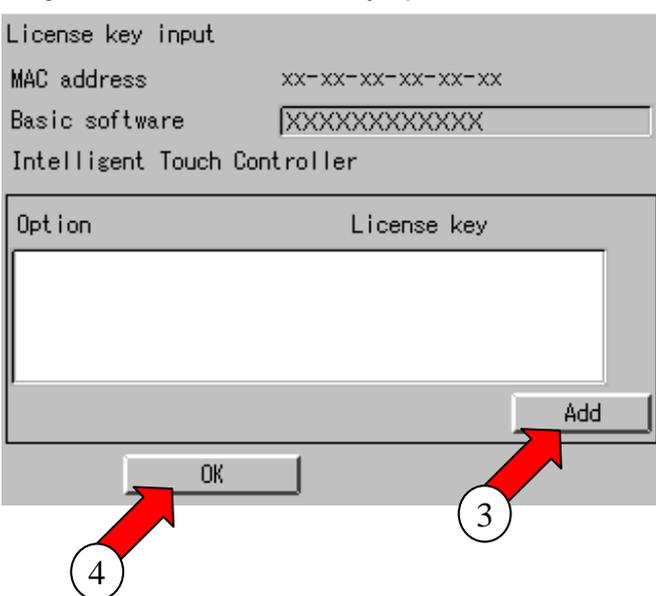


Figure 3 Screen after License Key Input



ITC does not run unless software is installed as shown in Section 2 and its license key is input according to the following procedure in this section.

This section describes how to input a license key for basic software.

(*For license key acquisition, refer to Section 1.)

1. Push the [Modify] button to display the keyboard dialog shown in Figure 2.
Input your license key on this keyboard.
(The license key is case-sensitive. Care should be taken to input the uppercase and lowercase letters of the key to ensure that license key registration can take place successfully.)

The following gives a brief description of operations on the keyboard dialog.

* Descriptions of Buttons



Changes the keyboard (switching of uppercase and lowercase letters, Spec-U and Spec-L)



Moves the cursor left by one character.



Moves the cursor to right by one character.



Clears all the input characters.



Deletes the character just before the cursor.

After completion of license key input, touch the [OK] button to determine the input key.

The screen shown in Figure 3 appears when a license key for basic software is input.

When it is necessary to input a license key for option software immediately after that for basic software, touch the [Add] button in Figure 3.

Confirm that the screen shown in Figure 1 on the next page is displayed. Input a license key for option software according to the procedure described on the next page.

When it is not necessary to input a license key for option software, touch the [OK] button and confirm that the restart confirmation screen is displayed, then restart ITC.

Upon successful ITC restart, the screen in Section 11 is displayed.

9. Input License Key (for Option Software)

Figure 1 License Key Input Screen

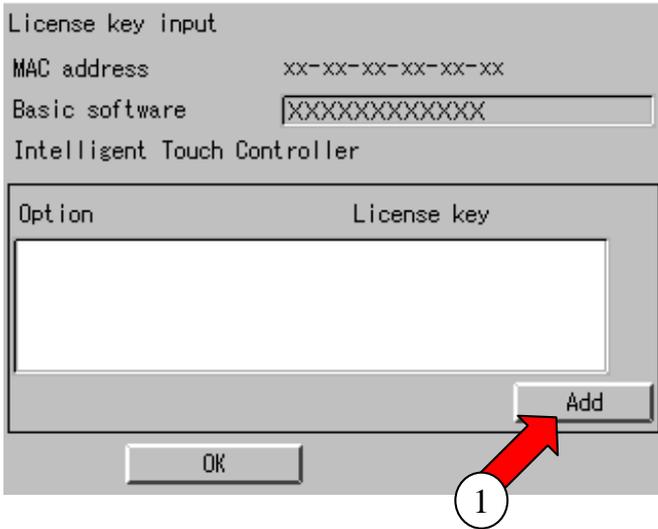


Figure 2 Keyboard Dialog

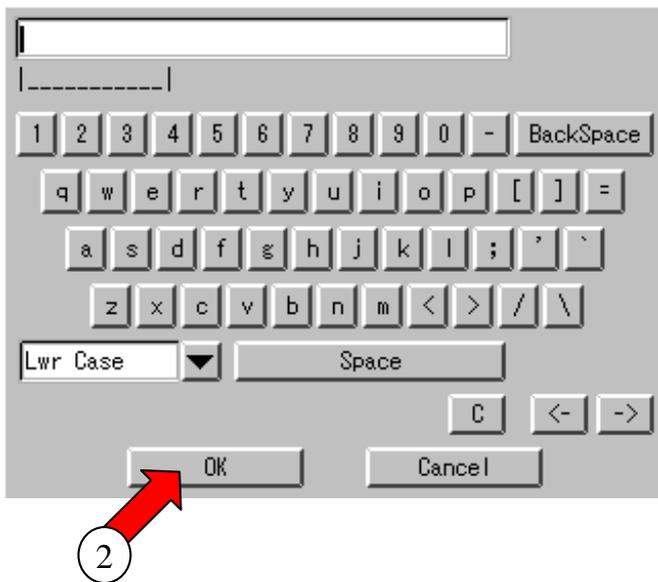
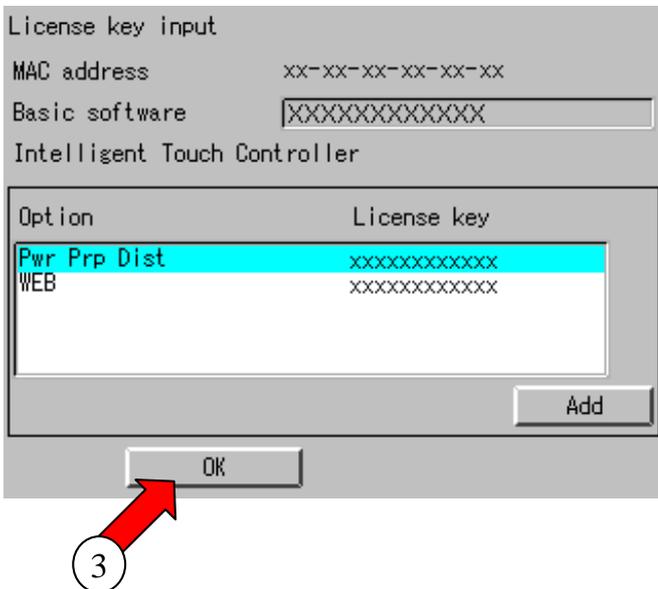


Figure 3 Screen after License Key Input



This section describes how to input a license key for option software.
 (*For license key acquisition, refer to Section 1.)

1. Push the [Add] button to display the keyboard dialog. Input your license key for option software on this keyboard.
 (The license key is case-sensitive. Care should be taken to input the uppercase and lowercase letters of the key to ensure that license key registration can take place successfully.)

The following gives a brief description of operations on the keyboard dialog.

* Descriptions of Buttons

-  Selects a text box item to the left of the current item as a new change item.
-  Moves the cursor left by one character.
-  Moves the cursor right by one character.
-  Clears all the input characters.
-  Deletes the character just before the cursor.

After completion of license key input, touch the [OK] button to determine the input key.

The option content appears when a license key for option software is input.

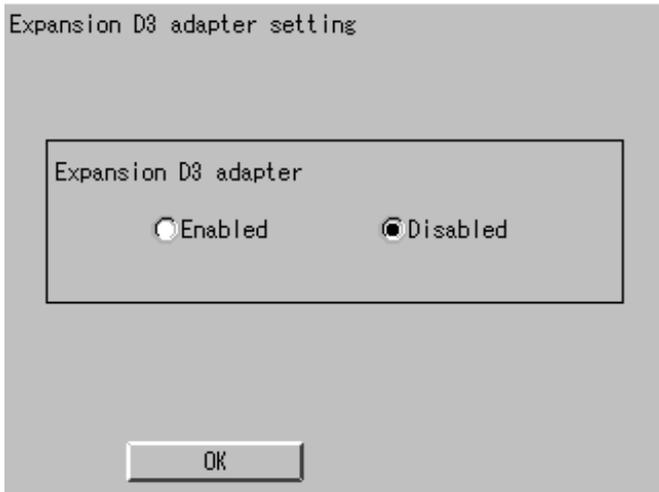
After adding all the option software license keys, touch the [OK] button to determine the input license keys.

Then, confirm that the restart confirmation screen is displayed and touch the [OK] button to restart ITC.

Upon successful ITC restart, the next page of screen is displayed.

10. Register DIII-NET Plus Adapter

Figure 1 DIII-NET Plus Adapter Setup Screen



When connecting a DIII-NET Plus adapter (option) to ITC, be sure to register it according to the setup procedure described in this section.

When the DIII-NET Plus adapter is not connected, you need not make this setup operation.

1. Make the setting for enabling or disabling the DIII-NET Plus adapter. When the DIII-NET Plus adapter has been connected, select an [Enable] radio button on the setup screen (Figure 1). Otherwise, select a [Disable] radio button on that screen.
2. After making the setting, touch the [OK] button to complete the setting for the DIII-NET Plus adapter.

Then, confirm that the next page of screen is displayed.

11. Set ITC as Master or Slave

Figure 1 DIII-NET Test Operation Screen



Set ITC as master or slave based on the information items arranged in Section 3.

- Select “Master” or “Slave” for ITC.
- * When only one ITC is available, be sure to select a radio button for Master.

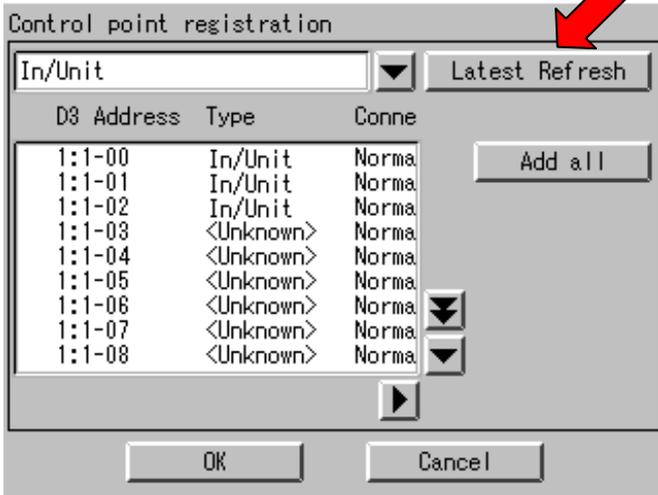
2. After making this selection, touch the [OK] button and confirm that the next page of screen is displayed.

(Note the following points when other centralized control units are also available:)

- Remote control permission/inhibition and setup temperature limitation are available only with ITC set as master.
When upper units such as I-Manager, etc. are used together, remote control permission/inhibition is not available regardless of whether ITC is set as the master or slave.

12. Set Unit's DIII-NET Address and Register Unit to be Monitored and Controlled with ITC (for Air-Conditioner)

Figure 1 Control Point Registration Screen



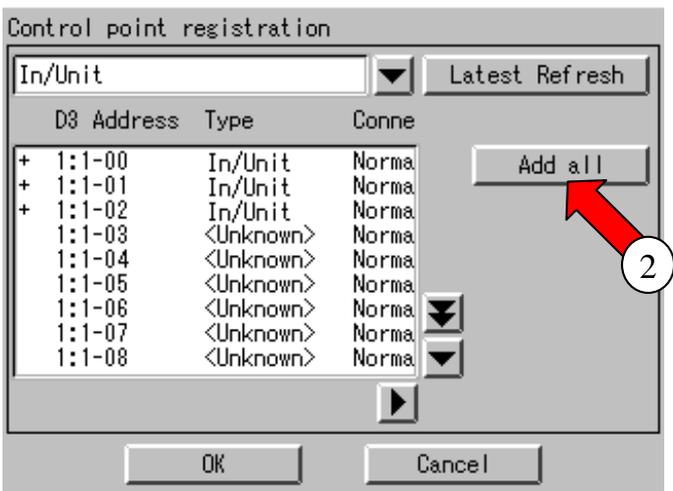
This section describes how to set the DIII-NET addresses of all units to be monitored and controlled with ITC (setting can be made with the remote control at hand) and register the above units.

- On the ITC screen (Figure 1), enter in order the addresses of units to be monitored and controlled. After entering the addresses of all units, touch the [Latest Refresh] button to confirm that the latest connections are listed.
- * Connecting field
Confirm that "Normal" is displayed in the Connecting field for units whose addresses have been set.
- * Type field
When the connected unit is an in-house unit, "In/Unit" is displayed in the Type field if the [Latest Refresh] button is touched.

When the Type and Connecting fields are not refreshed even if the above [Latest Refresh] button is touched, wait a while and touch it again.
(Note: It takes time to recognize the units.)

When the connected unit is a Di unit, Dio unit or HRV, the Type field is not refreshed, i.e., it remains "Unknown" even if the [Latest Refresh] button is touched. The setting methods are described on the next page by unit type.

Figure 2 Screen after In/Unit Addition



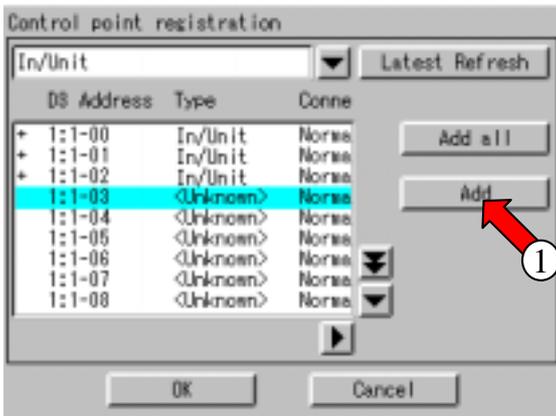
2. Add the control units of air-conditioners as follows.
First, confirm that "Normal" is displayed in the Connecting field for all air-conditioners whose addresses have been set, then touch the [Add all] button and confirm that the "+" mark is displayed at the left end of the address of each air-conditioner for which "Type=In/Unit", "Connecting=Normal" are displayed.

When the control points are all air-conditioners, proceed to setup operations on page 21.

When they are HRV, Di and Dio except air-conditioners, register them according to the procedure shown on the next page.

12. Set Unit's DIII-NET Address and Register Units to be Monitored and Controlled with ITC (Except Air conditioner)

Figure 1 Control Point Registration Screen



• Set the addresses of units according to step 1 on the previous page.

After setting the addresses of HRV, Di unit and Dio unit, add the respective control points manually.

Select the address to be added as a control point to display the [Add] button and touch it. When the [Add] button is touched, the [Add Type Selection] screen (Figure 2) is displayed.

2. Select the unit type of the control point to be added. Select a radio button for the target unit type and touch the [OK] button .

Confirm that the Control Point Registration screen is displayed as shown in Figure 3.

3. Select the HRV address and touch the [Modify] button only when "HRV" has been selected in the above step 2. Then, confirm that the HRV Setting screen is displayed as shown in Figure 4.

When other than HRV has been selected in the above step 2, proceed to step 5.

4. When the tailing part of an HRV unit name indicates a GA or the subsequent (i.e., HRV marketed on and after 2005), select the [Enable] radio buttons at , and and touch the [OK] button .

Confirm that the screen is displayed again.

For units marketed earlier than GA, select the related radio buttons for [Disable] in principle.

Operations for Control Point Deletion

Select the control point to be deleted on the screen shown in Figure 3, then touch the [Delete] button . The "-" mark is displayed at the left end of the address for each of the deleted control points.

5. Confirm that the "+" mark is displayed at the left end of the address set.

Repeat the steps 1 to 4 for each unit whose address must be set.

Finally, make the settings on the next page.

Figure 2 Add Type Selection Screen

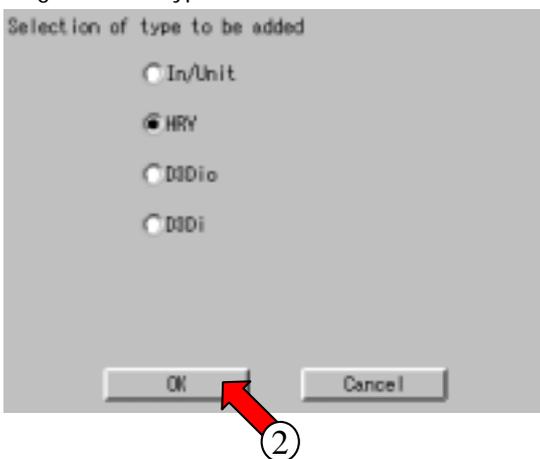


Figure 3 Control Point Registration

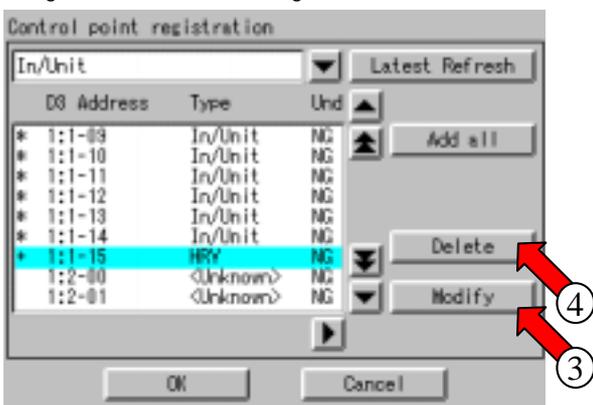
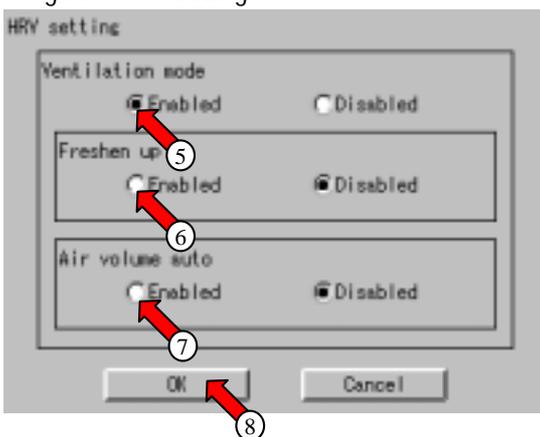


Figure 4 HRV Setting



12. Set Unit's DIII-NET Address and Register Units to be Monitored and Controlled (Fixing Control Points)

Figure 1 End of Control Point Addition

Control point registration

In/Unit Latest Refresh

	D3 Address	Type	Conne	
+	1:1-00	In/Unit	Norma	Add all
+	1:1-01	In/Unit	Norma	
+	1:1-02	In/Unit	Norma	Add
+	1:1-03	D3Di	Norma	
+	1:1-04	D3Di	Norma	▼
+	1:1-05	D3Dio	Norma	
+	1:1-06	D3Dio	Norma	▼
+	1:1-07	HRV	Norma	
+	1:1-08	HRV	Norma	▶

OK Cancel

Fixing Control Points

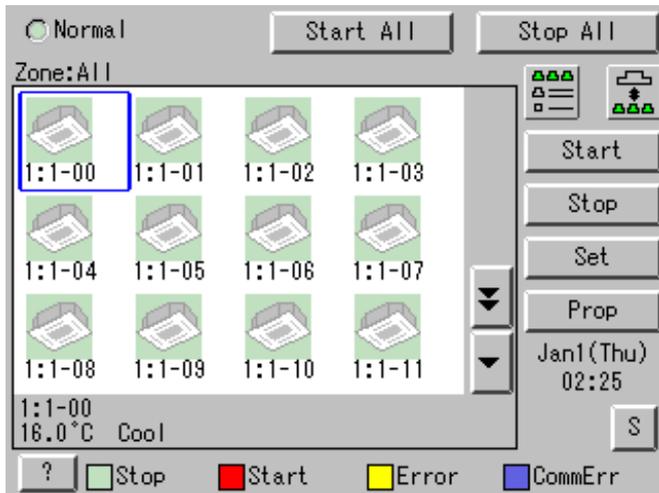
Confirm that the "+" mark is displayed for each of the units to be monitored and controlled with ITC and touch the [OK] button.

Touch the [OK] button, confirm that the restart confirmation screen is displayed and restart the ITC according to the directions displayed on the screen.

After restart, the main screen is displayed as shown on the next page.

13. Monitor Registered Units

Figure 1 Main Screen



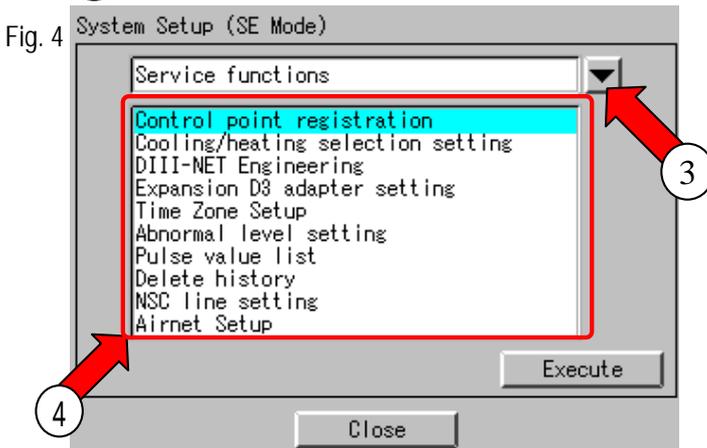
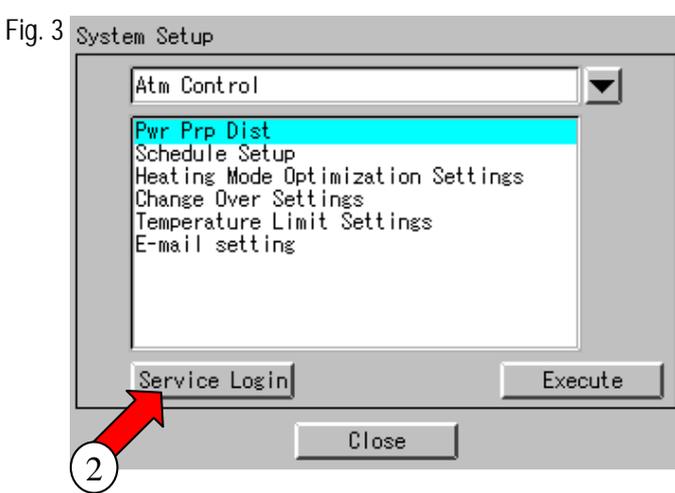
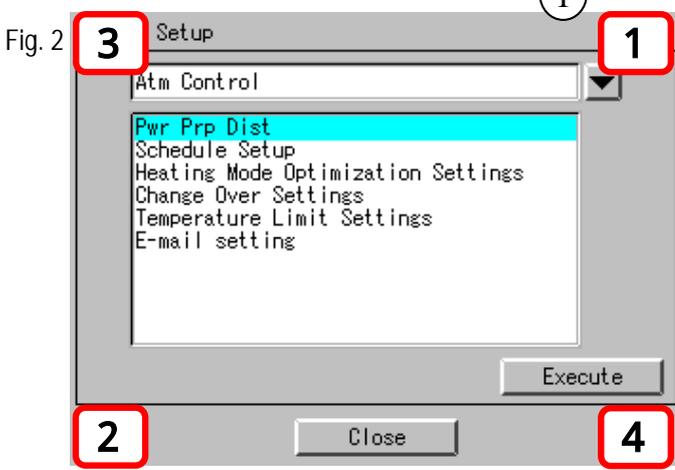
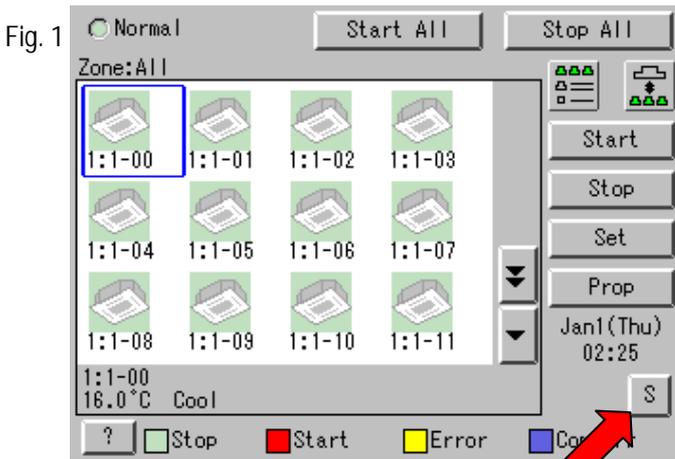
Confirm on the main screen that the units registered on the previous page can be monitored.

Check whether or not the units registered in Section 12 are all displayed on the main screen.

When there is a registered unit that does not appear on the main screen, display the service menu according to the procedure shown in Section 14 "Service Login," select "Control Point Registration" and register that unit by performing the procedure shown in Section 18.

Upon completion of this confirmation, all test operations are complete.

14-1 Service Login on System Menu



Sections 14-1 and 14-2 describe how to display the dedicated menus (for exclusive use by servicemen) in changing the ITC settings again after completion of test operations.

1. Click the [S] (System) button on the main screen to display the System Setup screen (Figure 2).

2. Click four locations on the screen: upper right, lower left, upper left and lower right. (Click them in order according to numbers (1-4) on the screen.)

3. Confirm that the [Service Login] button is displayed on the screen. Click this button to display the service/password input screen, then type “daikin” in lowercase letters on that screen. **(Don't type it in uppercase letters.)**

1. Click  to display the pulldown menu, then select “Service functions” on that menu. In this way, the dedicated menu for servicemen can be displayed.

14-2 Service Login during Administrator Password Protection Setting

Figure 1 Main Screen

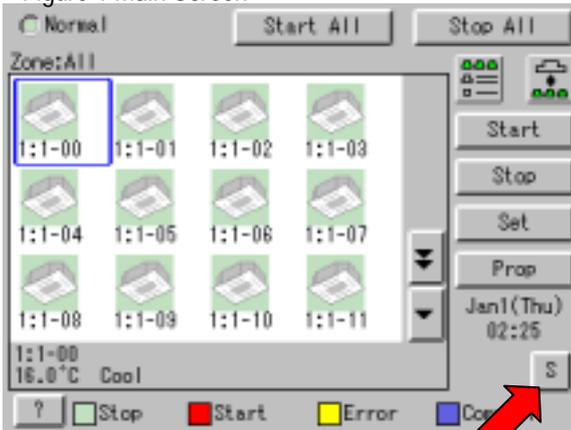


Figure 2 Admin. Password Input Screen



Figure 3 Service Password Input Screen

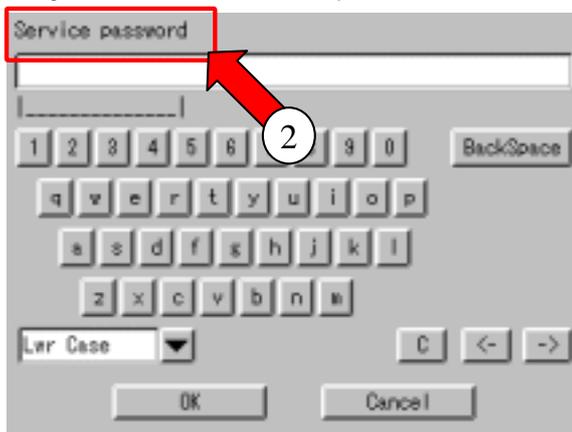
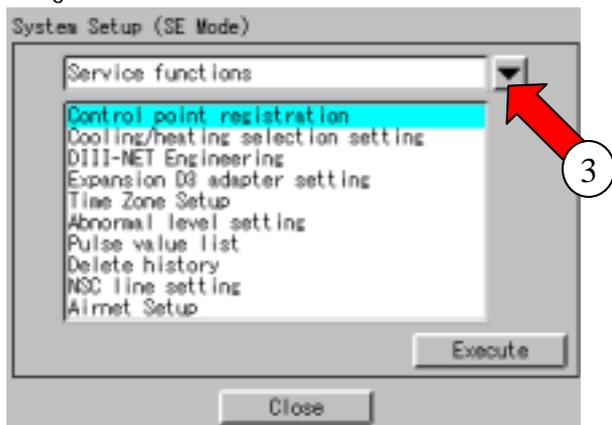


Figure 4 Service Functions Menu Screen



Sections 14-1 and 14-2 describe how to display the dedicated menu for servicemen in changing the settings after completion of test operations.

1. Click the [S] (System) button on the main menu.
When the [S] button has been locked with the administrator password (Figure 2), the administrator password input screen is displayed.

2. Click four locations on the administrator password input screen: upper right, lower left, upper left and lower right (concretely, touch them as numbered 1 to 4 in the left-hand figure). The administrator password input screen changes to the service password input screen shown in Figure 3 (character string at changes to Service password).

3. Type "daikin" in lowercase letters on this screen. (Don't type it in uppercase letters.)

The System Setup screen (SE Mode) shown in Figure 4 is displayed.

4. Click  to display the pulldown menu, then select "Service functions" on that menu. In this way, the dedicated menu for servicemen can be displayed.

15. Set Cooling/Heating Control in In-house Air-conditioner with ITC

Figure 1 Cool/Heat Selecting Screen

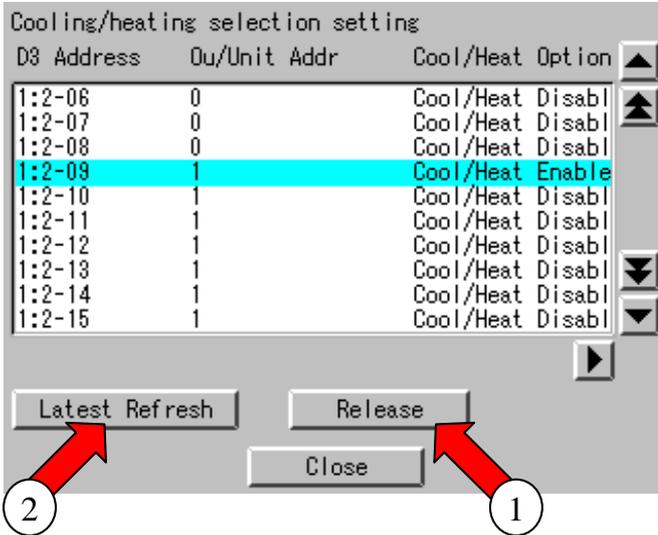


Figure 2 Now Selectings

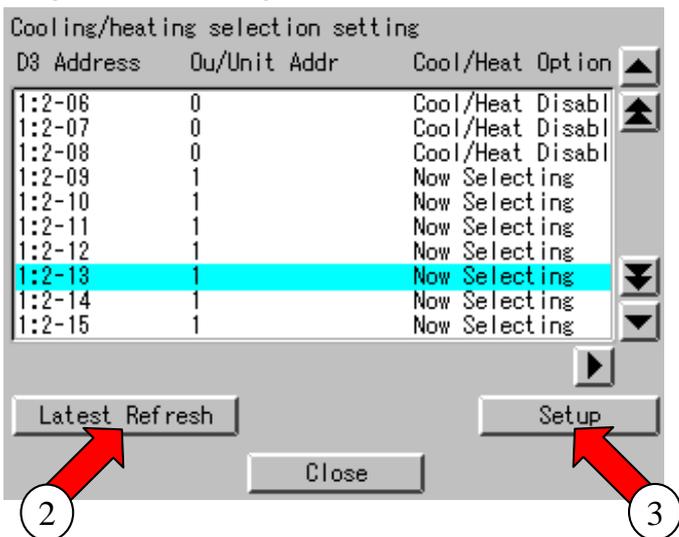
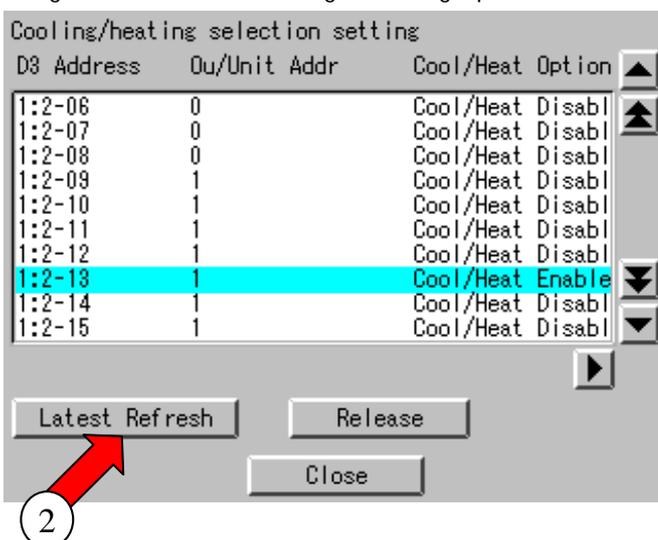


Figure 3 Screen after Cooling or Heating Option Selection



In the in-house air-conditioner, cooling/heating control is usually assigned with the hand-held control, but its settings (cooling or heating) can be changed with ITC. The procedure is described in this section.

- Long in according to the procedure described in Section 14 “Service Login” and select “Service functions.” Select “Cool/Heat selection setting” on the menu and confirm that the screen (see Figure 1) appears.

The screen shown in the left-hand column appears when the cooling or heating mode has been selected in advance. In this example, the cooling/heating mode has been set for 2-09.

2. The following gives an example of operation. <Example> Operations for transferring cooling/heating control to 2-13

Click the [Release] button to reset cooling/heating control set for 2-09, then touch the [Latest Refresh] button .

3. Confirm that “Now Selecting” is displayed for all Cool/Heat Options within the same refrigerant series address (“1” in this example). (When “Now Selecting” is not displayed, wait for a while and touch the [Latest Refresh] button again.)

4. With 2-13 selected, touch the [Setup] button .

5. Confirm that “Cool/Heat Enable” is displayed for Cool/Heat Option in 2-13 and “Cool/Hear Disable” is displayed for all other Cool/Heat Options within the same series address (“1” in this example). (When “Cool/Heat Enable” or “Cool/Heat Disable” is not displayed, wait for a while and touch the [Latest Refresh] button again.)

After this confirmation, touch the [Close] button to terminate the setup operation for cooling/heating control assignment.

All the settings have been changed through the above steps.

16. Add Option Software after Test Operations

Figure 1 License Key Input Screen

License key input

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

Basic software XXXXXXXXXXXXXXXX

Intelligent Touch Controller

Option	License key

Add

OK

The following describes how to add option software after completion of test operations.

- Perform service login according to the procedure shown in Section 14 “Service Login” and select “System.”
Then, select “License key input” on that screen and touch the [Execute] button to confirm that the License Key Input screen (see Figure 1) is displayed.

2. Input the license key as described in Section 9 “Input License Key.” Be sure to check the license key input in Section 9 in advance for correct key input in this field.

After license key input, touch the [OK] button to determine the key input.

17. Add DIII-NET Plus Adapter after Test Operations

Figure 1 Service Functions Menu Screen

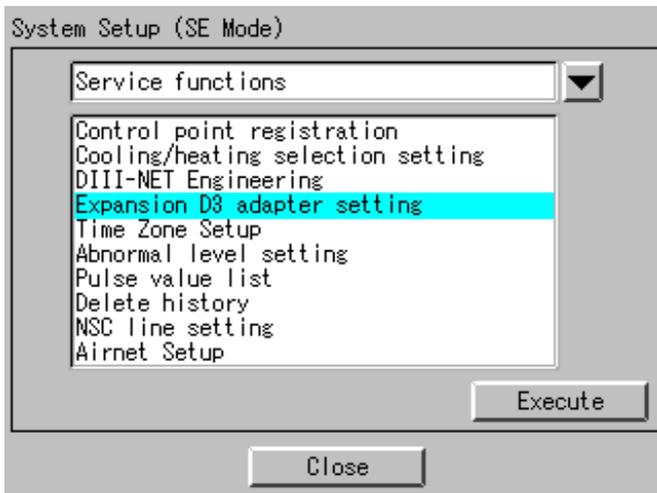
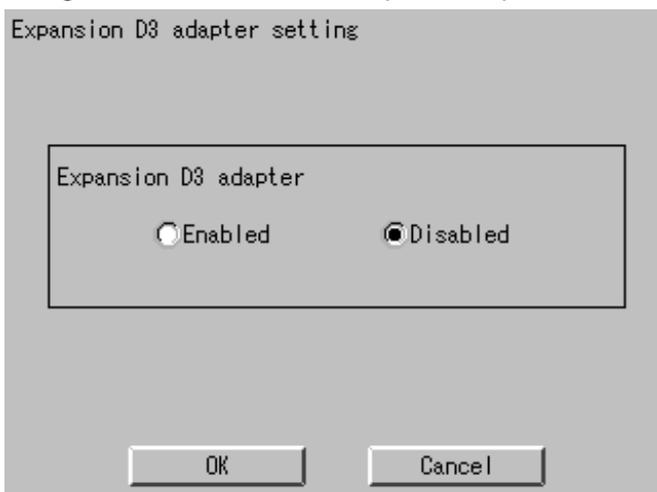


Figure 2 DIII-NET Plus Adapter Setup Window



The following describes how to add the DIII-NET Plus adapter.

1. Perform service login according to the procedure shown in Section 14 “Service Login” and select “Service functions.”

Then, touch “Expansion D3 adapter setting” on that screen to confirm that the screen shown in Figure 2 is displayed.

2. When enabling the DIII-NET Plus adapter, touch an [Enable] radio button. Otherwise, select a [Disable] radio button.

Then, touch the [OK] button to determine the setting and confirm that the restart confirmation screen is displayed.

Next, touch the [OK] button to restart ITC according to the direction given on that screen.

* : When removing the attached DIII-NET Plus adapter, be sure to delete all control points connected to this DIII-NET Plus adapter according to the descriptions given in “**Operations for Control Point Deletion**” on page 20 before directly changing the setting from Enable to Disable on this screen.

18. Connect Additional Units to ITC (for Air-conditioner)

Figure 1 Control Point Registration Screen

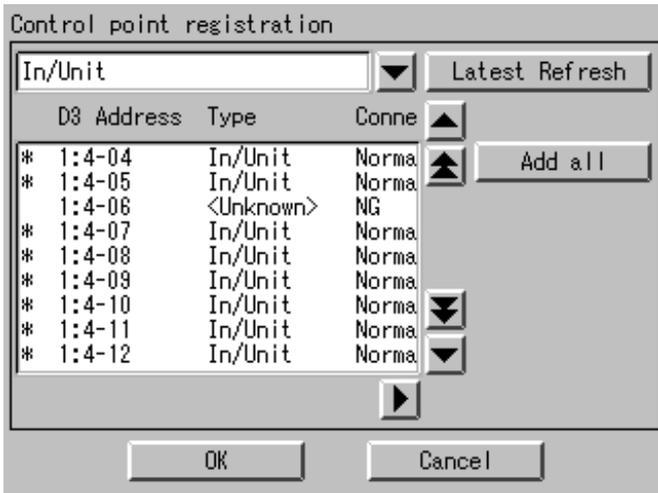


Figure 2 Addition of Control Points

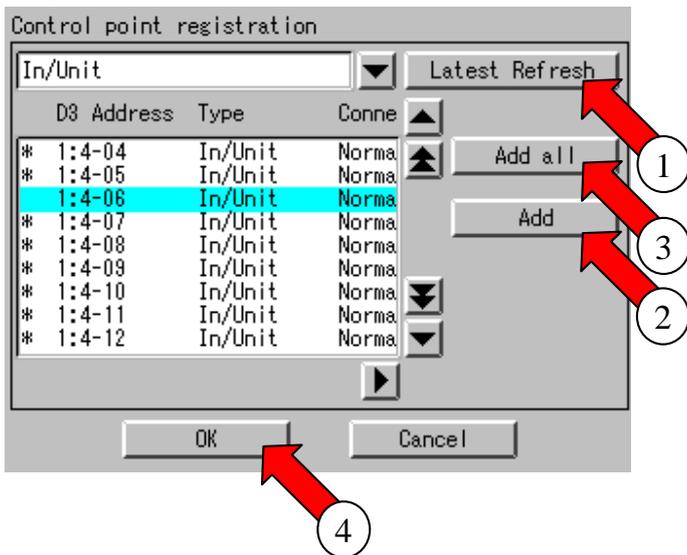
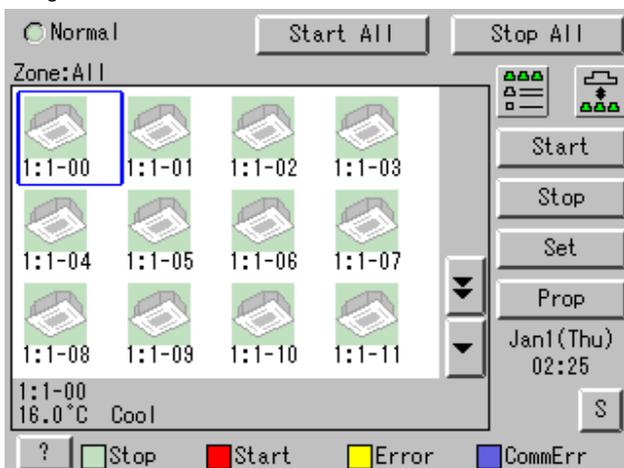


Figure 3 Main Screen



The following describes how to connect additional units to ITC after completion of test operations.

1. Set the DIII-NET address of an additional unit to be connected to ITC.
2. Perform service login according to the procedure shown in Section 14 “Service Login” and select “Service functions.”
Then, select “Control point registration” on the menu and confirm that the screen shown in Figure 1 is displayed.

When address setting is complete, “Type=<Unknown>”, “Connecting=NG” is initially displayed for the newly added unit. In this status, touch the [Latest Refresh] button

3. Confirm that “Normal” is displayed in the Connecting field for an air-conditioner whose address has been set.
(When “NG” remains, wait for a while and touch the [Latest Refresh] button again.)
(When “Normal” is not displayed regardless of retry, check whether address setting has been made correctly.)

After confirm that “Normal” is displayed in the Connecting field, select the address of a unit to be added and touch the [Add] button
(When there are multiple units to be added, repeat the address setting steps and touch the [Add all] button
Then, confirm that the + mark is displayed at the left end of the address and touch the [OK] button
Finally, restart ITC according to the direction given on the screen.

4. When the added unit can be monitored on the screen displayed after ITC restart, it can conclude that it has been added (connected) to ITC successfully.

* : When deleting control points, read the descriptions under the heading “**Operations for Control Point Deletion**” on page 20.

18. Connect Additional Units to ITC (for Other Equipment)

Figure 1 Control Point Registration Screen

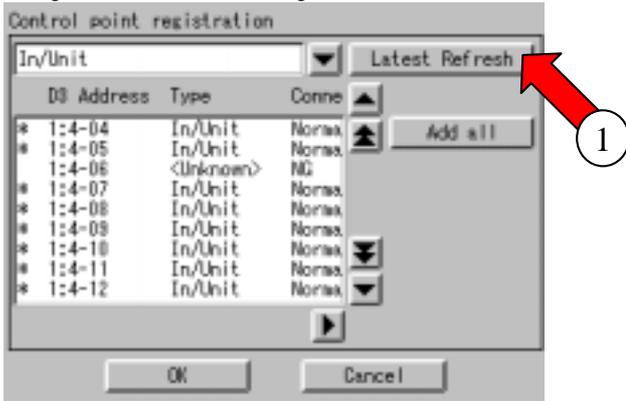


Figure 2 Addition of Control Points

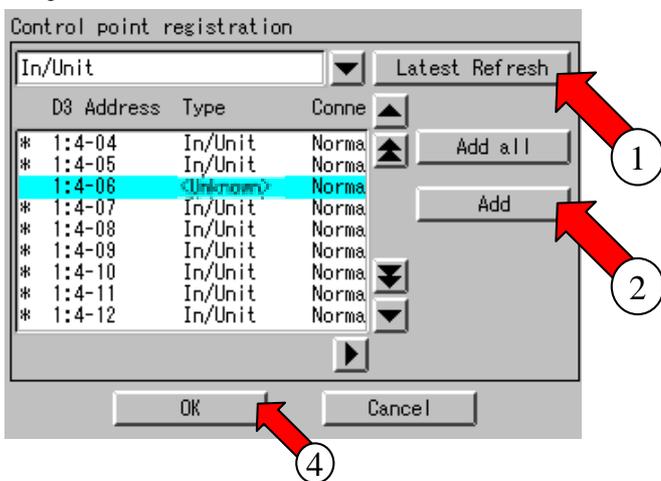
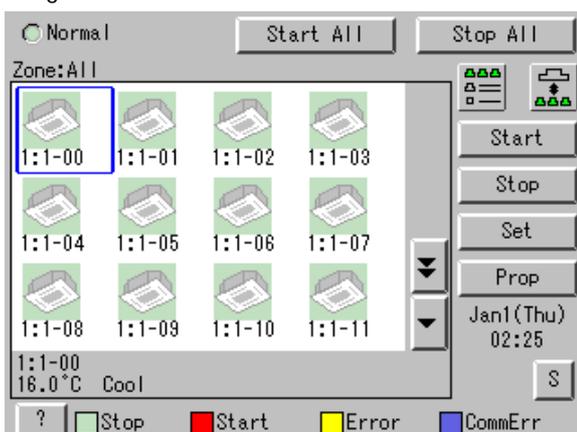


Figure 3 Add Type Selection Screen



Figure 4 Main Screen



The following describes how to connect additional units to ITC after completion of test operations.

1. Set the DIII-NET address of an additional unit to be connected to ITC.
2. Perform service login according to the procedure shown in Section 14 “Service Login” and select “Service functions.”
Then, select “Control point registration” on the displayed menu and confirm that the screen shown in Figure 1 is displayed.

When address setting is complete, “Type=<Unknown>”, “Connecting=NG” is initially displayed for the newly added unit. In this status, touch the [Latest Refresh] button

3. Confirm that “Normal” is displayed in the Connecting field for an air-conditioner whose address has been set.
(When “NG” remains, wait for a while and touch the [Latest Refresh] button again.)
(When “Normal” is not displayed regardless of retry, check whether address setting has been made correctly.)

After confirming that “Normal” is displayed in the Connecting field, select the address of a unit to be added and touch the [Add] button to confirm that the Add Type Selection (see Figure 3) screen is displayed.

4. Select the unit type of a control point to be added.
Then, select the unit type with a radio button and touch the [OK] button.
Then, confirm that the screen shown in Figure 2 is displayed again and the selected unit type is displayed in the Type field.

When the added unit type is HRV, make the settings shown in steps 3 and 4 on page 20.

Then, touch the [OK] button and restart ITC according to the direction given on the screen.

5. When the added unit can be monitored on the main menu displayed after ITC restart, it can conclude that the unit has been added (connected) to ITC successfully.

* : When deleting control points, refer to the descriptions under the heading “**Operations for Control Point Deletion.**”