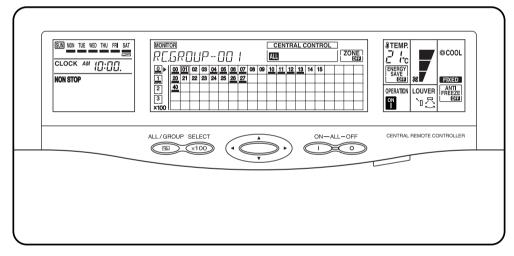# OPERATING MANUAL

CENTRAL REMOTE CONTROLLER
UTB-YCA
UTB-GCA

Before using this controller, please read this [OPERATING MANUAL] to ensure correct operation. Keep this manual for future reference.

FUJITSU GENERAL LIMITED

CONTENTS

1. SAFETY PRECAUTIONS

- Before using CENTRAL REMOTE CONTROLLER, read this "SAFETY PRECAUTIONS" thoroughly to ensure the correct operation.
- This section discribes the important safety information to operate CENTRAL REMOTE CONTROLLER.
- The meanings of "WARNING" and "CAUTION" are explained as follows.

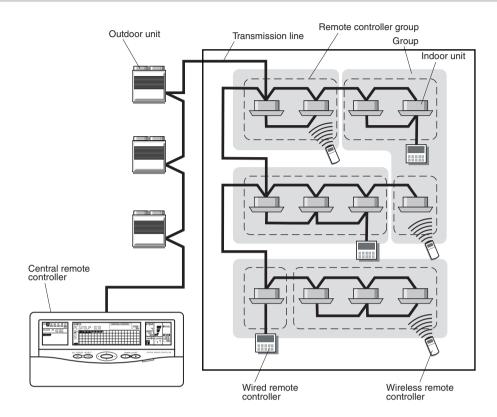| ⚠ WARNING!	**This mark indicate procedures which, if improperly performed, are most likely to result in the death of or serious injury to the user or service personnel.**
⚠ CAUTION!	**This mark indicates procedures, which might result in personal harm to the user or damage to property if improperly performed.**

⚠WARNING!

- **Do not attempt to install this controller by yourself.**
- **This controller contains no user-serviceable parts. Always consult authorized service personnel for repairs.**
- **When moving this controller, consult authorized service personnel for disconnection and installation of the unit.**
- **If the problem (burning, smell, etc) occurs, turn off the electrical breaker immediately to stop operation and then consult the authorized service personnel.**
- **If the power supply cord becomes damaged, contact your service representative for instruction.**

⚠ CAUTION!

- **Do not expose the controller directly to water.**
- **Do not operate the controller with wet hands.**
- **Do not touch the switches with sharp objects.**
- **Always turn off the electrical breaker whenever cleaning the controller, the air conditioner or the air filter.**
- **Ensure that all electronic equipment is at least one meter away from the controller.**
- **Avoid installing the controller near a fireplace or other heating apparatus.**
- **When installing the controller, take precautions to prevent access to infants.**
- **Do not use inflammable gases near the controller.**
- **At the time of installation, always provide a breaker for electrical leakage.**
- **Always use fuses with the proper capacity and type.**

2. SYSTEM OUTLINE

2-1. SYSTEM OUTLINE

Please consult your sales representative when two or more central remote controllers need to be installed in one system.

• What is the central remote controller?

The central remote controller allows all the stored **remote controller groups** (the indoor units) to be controlled from a remote location.

(Refer to "2-3. EXPLANATION OF TERMS 1" for details about **remote controller groups**.)

• Three functions of the central remote controller

• CENTRAL CONTROL

The central control provides management of the **remote controller groups** (the indoor units). This includes placing restrictions on the standard remote controllers or performing memory operation for easily reproducing operating conditions that have been saved.

• OPERATION CONTROL

The operation control provides a controlled operation (such as to stop operation) of the stored **remote controller groups** (the indoor units) in the same manner as the standard remote controller.

• TIMER CONTROL

The timer control allows the starting and stopping of stored **remote controller groups** and indoor units through the timer functions in the central remote controller. These timer functions include: the off timer, on timer and weekly timer.

4

- **Three control methods of the central remote controller**
- **Individual control**
  Provides control for each respective **remote controller group**.
- **Group control**
  Provides control for each **group** which is made up of single or multiple previously set remote control groups.
  (Refer to "2-3. EXPLANATION OF TERMS" for details about **groups**.)
- **All control**
  Provides control for all remote control groups that have been stored in the central remote controller.

2-2. FEATURES

2. SYSTEM OUTLINE

The front panel of the remote controller can be divided by function into three different control areas.

CENTRAL CONTROL
The central control provides management of indoor units. This includes placing restrictions on the standard remote controllers or performing memory operations.

If multiple remote control groups are set as one group,the control of these remote control groups can be realized by simply choosing the group.

By setting the central remote controller, it is possible to lock the function of the standard controllers. Items of selections to lock are all functions, timer mode, operating mode, temperature setting, reset filter, and ON/OFF.
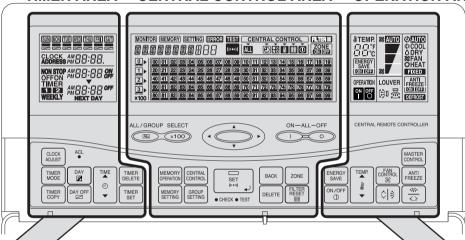

MEMORY

Setting contents of central remote controller are all memorized, so that each indoor unit can be operated in the memorized condition even if the operating conditions are changed later on.

▼

| 4-1. GROUP INFORMATION STORE |

▼

| 4-2. STANDARD REMOTE CONTROL OPERATION PROHIBIT SETTING |

▼

| 4-3. MEMORY OPERATION |

TIMER AREA CENTRAL CONTROL AREA OPERATION AREA

TIMER CONTROL
This function is used to provide time-related controls, such as start and stop, of the indoor unit by presetting the timer.

Weekly timer is equipped as standard function. (Up to 2 times ON/OFF per day for one week).

▼

| 6-3. WEEKLY TIMER |

OPERATION CONTROL
This function provides a controlled operation(such as to stop operation)of the indoor units in the same manner as the standard remote controller.

When the temperature of the room becomes low,the indoor unit will automatically start the heating operation until the temperature increases to a preset temperature.

▼

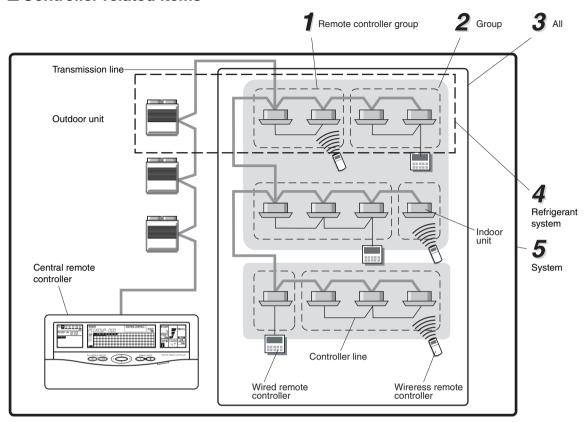| 5-10. ANTI FREEZE OPERATION |

Other basic functions

Notes:
- Central remote controller can control the indoor unit by all / group / individual.
- UP to 400 indoor units or 64 group can be controlled with one central remote controller.
- UP to 16 central remote controllers can be connected in one system.

2-3. EXPLANATION OF TERMS

■ Controller related items

1
Remote Controller group:
This is the control unit of indoor units that have been connected with one controller line as well as the control unit of a single indoor unit that has not been connected with any controller line.
These two kinds of control units are the smallest unit controlled by central remote controller, and are called a remote control group.

2
Group:
This is a control unit comprised single or multiple remote control groups.

3
All:
This is a control unit of all remote control groups that have been stored in the central remote controller.
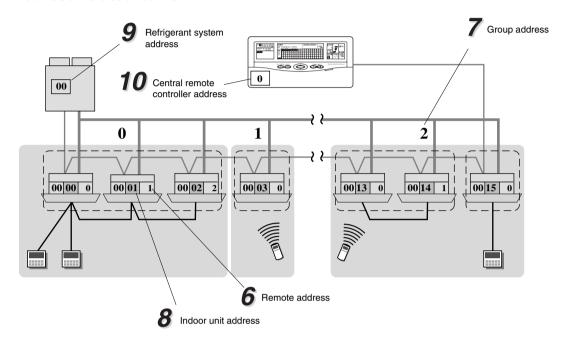
4
Refrigerant system:
This is a system that is composed of indoor units, outdoor unit as well as those of relevant control equipment. All of the units and the equipment are connected with pipes with the same refrigerant.

7

5 **System:**
This is all of the indoor units, outdoor unit as well as those of relevant control equipment (central remote controllers, standard remote controllers) that are connected with the same communication cable.

■ Address related items

6 **Remote controller address (0~15):**
This is the ID individually assigned to the indoor units forming each remote control group and is used for control.
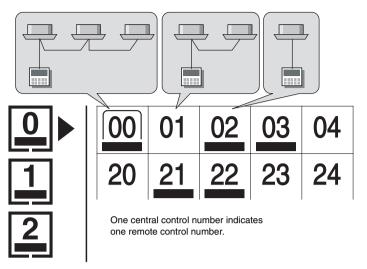
7 **Group number (0~63):**
This is the ID individually assigned to each group and is used for control.

8 **Indoor unit address (0~63):**
This is the ID individually assigned to each indoor unit and is used for control.
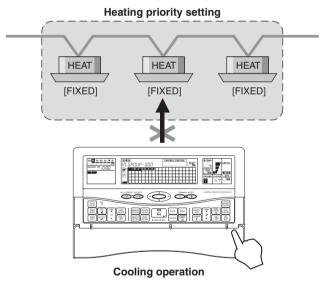
9 **Refrigerant system address (0~99):**
This is the ID individually assigned to each refrigerant system and is used for control.

10 **Central remote controller address (0~15):**
This is the ID individually assigned to each central remote controller and is used for control.

One central control number indicates one remote control number.

11 **Central control number (0~339):**
These are the numbers by which the control of the indoor units is performed.
Each number that appears on the LCD of the central remote controller is the number that has been assigned individually to a remote control group to be controlled and has been stored in the central remote controller. Refer to the SETTING MANUAL for specific details.
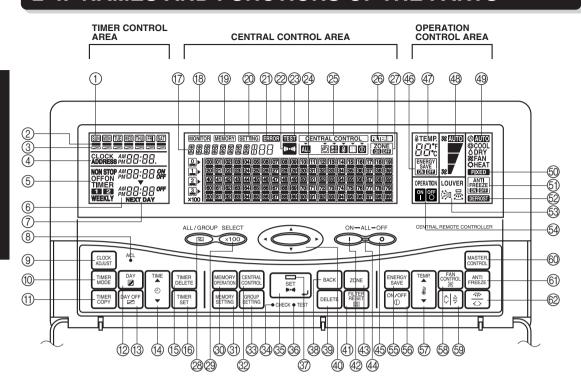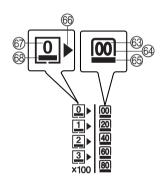
Heating priority setting

Cooling operation

12 **Cooling / Heating priority:**
When a HEAT PUMP TYPE operating system is used, the system can only be performed in one of two operation modes (cooling / heating) for single refrigerant system. When an indoor unit in the system first starts an heating operation, the system is then in "heating priority". This means the system will refuse a command for changing the operation mode. On the other hand, when an indoor unit in the system first starts a cooling operation, the system is then in "cooling priority". The system will refuse to change to any other operation mode, except for the drying operation.

FIXED will appear on the LCD when the indoor units associated with the selected central control number exists in cooling / heat pump type refrigerant system.

2. SYSTEM OUTLINE

CENTRAL CONTROL NUMBER

63	Visible numbers represent the central control numbers that have been stored. An error will cause the relevant central control number to flash.
64	Cursor: To be used in order to select the central control number. It flashes when the filter need to be cleaned or exchanged.
65	Visible under lines distinguish the operating indoor units from all indoor units.
66	Page cursor: To show the current page.
67	Visible page numbers inform that there are some central control numbers in the page. An error will cause the relevant page number to flash.
68	Visible under lines inform that at least one indoor unit which is stored in this page is now operating.

TIMER CONTROL AREA

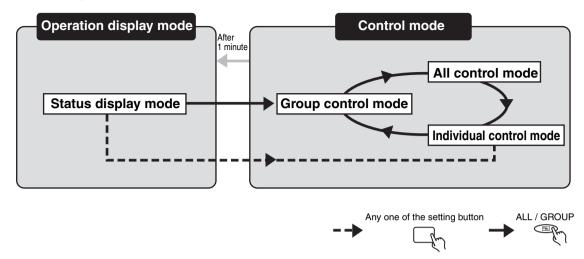|		
①	DAY OF THE WEEK DISPLAY	Displays the day of the week.
②	WEEKLY TIMER STATUS DISPLAY	Appears when the weekly timer has been set for the day.
③	DAY OFF DISPLAY	Appears when the set weekly timer is temporarily cancelled for the day.
④	CLOCK AND ADDRESS DISPLAY	Shows the current time and address.
⑤	TIMER MODE DISPLAY	Shows the selected timer mode.
⑥	ON/OFF TIME DISPLAY	Shows the ON/OFF time to be or have be set.
⑦	NEXT DAY DISPLAY	Appears when the set OFF time exists in the subsequent day.
⑧	ALL CLEAR BUTTON	To delete all set value in the central remote controller.
⑨	CLOCK ADJUST BUTTON	To set the time.
⑩	TIMER MODE BUTTON	To enter the control mode and to change the timer mode (WEEKLY TIMER / NON STOP / OFF TIMER / ON TIMER).
⑪	TIMER COPY BUTTON	To copy one day's weekly timer settings and paste them to another day.
⑫	DAY BUTTON	To change the day.
⑬	DAY OFF BUTTON	To temporarily cancel the weekly timer setting (Day off function) for a special day.
⑭	TIME BUTTON	To set ON/OFF time.
⑮	TIMER DELETE BUTTON	To cancel the set time.
⑯	TIMER SET BUTTON	To confirm and save the time setting.

CENTRAL CONTROL AREA

⑰ STATUS DISPLAY	Displays the various kinds of information.
⑱ MONITOR DISPLAY	Comes on together with an individual status display.
⑲ MEMORY DISPLAY	Comes on during memory operation and setting for memory operation.
⑳ SETTING DISPLAY	Comes on during various setting.
㉑ ERROR DISPLAY	Comes on or flashes when error is detected.
㉒ TRANSMIT INDICATOR DISPLAY	Flashes in the period of sending the new setting from the central remote controller to other units.
㉓ TEST DISPLAY	Comes on during test operation.
㉔ GROUP CONTROL DISPLAY	Displays the stored central control number and the operating status of the currently selected indoor units.
㉕ CENTRAL CONTROL DISPLAY	Comes on when the functions of the standard remote controller have been prohibited by the central remote controller.
㉖ FILTER RESET DISPLAY	Flashes when the filter of the selected indoor units need to be cleaned or exchanged (The relevant DIP switches in the indoor units and in the central remote controller need to be set firstly.).
㉗ ZONE DISPLAY	When zone operation is conducted, zone on comes on, otherwise zone off comes on.
㉘ ALL / GROUP BUTTON	To change the control mode (individual / group / all).
㉙ SELECT ×100 BUTTON	To switch to the next screen of the central control numbers by 100.
㉚ MEMORY BUTTON	To operate the memorized condition.
㉛ MEMORY SETTING BUTTON	To conduct memory operation setting.
㉜ CENTRAL CONTROL BUTTON	To fully or partially prohibit the setting from the selected standard remote controllers.
㉝ GROUP SETTING BUTTON	To start the group setting.
㉞ CHECK BUTTON	To switch to error code display.
㉟ SET BUTTON	To confirm the new setting and to send signals to the indoor units whose settings need to be changed.
㊱ TEST BUTTON	To start test operation.
㊲ SET LED	Lights up when the new setting has been made. It will go out when the newly set information has been sent to the relevant indoor units.
㊳ BACK BUTTON	To cancel the just made setting and to return to the previous screen.
㊴ DELETE BUTTON	To delete the set item.
㊵ SELECT BUTTON	To select the central control number in central control display.
㊶ FILTER BUTTON	To reset the flashing filter indicator after exchanging and cleaning the filter.
㊷ ALL ON BUTTON	To start the operation of all indoor units stored in the central remote controller.
㊸ ZONE BUTTON	To start and stop zone operation.
㊹ ALL ON / OFF LED	Flashes when error occurs. It will light up when an indoor unit is operating.
㊺ ALL OFF BUTTON	To stop the operation of all indoor units stored in the central remote controller.

OPERATION CONTROL AREA

㊻ ENERGY SAVE DISPLAY	When energy save operation is conducted. ENERGY SAVE ON comes on, otherwise ENERGY SAVE OFF comes on.
㊼ TEMPERATURE DISPLAY	Shows the set temperature.
㊽ FAN CONTROL DISPLAY	Shows the set fan speed.
㊾ MASTER CONTROL DISPLAY	Shows the current operating mode.
㊿ FIXED COOLING OR HEATING DISPLAY	Comes on when the indoor unit is set in the cooling and heat pump type refrigerant system.
�51 ANTI FREEZE DISPLAY	When the anti freeze operation is conducted. Anti freeze ON comes on. Otherwise Anti freeze OFF comes on.
�52 DEFROST DISPLAY	Appears when the refrigerant system of the selected indoor unit is carrying out a defrost operation.
�53 AIRFLOW DIRECTION DISPLAY	Shows the method to control the airflow direction.
�54 ON / OFF DISPLAY	Shows the operating condition (ON / OFF) of the indoor units associated with the selected central control number.
�55 ENERGY SAVE BUTTON	To start or stop the energy save operation which is a method to keep energy consumption cost down by controlling the thermostat temperature setting.
�56 ON / OFF BUTTON	To turn the selected indoor units on and off.
�57 TEMP. BUTTON	To set room temperature.
�58 FAN CONTROL BUTTON	To change the fan speed.
�59 HORIZONTAL AIRFLOW DIRECTION AND SWING BUTTON	To set the angle or movement of up / down swing of the flaps.
�60 MASTER CONTROL BUTTON	To change the operating mode.
�61 ANTI FREEZE BUTTON	To start and stop anti freeze operation.
�62 VERTICAL AIRFLOW DIRECTION AND SWING BUTTON	To set the angle or movement of right / left swing of the flaps.

3. BASIC OPERATION
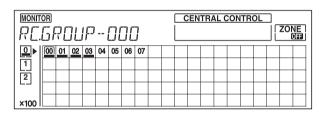
The following shows the two major screens of the display of the central remote controller.

Any one of the setting button   ALL / GROUP
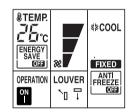
- **Operation display mode (monitor screen)**

  The operating condition of each remote control group that has been stored in the central remote controller is displayed. When a central control number is selected with the button ⬭, the current operating condition of the relevant indoor units is shown on the LCD.
  If no action is taken, this mode will be shown.

- **Control mode (Setting screen)**

  Control mode is used to set the items to be controlled to the remote control groups that has been stored in the central remote controller. There are three control modes in the central remote controller.

  Individual control mode: Used for setting items to be controlled to a single remote control group.
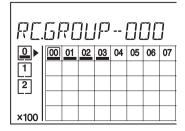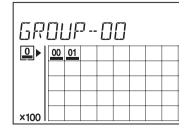
  Group control mode: Used for setting items to be controlled to a grouped remote control group.
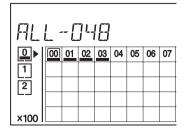
  All control mode: Used for setting items to be controlled to all of the remote control group.

Individual control mode   **Group control mode**   **All control mode**
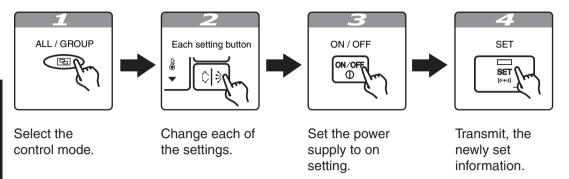
3-1. BASIC FLOW OF OPERATION
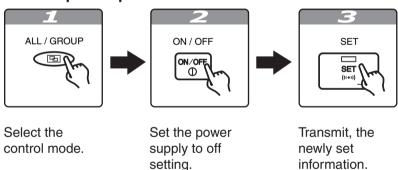
This section explains the basic flow of operation.

■ To start operation

Select the control mode.

Change each of the settings.

Set the power supply to on setting.

Transmit, the newly set information.

* When several control items need to be changed, complete all the changes in **2** and then send in **4**.

* Use the following sequence **1** → **2** → **4** to make changes without starting the unit.

■ To stop the operation

Select the control mode.

Set the power supply to off setting.
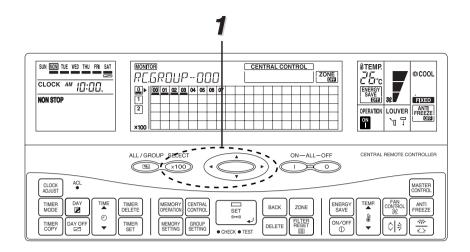
Transmit, the newly set information.

Notes
- All the indoor units can be turned on / off at the same time with this central remote controller. For details, refer to "5-1. ALL OPERATION/ALL STOP."
- Please refer to sections 4, 5, 6 for details about specific operations.
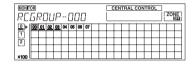
3-2. OPERATION DISPLAY MODE

1 Use $\overset{SELECT}{\times 100}$ and $\overset{}{\underset{}{\overset{}{\bigcirc}}}$ to select the desired control number.
The cursor over the central control number tells you the central control number being selected.
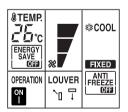
- **MONITOR** comes on in the individual operation display.

- $RC.GROUP.--000$ is displayed in the status display. The currently selected central control number is displayed. (In this example, the selected control number is 00.)

2 The operation display of the remote control group associated with the selected central control number is obtained.

3-3. CONTROL MODE

The control of remote control groups is provided by setting the relevant items in control mode. The following procedure for the setting is the same for any of the control modes (**Individual control mode / Group control mode / All control mode**).

1 Push $\overset{ALL/GROUP}{\fbox{}}$ to select control mode from among Individual control mode / Group control mode / All control mode.
If you wish to change the setting of the remote control group currently displayed in the operation display mode, it can be started from step 3.

```
GROUP-00
◻▸  00 01
×100
```
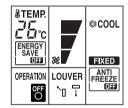
2
- When Individual control mode is selected, use $\overset{SELECT}{\fbox{×100}}$ and $\langle\overset{\wedge}{\underset{\vee}{\ominus}}\rangle$ to select the desired central control number, then go to step 3.

- When Group control mode is selected, use $\langle\ominus\rangle$ to select the desired group number, then go to step 3.

- When All control mode is selected, go directly to step 3.

```
GROUP-01
◻▸  02 03
×100
```

3 Press the buttons to change the items of setting. Refer to "2-4. NAMES AND FUNCTIONS OF THE PARTS" for information about the buttons.
The newly set operation conditions will be applied to the indoor units associated with the central control numbers selected in step 2.

If there is a change on setting, LED $\overset{\fbox{SET}}{}$ will light up to indicate that new information about the settings needs to be sent to the relevant indoor units.

```
🌡TEMP.       ❄COOL
26°C
ENERGY
SAVE    ❄   FIXED
OFF
OPERATION  LOUVER  ANTI
OFF                FREEZE
○    ↘↕ ↧      OFF
```
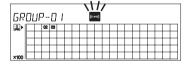
4 Press $\overset{\fbox{SET}}{↵}$ to send the signal to the indoor unit.

$((•))$ will flash during transmission.

```
GROUP-01    ((•))
◻▸  02 03
×100
```
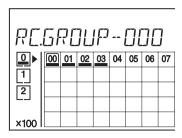
5 When the signal transmission is completed, $((•))$
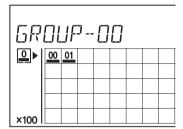
and LED $\overset{\fbox{SET}}{}$ will go out. The indoor unit will start to operate under newly set condition immediately.

```
GROUP-01
◻▸  02 03
×100
```

```
RC.GROUP-000
```

0	▶	00	01	02	03	04	05	06	07
1									
2									
×100									
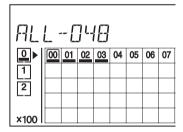
Individual control mode

• To be used to change the settings of a single remote control group.

```
GROUP-00
```

0	▶	00	01						
×100									

Group control mode

• To be used to change the settings of remote controller groups in group control unit.
• Only the central control numbers (the indoor units) that have been stored in the group appear on the LCD, when the group is selected.
• When the central control numbers that have been stored in the group are not all included in that one page of LCD, the relevant page number will also come on when the group is selected.
• If groups are composed of indoor units of HEAT PUMP TYPE refrigerant system, **FIXED** will appear on the LCD.

```
ALL-048
```

0	▶	00	01	02	03	04	05	06	07
1									
2									
×100									

All control mode

• To be used to change the settings of all remote control groups that have been stored in the central remote controller.

3. BASIC OPERATION

Notes ℹ	• In order to shorten the setting time as well as to simplify the setting procedure, it is possible to send all of the set information by pressing [SET] after all the changes have be made. (Refer to "3-1. BASIC FLOW OF OPERATION".) • The time between each press of the buttons should be less than 1 minute, otherwise, after five time of Beep sound. (in 30 seconds) all the changes that have been made will disappear.

3-4. FUNCTION LIST

The following show the function list of the central remote controller. The functions shown with a ✅
can be set following the procedures shown in "3-1. BASIC FLOW OF OPERATION". Refer to each of
the items for more detail information.

	Function	Description of the function	Reference page
CENTRAL CONTROL FUNCTION	Group information store	Form a control unit - "group" which is combined by remote control groups (indoor units) so that the indoor units in the same group can be controlled simultaneously. Standard remote controller operation prohibition setting: Restrict the setting items of a standard remote controller.	P20
	Standard remote controller operation prohibit setting	Sets the operating limit for the standard remote control for the assigned indoor unit.	P23
	Memory operation	Save the current operating conditions. The saved operating conditions can be reproduced at any time easily.	P26
	✅ Zone setting	Perform zone operation.	P28
	✅ Filter indicator reset	Reset the filter indicator after cleaned or exchanged the filter.	P30
OPERATION CONTROL FUNCTION	All operation / All stop	Operate or stop all the indoor units that have been stored to the central remote controller.	P32
	✅ Operation / Stop	Operate / Stop the selected indoor units.	P33
	✅ Operating mode setting	Perform the operating mode setting of the selected indoor units.	P35
	✅ Temperature setting	Perform the room temperature setting of the selected indoor units.	P38
	✅ Fan speed setting	Perform the fan speed setting of the selected indoor units.	P39
	✅ Flow direction setting (vertical)	Adjust the vertical angle of the flaps of the selected indoor units.	P41
	✅ Flow direction setting (horizontal)	Adjust the horizontal angle of the flaps of the selected indoor units.	P44
	✅ Swing setting	Perform auto-swing operation in vertical or in horizontal direction.	P46
	✅ Energy save operation setting	Perform the energy save operation in order to operate the system economically.	P50
	✅ Anti freeze operation	Automatically start a heating operation to prevent the room temperature from becoming too low and stop when the temperature rises above a preset level.	P53
TIMER CONTROL FUNCTION	OFF timer	Stop the indoor units at the set time.	P56
	ON timer	Start the indoor units at the set time.	P58
	Weekly timer	Up to two on / off settings for each day of the week.	P60

Notes 　Beep sound:

ℹ️ 　The BEEP sound has the following meanings.
- "Beep"
  This is the beep sound made when a button is operated.
- "Beep Be"
  This is the beep sound when the transmission has been completed in the control mode.
- "Beep Beep Beep Beep Beep"
  This is the beep sound when there has been an operating error.
- "Beep-Beep, Beep-Beep, Beep-Beep, …"
  This is the beep sound when you forget to press the transmit key when in the control mode.

4. CENTRAL CONTROL METHOD (CENTRAL CONTROL AREA)
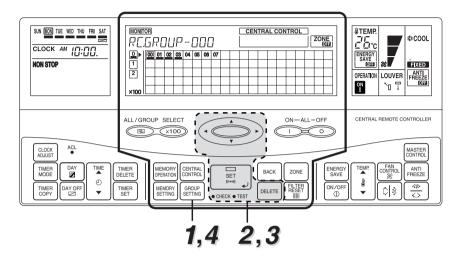
This section explains the methods on group information store, on how to place the restrictions on the standard remote controllers, as well as the control items on management of the indoor units using the setting buttons in central control area of the central remote controller.

4-1. GROUP INFORMATION STORE
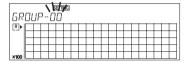
It is necessary to do group information store before group control is conducted with the central remote controller.
The following shows the procedure of group information store.
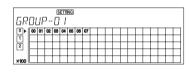
1,4   2,3

4-1-1.   To do group information store

1 Press $\boxed{\text{GROUP SETTING}}$ to enter the group information store mode.
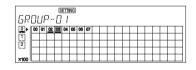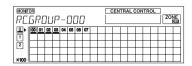
2 Select the group number whose group information store need to be performed with $\bigcirc$ and set by pressing $\boxed{\text{SET}}$.

3 Press $\bigcirc$ to select the central control number to be stored in the selected group. Press $\boxed{\text{SET}}$ to store.
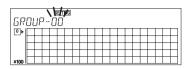
4 To continue group information store, press $\boxed{\text{BACK}}$ to return to the group number selection screen of 1 and repeat steps 2 and 3. To complete the group information store, press $\boxed{\text{GROUP SETTING}}$ in the group selection screen shown in step 1.

4-1-2. To delete the stored information in group

1 **Press** $\boxed{\substack{\text{GROUP}\\\text{SETTING}}}$ **to enter the group information store.**

```
           SETTING
GROUP-00
 0 ▶
×100
```

2 **Use** $\boxed{\bigcirc}$ **to select the group whose stored information is to be deleted and then press** $\boxed{\substack{\text{SET}\\((•))}}$ **to set it.**

If $\boxed{\text{DELETE}}$ **is pressed at this time, all the central control numbers registered in the selected group will be deleted.**

```
              SETTING
GROUP-01
 0 ▶ 00 01 02 03 04 05 06 07
 1
 2
×100
```

3 **Use** $\boxed{\bigcirc}$ **to select the central control number in the group selected in step 2 and press** $\boxed{\text{DELETE}}$ **to delete it.**
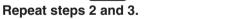
Repeat step 3 to continue deleting the stored central control number in the same group.

```
              SETTING
GROUP-01
 0 ▶ 00 01 02 03 04 05 06 07
 1
 2
×100
```
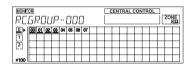
4 **If you wish to delete the stored information in other group, press** $\boxed{\text{BACK}}$ **to return to screen of step 1.**

Repeat steps 2 and 3.

To end the deletion of the stored group information, press $\boxed{\substack{\text{GROUP}\\\text{SETTING}}}$.

```
 MONITOR            CENTRAL CONTROL
RC.GROUP-000                    ZONE OFF
 0 ▶ 00 01 02 03 04 05 06 07
 1
 2
×100
```

4. CENTRAL CONTROL METHOD
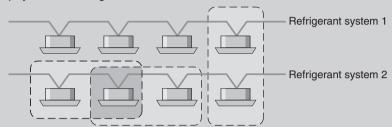
Notes ⚠ Group Information Store

The following show the restrictions on group information store.
- A maximum of 64 groups can be formed in one system.
- A maximum of 64 remote control groups can be stored per group.
- Since the remote control group is the smallest control unit and can not be broken up, the group must be made up with complete remote control groups.
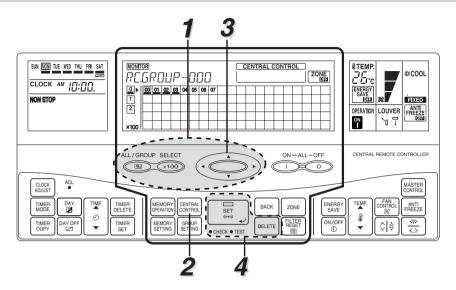
The following show examples of group formation. There are some restrictions on operating mode, on display for the following occasions.

Refrigerant system 1

Refrigerant system 2

- Group formed with the indoor units in two refrigerant systems.
  When part of indoor units exist in cooling & heat pump type refrigerant system, certain operating mode of the group can not be carried out even if the operating mode is shown on the LCD. In addition, the operating mode is limited owing to cooling / heating priority setting.
- Overlapping groups.
  The operating condition of the indoor units overlapped in the group is determined by the control signal last sent to indoor units.

4-2. STANDARD REMOTE CONTROL OPERATION PROHIBIT SETTING

In validate (or do not able to make) the operation settings from the relevant standard remote controller by pressing the central remote controller. The following shows the centrally controlling items that can be performed.
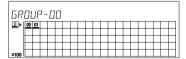
- **ALL** .... Invalidate (or do not able to make) all operation settings from the relevant standard remote controllers.

- 🕐 .... Invalidate (or do not able to make) all timer settings (OFF / ON / WEEKLY) from the relevant standard remote controller.

- 🌡 .... Invalidate (or do not able to make) mode operation setting from the relevant standard remote controller.

- 🌡 .... Invalidate (or do not able to make) temperature setting from the relevant standard remote controller.

- 🔳 .... Invalidate (or do not able to make) filter reset operation from the relevant standard remote controller.

- ⊙ .... Invalidate (or do not able to make) ON / OFF operation of the indoor units from the relevant standard remote controller.

Several of the centrally controlling items can be set simultaneously, except **ALL**. If **ALL** is set, all operation settings of the relevant standard remote controller invalidate (wireless) or cannot be made (wired). The started centrally controlling items can be set only when DIP-SW 2-5 "enable / disable setting of the standard remote controller prohibition function" has been set to enable.

1 **Enter the control mode to select the central control number (the indoor units), so that the relevant standard remote controllers whose centrally controlling items need to be set are also selected.**
Refer to "3-3. CONTROL MODE" for details about control modes.
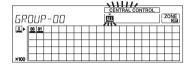
2 Press $\boxed{\substack{\text{CENTRAL}\\\text{CONTROL}}}$ to start setting of the centrally controlling items.
An item selection cursor will appear.

---
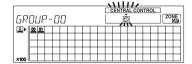
3 Press $\overline{\bigcirc}$ and use the cursor to select the centrally controlling items to be performed.
A symbol will come on for the item that are being set.
- Symbols will go out for those items that are not being set. When it becomes aligned with the cursor, it will start to flash.

---
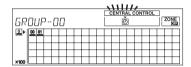
4 Press $\boxed{\substack{\square\\\text{SET}\\((\bullet))\\\downharpoonleft}}$ to set the centrally controlling item to be performed.
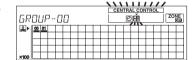
Press $\boxed{\text{DELETE}}$ to cancel the item.

- The symbol comes on after the setting of the centrally controlling item.
- Select **ALL** and all those other symbols will go out because this centrally controlling item includes all those other controlling items by prohibiting all operation settings of standard remote controller.

---
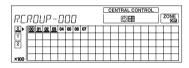
5 Repeat the operations of step 3 and step 4 to perform the desired central control.

---

6 When all the settings have been completed, press $\boxed{\substack{\text{CENTRAL}\\\text{CONTROL}}}$ to end up the centrally controlling settings of the standard remote controllers.

---

7 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

<div style="position: sidebar">

4. CENTRAL CONTROL METHOD

</div>

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Notes

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When several of central remote controllers have been connected in one system, the centrally controlling items, can be set or removed by using any central remote controller in the system. If the set centrally controlling items are not hoped to be removed by setting other central remote controllers, please set the DIP-SW 2-5 "enable / disable setting of the standard remote controller prohibition function" to disable position. (It is recommended that only the host central remote controller should be set to enable and the others should be set to disable.)

**4. CENTRAL
CONTROL METHOD**

4-3. MEMORY OPERATION
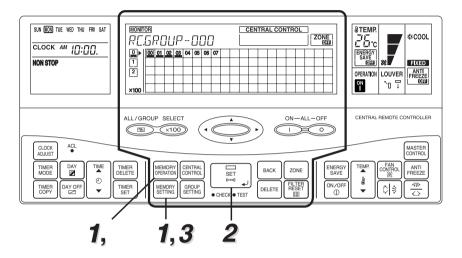
The memory operation can reproduce the operating conditions, which have been saved beforehand, by only one touch of MEMORY SETTING button.

4-3-1. Memory operation settings

Before operating a memory operation, the memory operation setting must be performed so that the operating conditions will be prepared in a memory.
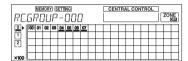
1 **Press** [MEMORY SETTING] **.**

[MEMORY] [SETTING] **will come on and the unit is in memory operation setting mode.**
- **In memory operation setting mode, the contents of the saved memory operation settings are displayed. Press** $\langle\!\!\!\!\langle\;\rangle\!\!\!\!\rangle$ **and** $\overset{SELECT}{\underset{\times 100}{\square}}$ **to check the contents.**

2 **Press** [SET] **and the current operating conditions are saved.**

3 **Press** [MEMORY SETTING] **again to end the memory operation setting mode.**

4-3-2. Memory operation

The memory operation is performed and the saved operating conditions come on to the display.

1 **Press** [MEMORY OPERATION].

After receiving the necessary data from the central remote controller, the indoor unit starts a memory operation.
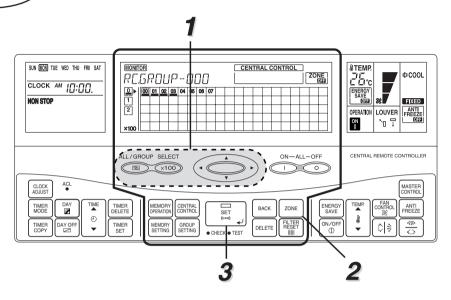
4-4. ZONE SETTING

When the ZONE button is pressed, the actual operation condition (ON or OFF) of the selected indoor units is determined by the set position of the DIP switch in the indoor unit.

4-4-1. To start zone operation
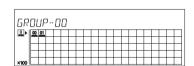
1 **Enter the control mode to select the central control group (the indoor units) whose zone operation is to be performed.**
Refer to "3-3. CONTROL MODE" for details about control modes.
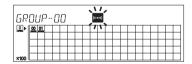
2 **Press** ⎡ZONE⎤ **.** ⎡**ZONE ON**⎤ **will appear.**

3 **It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.**

4-4-2. To end zone operation

1 **Enter the control mode to select the central control group (the indoor units) whose zone operation is to be ended.**
Refer to "3-3. CONTROL MODE" for information about control modes.

```
GROUP-00
🔲▶ 00 01
x100
```

2 **Press** [ZONE] **once again.** $\boxed{\frac{ZONE}{OFF}}$ **will appear.**

```
GROUP-00
🔲▶ 00 01
x100
```

3 **It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.**

```
GROUP-00
🔲▶ 00 01
x100
```
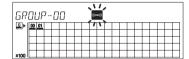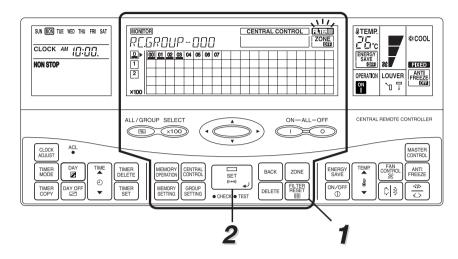
| Note | ⚠ | The zone function can be used only with the following indoor units.
A ☐☐☐☐ TFAMF
A ☐☐☐☐ TFBMF
AU ☐☐ TFBMF |

4. CENTRAL CONTROL METHOD

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4-5. FILTER INDICATOR RESET

The filter indicator flashes when the filter needs to be cleaned or exchanged.

When the working time of the filter reached the set time, the indicator **FILTER▦** and cursor ⌖
associated with the indoor unit will flash in order to inform you that the filter needs to be cleaned or
exchanged.
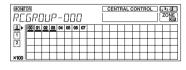
- **Operation display mode /

  Individual control mode...........** **FILTER▦** will flash if the filter of an indoor unit in the currently
  displayed remote control group needs to be cleaned or
  exchanged.
- **Group control mode.................** **FILTER▦** will flash if the filter of any indoor unit in the group
  currently displayed needs to be cleaned or exchanged.
- **All control mode.......................** **FILTER▦** will flash if the filter of any indoor unit in the system
  needs to be cleaned or exchanged.

After the filter has been cleaned, or exchanged please reset the filter indicator by:

1 **Press** [FILTER RESET ▦].

   **FILTER▦ will stop flashing and LED ⌈ SET ⌉ will
   light up.**

2 **Press** ⌈ SET ⌉ **to send the filter reset signal to se-
   lected indoor units, when the signal transmission.
   Transmission is made. FILTER▦ and ⌖ will go out.**
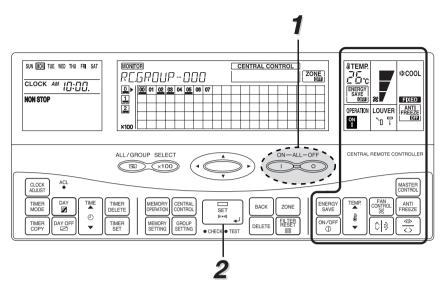
Note Since there is a need to enable the filter indicator function, please consult your sales representative.
ℹ

5. OPERATION SETTING METHOD (OPERATION CONTROL AREA)

This section explains the methods on operation setting using the buttons in operation control area of the central remote controller.

5-1. ALL OPERATION / ALL STOP

5-1-1. All operation
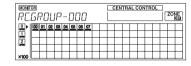
1 Press ⊙ ᴼᴺ⁻ᴬᴸᴸ . ALL -- ON will light up. An all operation signal will be transmitted in the system immediately.
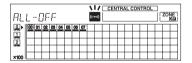
2 A beep sound "Beep Be" signals the end of the transmission.

When the transmission has been completed, (((•))) and ALL -- ON will go out.

5-1-2. All stop
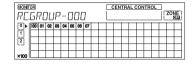
1 Press ⊙ ᴬᴸᴸ⁻ᴼᶠᶠ . ALL -- OFF will light up. An all stop signal will be transmitted in the system immediately.
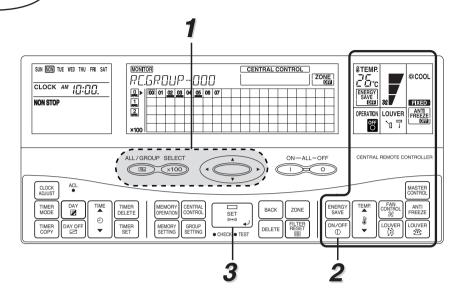
2 A beep sound "Beep Be" signals the end of the transmission.

When the transmission has been completed, (((•))) and ALL -- OFF will go out.

5-2. OPERATION / STOP

5-2-1. To start operation

1 Enter the control mode to select the central control number (the indoor units) to start its operation. Refer to "3-3. CONTROL MODE" for information about control modes.

2 Press [ON/OFF ①] and [ON I] will light up. The setting is applied to the indoor units associated with the selected central control number. Because of the change of the setting, LED [SET] will come on.

3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

5. OPERATION SETTING METHOD

5-2-2.　To stop operation
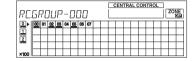
1　Enter the control mode to select the central control number (the indoor units) to stop its operation. Refer to "3-3. CONTROL MODE" for information about control modes.

2　Press [ON/OFF] and [OFF] will light up. The setting is applied to the indoor units associated with the selected central control number. Because of the change of the setting, LED [SET] will come on.
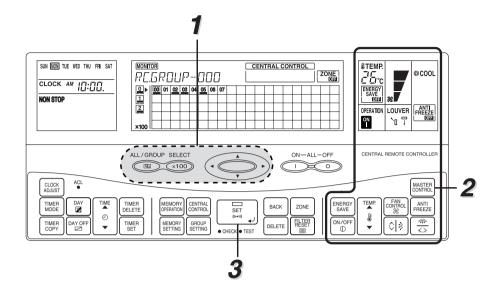
3　It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

5-3. OPERATING MODE SETTING

1 Enter the control mode to select the central control number (the indoor units) whose operating mode needs to be changed.
Refer to "3-3. CONTROL MODE" for information about control modes.

2 Press [MASTER CONTROL] to select the desired operating mode.

The setting is applied to the indoor units associated with the selected central control number. Because of the change of the setting, LED [SET] will come on.

→ Ⓐ **AUTO*** → ❄**COOL** → ◊**DRY** → ✼**FAN*** → ☼**HEAT**** →

3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

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About operating modes

AUTO ..**COOLING MODEL**
- When the room temperature is 2 °C higher than the set tempera-ture, the operating mode will switch between Cooling and Drying.
- During the Drying mode operation, the FAN setting should be switched to LOW for a gently cooling effect during which the fan may temporarily stop rotating.
- If the mode automatically selected by the unit is not satisfactory, see above and change the mode setting (COOL , FAN).

AUTO (AUTO CHANGE OVER) ..**HEAT&COOL MODEL** (Reverse cycle)
- When AUTO CHANGE OVER is selected, the air conditioner selects the appropriate operating mode (Cooling or Heating) according to the real room temperature.
- When AUTO CHANGE OVER is first selected, the fan will operate at very low speed for about one minutes while the unit determines the current conditions of the room and accordingly selects the proper operation mode.
- When the air conditioner has adjusted the room temperature to near the thermostat setting, it will being monitor operation. In the monitor operation mode, he fan will operate at low speed. If the room temperature subsequently changes, the air conditioner will select the appropriate operation (Heating, Cooling) once again to adjust the temperature to the value set with the thermostat. (The monitor operation range is ±2 °C relative to the thermostat setting.)
- If the mode automatically selected by the unit is not satisfactory, see above and change the mode setting (HEAT, COOL, FAN).
- Do not select AUTO CHANGE OVER if the difference in the environmental temperature of the master and slave units is over 2 °C. (Otherwise, the indoor fan may not be controlled correctly.)

Heating
- Use to warm your room.
- When Heating mode is selected, the air conditioner will operate at very low fan speed for about 3 to 5 minutes, after which it will switch to the selected fan speed setting. This period of time is provided to allow the indoor units to warm up before a full operation.
- When the room temperature is very low, frost may form on the outdoor unit, therefore, the perfor-mance of the outdoor unit will decrease. In order to remove such frost, the unit will automatically enter the defrost cycle from time to time. During defrosting, the heating mode will be temporarily interrupted **DEFROST** will be shown on the remote controller display.

5. OPERATION SETTING METHOD

Cooling
• Use to cool your room.

Fan
• Use to circulate the air throughout your room.
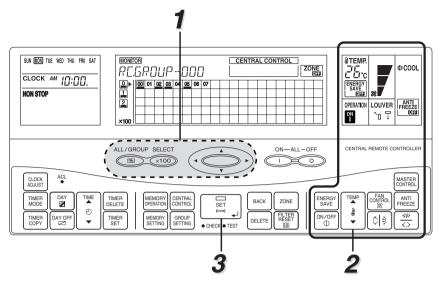
During Heating
The set thermostat temperature should be higher than the actual room temperature, otherwise the heating mode does not work.
During Cooling
The set thermostat temperature should be lower than the actual room temperature, otherwise the cooling mode does not work, however the fan will rotate in cooling mode.

5. OPERATION SETTING METHOD

5-4. TEMPERATURE SETTING

1 Enter the control mode to select the central control number (the indoor units) whose temperature needs to be changed.
Refer to "3-3. CONTROL MODE" for information about control modes.
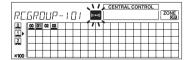
2 Press ⬆️🌡️⬇️ to set the desired temperature. The setting is applied to the indoor units associated with the selected central control number. Because of the change of the setting, LED ⬜ SET (((•))) will come on.

3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

5. OPERATION
SETTING METHOD

Notes ℹ️
- ▲: Press to raise the thermostat setting.
- ▼: Press to lower the thermostat setting.
- Thermostat setting range
  - AUTO .... 18 to 30 °C
  - Heating .... 16 to 30 °C
  - Cooling / Dry ..... 18 to 30 °C
- The thermostat cannot be used to set room temperature during the FAN mode (the temperature will not appear on the display of the central remote controller).
- The thermostat setting should be considered a standard value, and may differ somewhat from the room temperature.
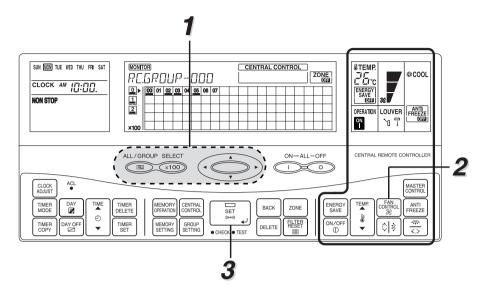
5-5. FAN SPEED SETTING

1 Enter the control mode to select the central control number (the indoor units) whose fan speed needs to be changed.
Refer to "3-3. CONTROL MODE" for information about control modes.
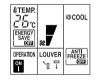
2 Press [FAN CONTROL ❄] to set the desired for speed.
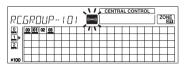
The setting is applied to the indoor units associated with the selected central control number. Because of the change of the setting, LED [SET] will come on.

❄ **AUTO**

AUTO → HIGH → MED → LOW

3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

About the AUTO setting of fan speed

Heating: Fan operates so as to optimally circulate warmed air. However, the fan will operate at very low speed when the temperature of the air issued from the indoor unit is low.

Cooling: As the room temperature approaches that of thermostat setting, the fan speed becomes slower.

Fan: The fan alternately turns on and off; when the fan turns on, it rotates at a low fan speed.

• The fan will operate at a very low speed during the monitor operation by which the room temperature is deleted.

Note ⚠ If fan speed setting is attempted on a cooling & heat pump type refrigerant system, the central control number will flash and fan operation will not be affected by the settings.
This occurs when a group is comprised of indoor units which are in different types of refrigerant systems. (HEAT RECOVERY TYPE / HEAT PUMP TYPE / COOLING ONLY TYPE) (Actually, the command for the fan speed setting is sent to the relevant indoor units, it will not be conducted by those indoor units where the fan speed setting is not permitted by the type of refrigerant system where they exist.)
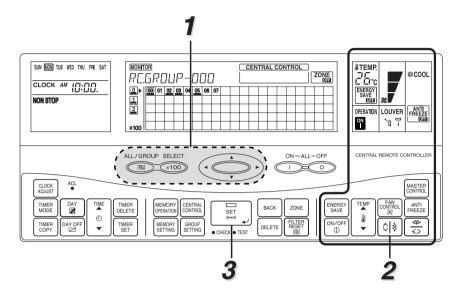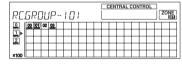
5-6. FLOW DIRECTION SETTING (VERTICAL)

This instructions are applicable to "CEILING SUSPENSION TYPE", "FLOOR CONSOLE / UNDER CEILING DUAL TYPE", "CASSETTE TYPE" and "WALL MOUNTED TYPE".

1 Enter the control mode to select the central control number (the indoor units) whose vertical flow direction needs to be changed.
Refer to "3-3. CONTROL MODE" for information about control modes.
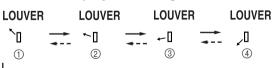
2 Press [ ] to adjust the flaps angle in order to generate a desired vertical airflow.
The setting is applied to the indoor units associated with the selected central control number. Because of the change of the setting, LED [SET] will come on.
Each time the button is pressed, the air direction as shown in the display will change as follows;

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3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

```
RCGROUP-101   ((•)))          CENTRAL CONTROL        ZONE
0                                                    OFF
1
2
×100
```
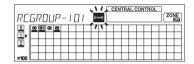
Notes	• At the beginning the vertical airflow direction is set automatically as shown, in accordance with the type of operation selected.
ℹ️	During cooling mode: Horizontal flow ①
	During heating mode: Downward flow ④
	• The air direction can be adjusted within the range shown below.
	• During AUTO mode operation, for the first minute after beginning operation, airflow will be horizontal flow ①; the air direction cannot be adjusted during this period.
	• If the direction setting is set at the same time as operation mode setting, the indoor unit will follow the flow direction setting that has been set.
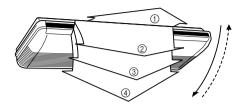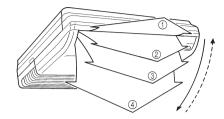
■ **CEILING SUSPENSION TYPE**
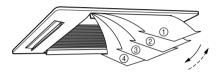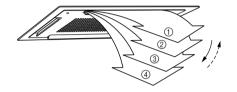
■ **FLOOR CONSOLE/UNDER CEILING DUAL TYPE**
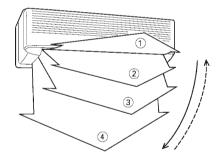
■ **CASSETTE TYPE**

■ **WALL MOUNTED TYPE**
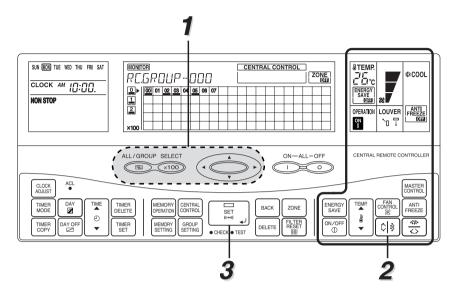
Notes	⚠	• Always use the remote controller's AIR FLOW DIRECTION button to adjust the UP / DOWN air direction louvers. Attempting to move them manually could result in improper operation; in this case, stop operation and restart. The flaps should begin to operate properly again.

• Always use the remote controller's AIR FLOW DIRECTION button to adjust the UP / DOWN air direction louvers. Attempting to move them manually could result in improper operation; in this case, stop operation and restart. The flaps should begin to operate properly again.

• During use of the Cooling mode, do not set the UP / DOWN air direction flap in the ④ position for a long period of time, since water vapor may condense near the outlet port and drops of water may drip from the air conditioner.

• When used in a room with infants, children, elderly or sick persons, the air direction and room temperature should be considered carefully when making setting.
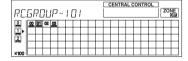
5-7. FLOW DIRECTION SETTING (HORIZONTAL)

This instructions are applicable to "CEILING SUSPENSION TYPE", "FLOOR CONSOLE / UNDER CEILING DUAL TYPE", and "WALL MOUNTED TYPE".

1 Enter the control mode to select the central control number (the indoor units) whose horizontal flow direction needs to be changed.
Refer to "3-3. CONTROL MODE" for information about control modes.
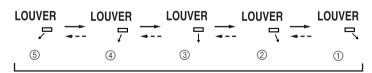
2 Press ⟨louver icon⟩ to adjust the flaps angle in order to generate a desired horizontal airflow.
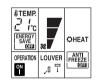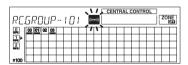The setting is applied to the indoor units associated with the selected central control number. Because of the change of the setting, LED ⟨SET⟩ will come on.
Each time the button is pressed, the air direction as shown in the display will change as follows;

LOUVER	LOUVER	LOUVER	LOUVER	LOUVER
⑤	④	③	②	①

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3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

```
RC.GROUP-101      (((•)))          CENTRAL CONTROL        ZONE
 0                                                        ON/OFF
 1  00 01 02 03
 2
x100
```

■ CEILING SUSPENSION TYPE

① ② ③ ④ ⑤

■ FLOOR CONSOLE/ UNDER CEILING DUAL TYPE

① ② ③ ④ ⑤

■ WALL MOUNTED TYPE

① ② ③ ④ ⑤

45
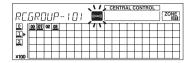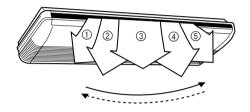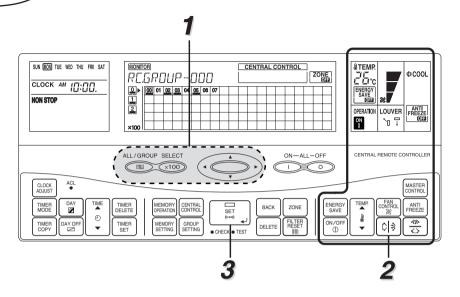
5-8. SWING SETTING

5-8-1. To select vertical airflow swing operation

1 Enter the control mode to select the central control number (the indoor units) whose vertical airflow is desired to swing automatically.
Refer to "3-3. CONTROL MODE" for information about control modes.

2 Press ⟨◊|⟩ for 2 seconds or more and the LOUVER ⟍▯ shown in the display will change to the LOUVER ⟨⟩▯ .
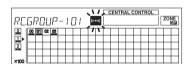
In this mode, the UP / DOWN air direction flaps will swing automatically to direct the airflow both up and down.

3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

1 Enter the control mode to select the central control number (the indoor units) whose vertical airflow swing operation is to be cancelled.
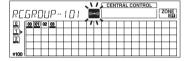
2 Press ⟨swing button⟩ for 2 seconds or more and the LOUVER shown in the display will change to the LOUVER. The flaps will return to the positions from which the swing operation started out.

3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.
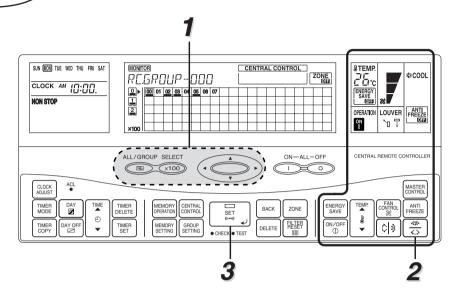
About Vertical Airflow Swing Operation

• The swing range can be adjusted with the remote controller's VERTICAL AIR FLOW DIRECTION SET button.
• The SWING operation may stop temporarily when the air conditioner's fan is not operating, or is operating at very low speeds.
• During use of the Cooling mode, do not set the air UP / DOWN direction flap, in the ④ position (shown in page 45) for a long period of time, since water vapor may condense near the outlet port and drops of water may drip from the air conditioner.

5. OPERATION SETTING METHOD

5-8-3. To select horizontal airflow swing operation

1 Enter the control mode to select the central control number (the indoor units) whose horizontal airflow is desired to swing automatically.
Refer to "3-3. CONTROL MODE" for information about control modes.
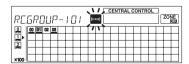
2 Press [⟁] for 2 seconds or more and the LOUVER ▭↓ shown in the display will change to the LOUVER ⟁. In this mode, the right / left air direction flaps will swing automatically to direct the airflow to both the right and the left.

3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

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5-8-4.   To cancel horizontal airflow swing operation

1 Enter the control mode to select the central control number (the indoor units) whose horizontal airflow swing operation needs to be cancelled.
Refer to "3-3. CONTROL MODE" for information about control modes.

2 Press [⟲] for 2 seconds or more and the
LOUVER
凡
shown in the display will change to the
LOUVER
⊟ .
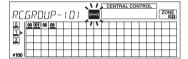
3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.
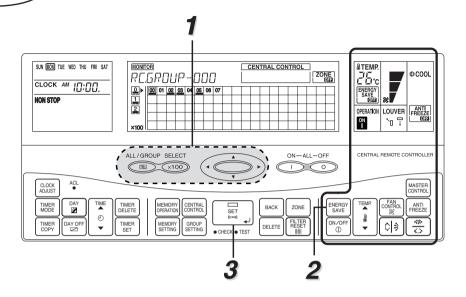
About Horizontal Airflow Swing Operation
• The swing range can be adjusted with the remote controller's HORIZONTAL AIR FLOW DIREC-TION SET button.
• The SWING operation may stop temporarily when the air conditioner's fan is not operating, or is operating at very low speeds.

**5. OPERATION
SETTING METHOD**

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5-9. ENERGY SAVE OPERATION SETTING

5-9-1. To select the energy save operation

1 Enter the control mode to select the central control number (the indoor units) whose energy save operation is to be started.
Refer to "3-3. CONTROL MODE" for information about control modes.

2 Press ENERGY SAVE. ENERGY SAVE ON will light up.

3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.
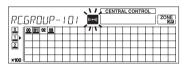
5-9-2. To cancel the energy save operation

1 Enter the control mode to select the central control number (the indoor units) whose energy save operation is to be cancelled.

2 Press ENERGY SAVE again. ENERGY SAVE OFF will light up.
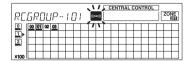
3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

Note

ℹ️ The energy save mode can only be applied to the operating modes of "COOL", "DRY" and "HEAT".
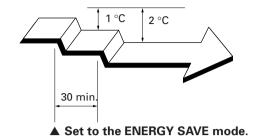
About the ENERGY SAVE
- The energy conservation mode (ENERGY SAVE) raises the set temperature slightly in the cooling mode and lowers the set temperature in the heating mode, using a computer program to economically control the operation of the unit.
- If you press the ENERGY SAVE button while the air conditioner is on, it will change to the conservation mode. If you press the ENERGY SAVE button while the unit is in the time mode (ON timer or WEEKLY timer), the unit will go into the conservation mode when the unit starts with the timer.
- If you turn off the air conditioner while in the conservation mode, the mode will be shut off.
- The temperature set on the remote controller will not change if the energy save mode is used.

■ When Heating
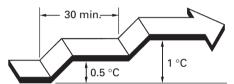
After the ENERGY SAVE button is pressed, the set temperature will be lowered about 1 °C every 30 minutes. When it has lowered a total of 2 °C, then it will hold the temperature.

▲ Set to the ENERGY SAVE mode.

■ When Cooling
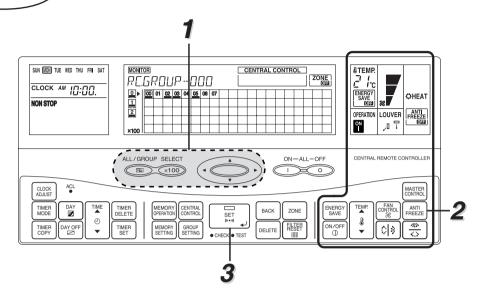
After the ENERGY SAVE button is pressed, the set temperature will be raised about 0.5 °C every 30 minutes. When it has lowered a total of 1 °C, then it will hold the temperature.

▼ Set to the ENERGY SAVE mode.

5-10. ANTI FREEZE OPERATION

5-10-1. To select the anti freeze operation

1

Enter the control mode to select the central control number (the indoor units) whose anti-freeze operation is to be started.
Refer to "3-3. CONTROL MODE" for information about control modes.

2

Press ANTI FREEZE . ANTI FREEZE ON will come on.

3

It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

**5. OPERATION
SETTING METHOD**
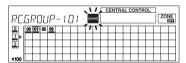
5-10-2. To cancel the anti freeze operation
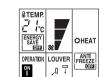
1 Enter the control mode to select the central control number (the indoor units) whose the anti-freeze operation is to be cancelled.
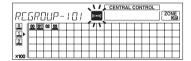
2 Press [ANTI FREEZE] once again. [ANTI FREEZE ON] will switch to [ANTI FREEZE OFF].

3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

About the ANTI FREEZE

The ANTI FREEZE operation is only enabled when the indoor unit is in a standby mode waiting for

an ON signal from timer or is stopped by [ON/OFF ①]. Whenever the room temperature becomes low, it

automatically sets the fan to low speed and starts the heating operation. This operation stops when the temperature in the room rises above a preset level.

5. OPERATION SETTING METHOD

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6. TIMER SETTING METHOD (TIMER CONTROL AREA)

This section explains the methods on timer setting using the buttons in timer control area of the central remote controller.

6. TIMER SETTING METHOD

The timers built in the central remote controller have four different operating modes. They are shown as the following and can be selected only one from the four modes.

• OFF TIMER .... Stop the indoor units at the set time.
• ON TIMER .... Start the indoor units at the set time.
• WEEKLY TIMER .... Weekly timer setting function. Up to two on / off settings for each day of the week. (Refer to 6-3. WEEKLY TIMER)

<table>
<tr><td>**Notes**
ⓘ</td><td>Timer settings in multiple locations
• If the on timer setting is also performed by the standard remote controller, the standard remote controller timer will have priority.
(If there is an on command from the central remote controller to the indoor units, the indoor units will not start to operate.)
• If timer settings are performed simultaneously at central remote controllers at multiple locations (central remote controller 1, central remote controller 2,...), the indoor units will follow the command of the central remote controller that the last control signal will send out.
Stop timer operation
• An electricity failure will cancel all set time. The setting will become non stop setting.</td></tr>
</table>
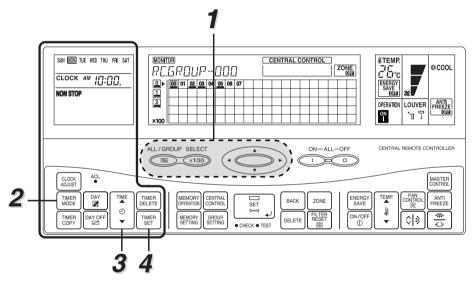
6-1. OFF TIMER

1 Enter the control mode to select the central control number (the indoor units) for the setting.
Refer to "3-3. CONTROL MODE" for information about control modes.

2 Press [TIMER MODE] until the segments of the $^{OFF}_{TIMER}$ appear on the display. Each time the button is pressed, the timer function changes in the following order.

SUN	MON	TUE	WED	THU	FRI	SAT

CLOCK   12:00ₐ

     0:00 **off**

OFF
TIMER

→ **NON STOP** → $^{OFF}_{TIMER}$ → $^{ON}_{TIMER}$ → **WEEKLY** →

3 Press [TIME ⊙ ▲▼] to adjust the off time.

▲: Press to advance time.
▼: Press to reverse time.

SUN	MON	TUE	WED	THU	FRI	SAT

CLOCK   12:00ₐ

   -18:10 **off**

OFF
TIMER

4 Once the timer time has been changed, press [TIMER SET]

to confirm the setting.

SUN	MON	TUE	WED	THU	FRI	SAT

CLOCK   12:00ₐ

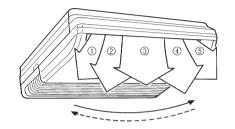   18:10 **off**

OFF
TIMER

5 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.
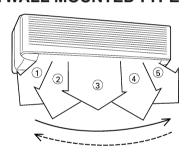
Notes ℹ
- To change the set time during operation.
  Perform steps 1 → 3
- To change the timer mode during operation.
  Perform steps 1 → 2
- To cancel the timer operation.

  Press the [TIMER MODE] and set the display to **NON STOP** in step 2 (the indoor units will switch to non stop operation).
- To stop operation during use of timer mode.
  Following the procedures of "5-2. OPERATION / STOP" to stop the operation of the indoor units.

6. TIMER SETTING METHOD

6-2. ON TIMER

1 Enter the control mode to select the central control number (the indoor units) for the setting. Refer to "3-3. CONTROL MODE" for information about control modes.

2 Press [TIMER MODE] until the segments of the **ON TIMER** appear on the display. Each time the button is pressed the timer function changes in the following order.

NON STOP → OFF TIMER → ON TIMER → WEEKLY

3 Press [TIME ⊕] to adjust the ON TIMER time.

▲: Press to advance time.
▼: Press to reverse time.

4 Once the timer time has been changed, press [TIMER SET] to confirm the setting.

5 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.


Notes
- To change the set time during operation.
  Perform steps 1 → 3
- To change the timer mode during operation.
  Perform steps 1 → 2
- To cancel the timer operation.
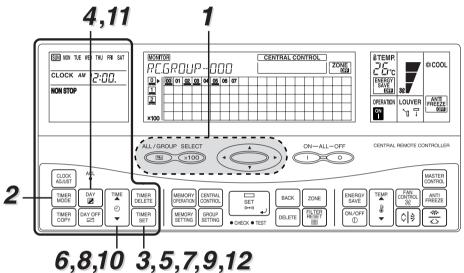
  Press the [TIMER MODE] and set the display to **NON STOP** in step 2 (the indoor units will switch to non stop operation).
- To stop operation during use of timer mode.
  Following the procedures of "5-2. OPERATION / STOP" to stop the operation of the indoor units.

6-3. WEEKLY TIMER

Weekly timer features

- Set different operating times for each day of the week.
- Set one or two operating spans (one or two pair(s) of ON / OFF times) per day.
- Set time to a resolution of 10 minutes.
- OFF time can be carried over to the subsequent day.
- Use the "DAY OFF" setting to cancel operation for any day of the coming week (one time cancellation).
- Copy and paste can be used for time setting for each day.

6-3-1. Setting up the weekly timer operation

1 Enter the control mode to select the central control number (the indoor units) to be set.
Refer to "3-3. CONTROL MODE" for information about control modes.

2 Press [TIMER MODE] until the segments of the TIMER, WEEKLY appear on the display.
The display now shows the current day (by DAY of the week), the first ON and OFF times for the day (the "WEEKLY1" times).
The top time value gives the on time and the bottom one gives the off time.
If either time has not been set, the corresponding time "– – : – –" will show on the display.

3 Press [TIMER SET] **for 2 seconds.**
Enters WEEKLY setting mode.

---

4 Press [DAY] **to select the day that you want to set up.**

→ SUN → MON → TUE → WED → THU → FRI → SAT →

Press [TIMER DELETE] **to delete the time set for the current day.**

---

5 Press [TIMER SET].
The "WEEKLY1" ON time starts flashing.

---

6 Press [TIME ⊙] **to adjust the "WEEKLY1" on time.**

▲: **Press to advance time.**
▼: **Press to reverse time.**
• **Press once to move the time 10 minutes.**

• **Press** [TIMER DELETE] **and the currently set time will be deleted.**

---

7 Press [TIMER SET] **to store the "WEEKLY1" on time.**
As this is done, the on time segments stop flashing and the "WEEKLY1" OFF time starts flashing.

---

8 Press [TIME ⊙] **to adjust the "WEEKLY1" off time.**

The earliest OFF time you can set is 10 minutes after the ON time. The latest OFF time is 23:50 on the subsequent day.

6. TIMER SETTING METHOD

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9 Press [TIMER SET] to store the "WEEKLY1" off time.

The setting of the "WEEKLY1" timer is completed and it automatically switches to the "WEEKLY2" setting. The "WEEKLY2" on time starts flashing.

```
SUN [MON] TUE WED THU FRI SAT
CLOCK    12:00:
         --:-- ON
TIMER      ▼
 2       --:-- OFF
WEEKLY
```

---

10 Repeat the operations described in steps 6 to 9 to set the "WEEKLY2" ON and OFF time.
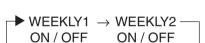
After setting the "WEEKLY2" OFF time, press the

[TIMER SET] to store the "WEEKLY2" OFF time. At the moment, the setting of "WEEKLY2" is also completed. You will be brought back to the step 4. You
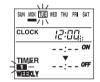
can review your setting by pressing [TIME ⊕]. Each press

moves you to the next setting, as follow.

```
SUN [MON] TUE WED THU FRI SAT
CLOCK    12:00:
         18:20 ON
TIMER      ▼
 2       2 1:30 OFF
WEEKLY
```

```
SUN [MON] TUE WED THU FRI SAT
CLOCK    12:00:
         8: 10 ON
TIMER      ▼
 1       18:00 OFF
WEEKLY
```

```
┌─► WEEKLY1  →  WEEKLY2 ──┐
│   ON / OFF     ON / OFF  │
└──────────────────────────┘
```

---

11 Press [DAY] to select another day for set up. The procedures are to repeat steps 5 to 10 mentioned above.

```
SUN MON [TUE] WED THU FRI SAT
CLOCK    12:00:
         --:-- ON
TIMER      ▼
 1       --:-- OFF
WEEKLY
```

---
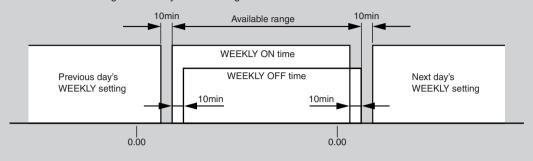
12 When you have finished setting all of the time, hold down the [TIMER SET] for 2 seconds.

```
SUN MON TUE WED THU FRI [SAT]
CLOCK    12:00:
         9:00 ON
TIMER      ▼
 1       15:30 OFF
WEEKLY
```

- A flashing time value indicates that the system is in time-setting mode.
- You do not need to set values for both WEEKLY1 and WEEKLY2. If you wish, you can set values only for WEEKLY1 or only for WEEKLY2.
- The allowable range for the day's time setting is shown below.

```
                    10min        Available range           10min

                    ┌──────────────────────────────────────┐
                    │          WEEKLY ON time               │
Previous day's      │   ┌────────────────────────────────┐  │   Next day's
WEEKLY setting      │   │     WEEKLY OFF time             │  │   WEEKLY setting
                    │   │  10min              10min       │  │
                    └──────────────────────────────────────┘

                         0.00                        0.00
```

- If the set OFF time goes into the subsequent day, the [**NEXT DAY**] caption appears on the display.

6. TIMER SETTING METHOD

63
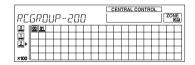
6-3-2. Starting weekly timer operation

1 Enter the control mode to the central control number (the indoor units) to perform the operation. Refer to "3-3. CONTROL MODE" for information about control modes.

```
RC.GROUP--200          CENTRAL CONTROL      ZONE
 0    00 01
 1
 2
×100
```

2 Press [TIMER MODE] until the segments of WEEKLY appear on the display.
Weekly timer operation starts.

```
SUN MON TUE WED THU FRI SAT
CLOCK    12:00.
          8:10 ON
TIMER        ▼
 1       18:00 OFF
WEEKLY
```

3 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

Notes To Stop Weekly Timer Operation
To stop weekly timer while leaving the air conditioner running:

Press [TIMER MODE] to select NONSTOP.

To stop weekly timer operation as well as the air conditioner:

Press [ON/OFF ⏻] (Refer to "5-2. OPERATION / STOP").

Reviewing Time Settings

1. Press [TIMER MODE] so that "WEEKLY" appears on the display.

2. Press [TIMER SET] to select setting mode.

3. Press [DAY] to select the day that you want to check.

4. Press [TIME ⏱] to switch between "WEEKLY1" or "WEEKLY2" time displays.

The central remote controller generates each driving pulse signal (ON or OFF) and transmits it to the selected indoor units at (not between) each set time. The operation conditions of the selected indoor units are controlled by these driving pulse signal.

1 Carry out steps 1 to 3 of the "Setting up the weekly timer operation" procedure.

2 Press $\boxed{\substack{\text{DAY}}}$ to select the day that you want to cancel the timer setting.

(Here, press $\boxed{\substack{\text{TIMER}\\\text{DELETE}}}$ will delete all set time (WEEKLY1, 2) of the current day.)

3 Press $\boxed{\substack{\text{TIMER}\\\text{SET}}}$ to enter the setting mode.
The "WEEKLY1" ON time starts flashing.

4 Press $\boxed{\substack{\text{TIMER}\\\text{DELETE}}}$.
Then, "WEEKLY1" setting will be deleted and the time display becomes blank "– – : – –".

Press $\boxed{\substack{\text{TIMER}\\\text{SET}}}$ to confirm the setting.
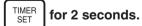
5 Press $\boxed{\substack{\text{DAY}}}$ to return to step 2.
If you wish to delete other time settings, repeat 2 to 4.

6 When you have finished setting, hold down the $\boxed{\substack{\text{TIMER}\\\text{SET}}}$ for 2 seconds.

7 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

6. TIMER SETTING METHOD

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6-3-4.　Modifying the selected time setting

1　Carry out steps 1 to 3 of the "Setting up the weekly timer operation" procedure.

2　Press ⬛DAY to select the day that you want to change the timer setting.

3　Press ⬛TIMER SET to enter the setting mode.
The "WEEKLY1" ON time starts flashing.

4　Press ⬛TIMER SET several times to select the time you want to change.
The selected setting flashing on the display. Each press moves you to the next setting for the selected day, as follows.

→ WEEKLY1 → WEEKLY1 → WEEKLY2 → WEEKLY2 → Step 2
　　ON　　　　OFF　　　　ON　　　　OFF

5　Press ⬛TIME ☉ to change time setting.

Press ⬛TIMER SET to confirm the setting.

6　Press ⬛DAY.
To return to step 2. If you wish to change other time settings, repeat 2 to 4.
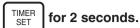
7　It is necessary to transmit the newly set information to the relevant indoor units.
Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

6. TIMER SETTING METHOD

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8 When you have finished setting , hold down the

[TIMER SET] for 2 seconds.

SUN MON TUE WED THU FRI **SAT**

CLOCK *12:00*

NON STOP *9:00* **ON**
▼
TIMER **1** WEEKLY *15:30* **OFF**

Notes

ℹ️ In the following cases, cancel the set time prior to making the required amendments.
• If you want to change the ON time to a time that is later than the currently set OFF time.

ON   OFF

WEEKLY 1

Time

ON   OFF

Change

WEEKLY 1

Time

• If the change would cause a temporary overlap between the first and second ON / OFF time.

ON   OFF   ON   OFF

WEEKLY 1   WEEKLY 2

Time

ON   Temporary overlap

Change   OFF   ON   OFF

WEEKLY 1   WEEKLY 2

Time

6-3-5. Copying the selected time setting

1 Carry out steps 1 to 3 of the "Setting up the weekly timer operation" procedure.

SUN MON TUE WED THU FRI SAT

CLOCK *12:00*

--:-- **ON**
▼
TIMER **1** WEEKLY --:-- **OFF**

---

2 Press [DAY] to select the day that you want to copy

the timer setting.

SUN MON TUE WED THU FRI **SAT**

CLOCK *12:00*

9:00 **ON**
▼
TIMER **1** WEEKLY *15:30* **OFF**

3 Press [TIMER COPY] .

The time setting of the selected day is copied, and ▬▬ starts flashing. (The copied time settings are saved to the memory.)

SUN MON TUE WED THU FRI **SAT**
CLOCK _12:00_
_9:00_ **ON**
▼
TIMER ▮ ▬
WEEKLY _15:30_ **OFF**

---

4 Press [DAY] to select the day that you want to paste the copied time settings.

SUN MON TUE WED THU FRI SAT
CLOCK _12:00_
_--:--_ **ON**
▼
TIMER ▮ ▬
WEEKLY _--:--_ **OFF**

---

5 Press [TIMER COPY] again.

The copied time settings are pasted down and the ▬▬ comes on in the day selected in 4. If you want to copy the settings current, repeat the operations shown in 4 and 5.
Repeating the operations shown in steps 3 to 5, you can copy the time setting you want and paste it to the day you want to set.

SUN MON TUE WED THU FRI SAT
CLOCK _12:00_
_9:00_ **ON**
▼
TIMER ▮ ▬
WEEKLY _15:30_ **OFF**

Notes ℹ
- The WEEKLY1, WEEKLY2 timer settings that have been set for other days can be pasted to another day by using the copy / paste function.
- In the one week setting for the weekly timer, if even a single day setting overlaps into the next day, this function cannot be used.

6-3-6. Using the day OFF setting

- Use the DAY OFF setting to switch off timed operation for a selected day in the coming week.
- This is a temporary, one time setting. The DAY OFF setting is automatically cleared as soon as the specified day passes.

1 Carry out steps 1 to 3 of the "Setting up the weekly timer operation" procedure.

SUN MON TUE WED THU FRI SAT
CLOCK _12:00_
_9:00_ **ON**
▼
TIMER ▮ ▬
WEEKLY _15:30_ **OFF**

---

2 Press [DAY] to select the day that you want to set as the DAY OFF.

```
       SUN MON TUE WED [THU] FRI SAT
       ────────────────────────
  CLOCK      12:00
                 8:10 ON
                  ▼
  TIMER     18:00 OFF
  ■1
  WEEKLY
```

3 Press [DAY OFF].

The DAY OFF setting is registered, and ⊿ appears on the display.
• To cancel the DAY OFF setting: You can cancel the

setting by pressing [DAY OFF] again.

```
       SUN MON TUE WED [THU] FRI SAT
       ────────────────────────
  CLOCK      12:00
                 8:10 ON
                  ▼
  TIMER     18:00 OFF
  ■1
  WEEKLY
```
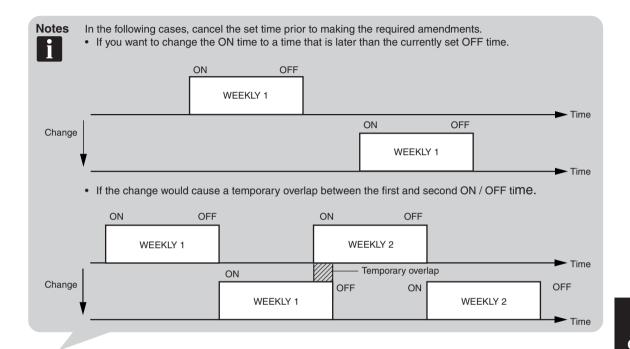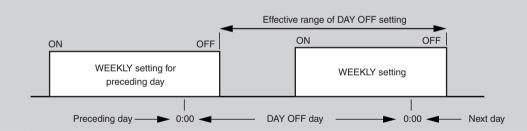
4 It is necessary to transmit the newly set information to the relevant indoor units. Refer to steps 4, 5 and notes of "3-3. CONTROL MODE" for details.

Notes
ℹ️
• The DAY OFF setting is only available for days for which weekly time settings already exist.
• You can make this setting for any of the next seven days (counting from current day).
• The DAY OFF setting is effective over the range illustrated below. The weekly setting for which an ON time has been set is eligible for the day in which the DAY OFF has been set.

Effective range of DAY OFF setting

ON	OFF	ON	OFF
WEEKLY setting for preceding day		WEEKLY setting	

Preceding day ──▶ 0:00 ◀── DAY OFF day ──▶ 0:00 ◀── Next day
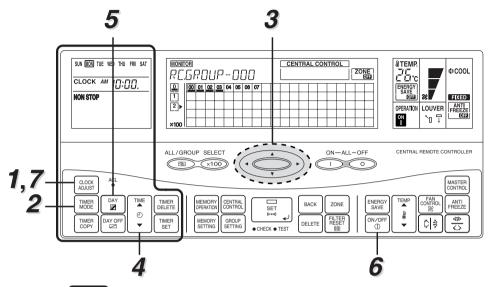
6-3-7. **Precautions during setting**

Setting is not possible in the following cases, so amend the time.
• The OFF times cannot be set earlier than the ON time.
• The WEEKLY2 setting cannot be set earlier than the WEEKLY1 settings.
• The WEEKLY1 and WEEKLY2 time spans cannot overlap.

6-4. CLOCK SETTING

The clock setting can be used to set the current time or set various operations of the central remote controller.

1 Press [CLOCK ADJUST] to start the clock setting.

2 Press [TIMER MODE] to select 24-hour or 12-hour display.
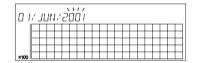
The digits below the clock mean Clock Display settings.

00 : 24 Hour Clock Display $0:00$ ·······→ $11:59$ → $12:00$ ·······→ $23:59$ → $0:00$ ······

01 : 12 Hour Clock Display 1   AM $12:00$ ·······→ AM $11:59$ → PM $12:00$ ·······→ PM $11:59$ → AM $12:00$ ······

02 : 12 Hour Clock Display 2   AM $0:00$ ·······→ AM $11:59$ → PM $0:00$ ·······→ PM $11:59$ → AM $0:00$ ······

3 Year / Month / Day setting is performed. Use ◁◯▷ to select the items to be changed and perform the setting with ◯.

4 Press [TIME ⊕] and set the current time.

6. TIMER SETTING METHOD

5 Press [DAY] and set the current day.

SUN MON TUE WED THU FRI SAT

CLOCK *PM* 8:00.

02

6 Press [ON/OFF ①] and set the beep enable / disable setting.

ON
1

7 Finally, press [CLOCK ADJUST] to end the clock setting.

MONITOR
RCGROUP-000

CENTRAL CONTROL
ZONE

0
1
2
×100

00 01 02 03 04 05 06 07

Note ⚠ If there is an indoor unit that is operating based on the timer of the central remote controller. The operations of the time setting mention above will be limited to steps 2 and 6.

6. TIMER SETTING METHOD

6. TIMER SETTING METHOD

7. ERROR DISPLAY

This section explains Error display of the central re-
mote controller.

If the **ERROR** and the number for the central control number $\boxed{00}$ flash during operation, there is an error at the relevant remote control group. Start the error monitor, identify the error and remove the cause.

7-1. ERROR MONITOR

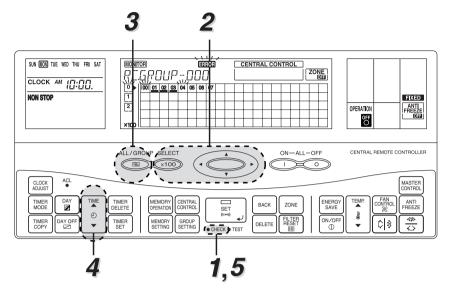When the error monitor is started, the following can be performed.
• The error code for each remote control group (indoor units) is displayed.
• Up to two of the past error codes are displayed for each of the indoor units, the outdoor units and the central remote controller group.

1 Press ● CHECK **to start the error monitor.**
The LCD changes to the error monitor screen.
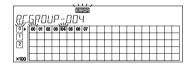
2 Press $\overset{\text{SELECT}}{\underset{\times 100}{\bigcirc}}$ $\overset{\blacktriangle}{\underset{\blacktriangledown}{\bigcirc}}$ **to select the central control number for which its details of the error contents are to be confirmed. (The number of the $\boxed{00}$ causing the error is flashing.)**
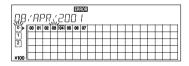
3 Press $\overset{\text{ALL / GROUP}}{\boxed{\square}}$ **to select the display mode for the error code.**
Each press of $\overset{\text{ALL / GROUP}}{\boxed{\square}}$ will switch the display as shown below.

→ Current error code → First previous error code → Second previous error code ⌐

7. ERROR DISPLAY
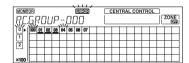
4 **Press** [TIME ⊕] **to select the indoor units, outdoor units, or central remote controller in the remote control group selected in 3.**

Indoor unit error display

Refrigerant system address ———
Error code ———

SUN MON TUE WED THU FRI SAT

ADDRESS *00:01* ——— Indoor unit address
09:E
--:E

[TIME ⊕]

Outdoor unit error display

Refrigerant system address ———
Error code ———

SUN MON TUE WED THU FRI SAT

ADDRESS *00:-0* ——— Outdoor unit address*
21:E
--:E

*Outdoor unit addresses are displayed as follows.
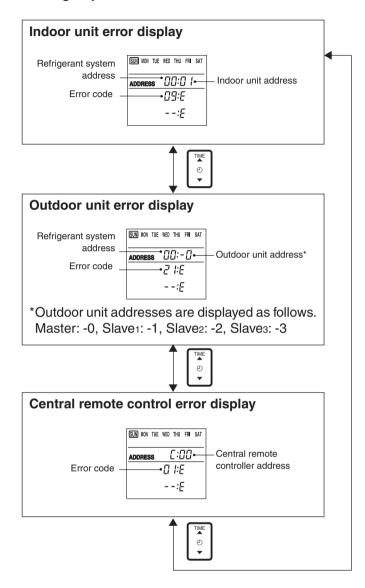Master: -0, Slave1: -1, Slave2: -2, Slave3: -3

[TIME ⊕]

Central remote control error display

SUN MON TUE WED THU FRI SAT

ADDRESS *C:00* ——— Central remote
01:E   controller address
--:E

Error code ———

[TIME ⊕]

5 **Press ● CHECK again to end the error monitor.**

MONITOR   ERROR   CENTRAL CONTROL
RCGROUP-000   ZONE
0 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07
1
2
×100

75
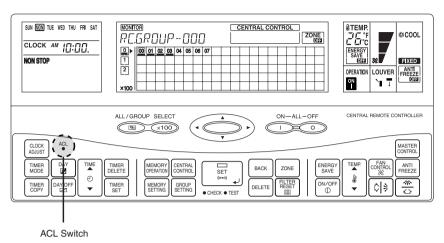
7-2. ERROR CODES

The following explains the meaning of each of the error codes.

Error Code	If indoor unit error	If outdoor unit error		If central remote controller error
		S series	V series	
00	No error	No error	No error	No error
01	–	–	–	–
02	Model information abnormal	Model information abnormal	–	Circuit board error (Control panel)
03	Microcomputer error	Circuit board error 1	–	Circuit board error (Transmission adaptor)
04	Power supply frequency abnormal	Power supply frequency error	–	Memory error
05	–	Reverse phase blocker error	Reverse phase blocker error	Node setting error
06	EEPROM access error	EEPROM access error	Outdoor PCB unit error	Parallel communication error
07	EEPROM deletion error	EEPROM deletion error	–	–
08	–	–	–	–
09	Room temperature thermistor error	Compressor 1 error	Compressor error	–
0A	Heat exchanger thermistor (middle) error	Compressor 2 error	–	–
0B	Heat exchanger thermistor (inlet) error	Compressor 3 error	–	–
0C	Heat exchanger thermistor (outlet) error	–	–	–
0D	Blower temperature thermistor error	Discharge temperature thermistor 1 error	–	–
0E	–	Discharge temperature thermistor 2 error	Outdoor unit thermistor error	–
0F	–	Discharge temperature thermistor 3 error	–	–
10	–	Outdoor temperature thermistor error	–	–
11	Drain abnormal	Heat exchanger inlet thermistor 1 error	–	–
12	Room temperature abnormal	Heat exchanger inlet thermistor 2 error	–	–
13	Fan error	Heat exchanger inlet thermistor 3 error	–	–
14	–	Heat exchanger outlet thermistor 1 error	–	–
15	–	Heat exchanger outlet thermistor 2 error	–	–
16	–	Heat exchanger outlet thermistor 3 error	–	–
17	–	Suction temperature thermistor error	–	–
18	Standard wired remote control communication error	–	–	–
19	–	Discharge pressure sensor error	Sensor error (except thermistor)	–
1A	–	Liquid pressure sensor error	–	–
1B	–	Suction pressure sensor error	–	Initial setting error
1C	–	Oil sensor error	–	Connection error
1D	–	–	–	Initial setting error
1E	–	–	–	Manual store 2 error
1F	Transmission error	Transmission error	Transmission error	Transmission error
20	–	–	–	–
21	–	Discharge temperature 1 error	–	Software error (Output)
22	–	Discharge temperature 2 error	–	Software error (Input)
23	–	Discharge temperature 3 error	–	–
24	–	High-pressure error	Operation error (Pressure/temperature)	–
25	–	Low-pressure error	–	–
26	–	–	–	–
27	–	Oil recovery error	–	–
28	–	Pump down error	Pump down error	–

7-3. ALL CLEAR SWITCH

Press ⦿ACL to restart the central remote controller.

ACL Switch

7. ERROR DISPLAY

8. SPECIFICATIONS

This section explains the specifications and dimensions of the central remote controller.

8. SPECIFICATIONS
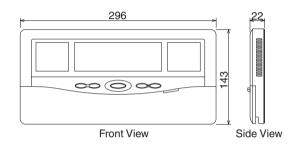
8-1. SPECIFICATIONS
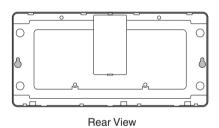
	Operation panel	**Communication adapter**
Supply power	50 — 60 Hz 220 — 240 V	
Power consumption (W)	4.8 W	
Size (H × W × D mm)	143 × 296 × 22	(107) × 288 × 100
Weight (g)	550	1300

8-2. DIMENSIONS

296

22

143

Front View

Side View

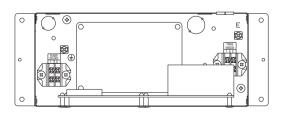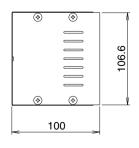**OPERATION PANEL**

Rear View

243

TRANSMISSION ADAPTOR

E

106.6

100
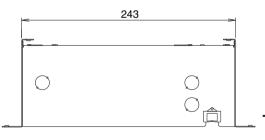
FUJITSU GENERAL LIMITED

1116, Suenaga, Takatsu-ku, Kawasaki 213-8502, Japan