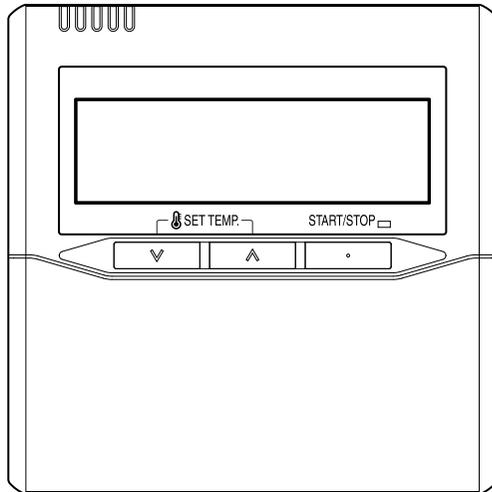


OPERATING MANUAL



KEEP THIS MANUAL FOR FUTURE REFERENCE

CONTENTS

SAFETY PRECAUTIONS	1	TEMPERATURE SET BACK TIMER	9
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SAFETY PRECAUTIONS

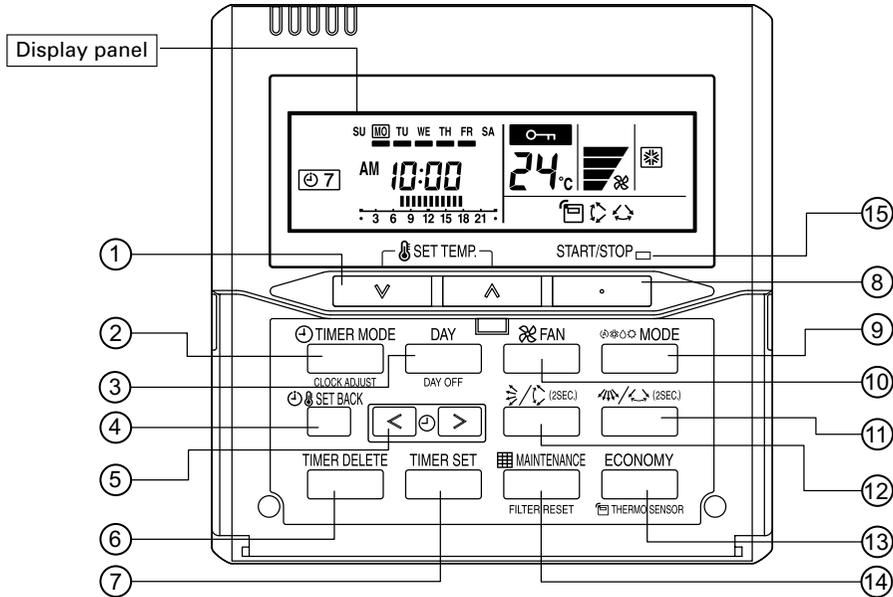
- Before using the appliance, read these "SAFETY PRECAUTIONS" thoroughly and operate in the correct way.
- The instructions in this section all relate to safety; be sure to maintain safe operating conditions.
- "WARNING" and "CAUTION" have the following meanings in these instructions:

 WARNING	This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.
<ul style="list-style-type: none">● 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, consult authorized service personnel for disconnection and installation of the controller.● If a problem (burning smell, etc.) occurs, turn off the electrical breaker immediately to stop operation, and then consult authorized service personnel.	

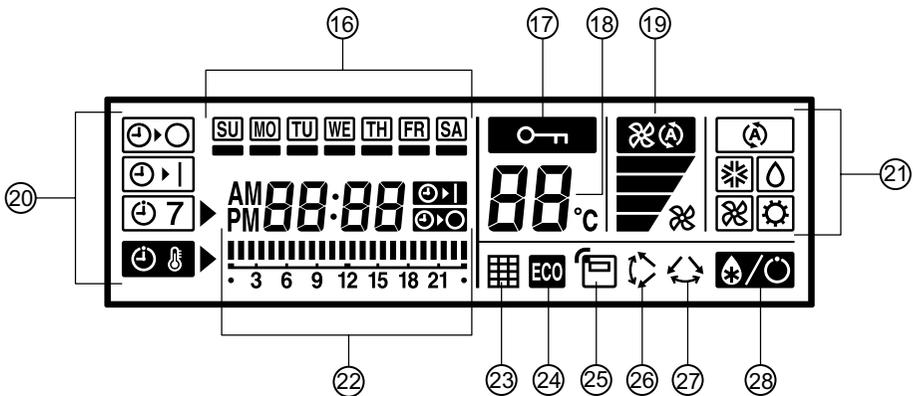
 CAUTION	This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user or damage to property.
<ul style="list-style-type: none">● Do not expose the controller directly to water.● Do not operate the controller with wet hands.● Do not touch the switches with sharp objects.● Always turn off the electrical breaker whenever cleaning the air conditioner or changing the air filter.● Check the condition of the installation stand for damage.● Ensure that any electronic equipment is at least 1 m away from the controller.● Avoid installing the controller near a fireplace or other heating apparatus.● When installing the controller, take precautions to prevent access by infants.● Do not use inflammable gases near the controller.● This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.	

NAME OF PARTS

• With cover open



• Display panel



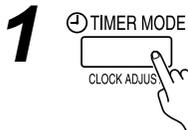
- | | |
|---|---|
| ① “SET TEMP. ↓”, “SET TEMP. ↑”
(Set Temperature Button) | ⑭ “MAINTENANCE / FILTER RESET”
(Maintenance/Filter Reset Button) |
| ② “TIMER MODE / CLOCK ADJUST”
(Timer Mode/Clock Adjust Button) | ⑮ Operation Lamp |
| ③ “DAY / DAY OFF” (Day/Day OFF Button) | ⑯ Day Display |
| ④ “SET BACK” (Set Back Button) | ⑰ Operation Lock Display |
| ⑤ “<”, “>” (Set Time Button) | ⑱ Temperature Display |
| ⑥ “TIMER DELETE” (Timer Delete Button) | ⑲ Fan Speed Display |
| ⑦ “TIMER SET” (Timer Set Button) | ⑳ Timer Mode Display |
| ⑧ “START / STOP” (Start/Stop Button) | ㉑ Operation Mode Display |
| ⑨ “MODE” (Mode Button) | ㉒ Timer and Clock Display |
| ⑩ “FAN” (Fan Control Button) | ㉓ Filter Display |
| ⑪ “Horizontal airflow direction and swing Button) | ㉔ Economy Display |
| ⑫ “Vertical airflow direction and swing Button) | ㉕ Thermo Sensor Display |
| ⑬ “ECONOMY / THERMO SENSOR”
(Economy/Thermo Sensor Button) | ㉖ Vertical Swing Display |
| | ㉗ Horizontal Swing Display |
| | ㉘ Defrost Display |

Depending on the indoor unit model, some buttons on this remote controller cannot be used and some functions are restricted.

Refer to the operation manual on the indoor unit.

PREPARATORY OPERATION

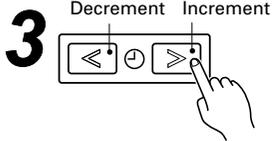
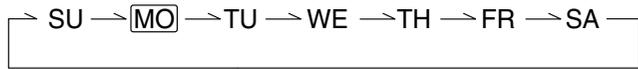
Set the current day and time



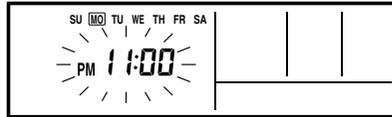
Press the “ TIMER MODE / CLOCK ADJUST” button for 2 seconds or more. The time display on the remote controller will flash.



Press the “DAY / DAY OFF” button and select the current day.
A  appears around the selected day.



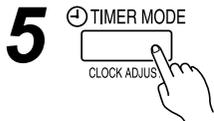
Press the “< ” button or “ >” button to set the current time. Press repeatedly to adjust the current time in 1-minute increments. Press and hold to adjust the current time in 10-minute increments.



ex. Monday PM11:00



Press the “ SET BACK” button to switch between the 12- and 24-hour time displays.



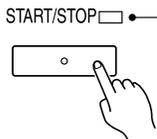
Press the “ TIMER MODE / CLOCK ADJUST” button again to end.

OPERATION

Instructions relating to heating are applicable only to "HEAT & COOL MODEL" (Reverse Cycle).

Preset values are displayed when the "MODE" button, the "SET TEMP. ↓" button or "SET TEMP. ↑" button, the "FAN" button is pressed while stopping.

To start/stop operation



Press the "START / STOP" button.

Operation lamp

Air conditioner ON: Lit brightly
Air conditioner OFF: Not lit

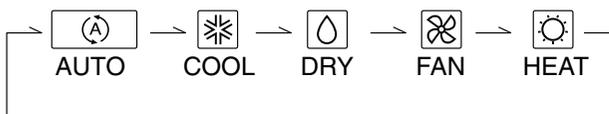
Blinking of START/STOP LED means occurrence of an error. Please refer to "ERROR CODE DISPLAY" in the manual.

To set the operation mode

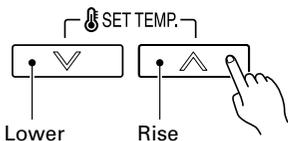
● Operation mode setting



Press the "MODE" button to set the operation mode.
If DRY is selected, the fan speed will be set to AUTO.



● Room temperature setting

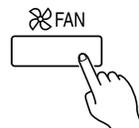


Press the "SET TEMP. ↓" button or "SET TEMP. ↑" button to set the room temperature.

Temperature setting range

AUTO	18 to 30°C
COOL/DRY	18 to 30°C
HEAT	16 to 30°C

● Fan speed setting

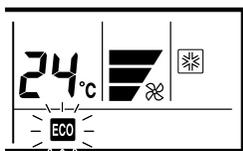


Press the "FAN" button to select the fan speed.



ECONOMY OPERATION

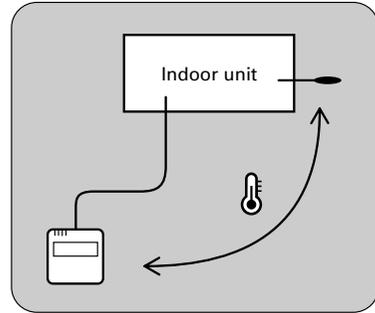
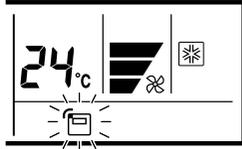
● Economy setting



Press the "ECONOMY / THERMO SENSOR" button to start or stop ECONOMY OPERATION.
For details on the function, refer to page 11.

OPERATION

Room temperature sensor selection



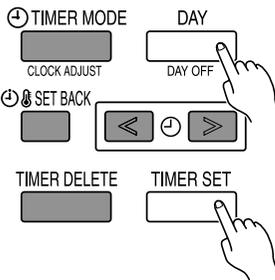
Press the “ECONOMY / THERMO SENSOR” button for more than 2 seconds to select whether the room temperature is detected at the indoor unit (remote sensor) or the remote controller.

When the THERMO SENSOR display appears, the room temperature is detected at the remote controller.

NOTES

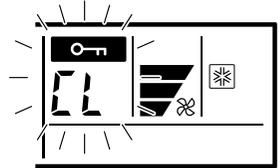
- This function is locked at the factory.
- If this function is locked, the location where the room temperature is detected cannot be changed and the  mark flashes when the ECONOMY button is pushed for 2 seconds or more. In order to detect the room temperature correctly, consult authorized service personnel when using this function.

Child lock function



Press the DAY (DAY OFF) button and TIMER SET button simultaneously for 2 seconds or more to activate the child lock function and lock all buttons on the remote controller. Press the buttons again for 2 seconds or more to deactivate the child lock function.

When the child lock function is activated, the  mark appears. If any button is pressed during the child lock, the **CL** display and  flash.



TIMER FUNCTIONS



OFF timer (See page 6.)

Use this timer function to stop air conditioner operation. The timer operates and air conditioner operation stops after the set time has passed. The timer can be set up to 24 hours in advance.



ON timer (See page 6.)

Use this timer function to start air conditioner operation. The timer operates and air condition operation starts after the set time has passed. The timer can be set up to 24 hours in advance.



WEEKLY timer (See page 7.)

Use this timer function to set operating times for each day of the week.

Use the DAY OFF setting to switch off timed operation for a selected day in the coming week.

Because all days can be set together, the weekly timer can be used to repeat the timer settings for all of the days.



Temperature SET BACK timer (See page 9.)

Use this timer function to change the set temperature in the operation times set for each day of the week.

This can be used together with other timer settings.

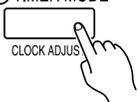
ON/OFF TIMER

To set the ON/OFF timer

1

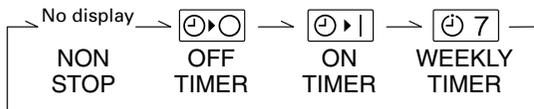
TIMER MODE

CLOCK ADJUST



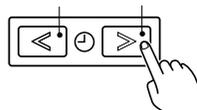
Press the "⌚ TIMER MODE / CLOCK ADJUST" button to select the ON timer, OFF timer or weekly timer.

It is switched every time as shown in the below diagram when the button is pressed.



2

Decrement Increment



From 1 to 24 hours

ex. OFF timer set for 6 hours

Press the "< ⌚" button or "⌚ >" button to set the time. The timer starts automatically when an unoperated 3 seconds is passed after the timer setting is completed. The amount of time until the OFF timer operates that is displayed on the timer display decreases as time passes. The time can be changed by the Decrement/Increment buttons after the timer is once set.

● To cancel

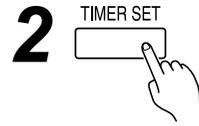
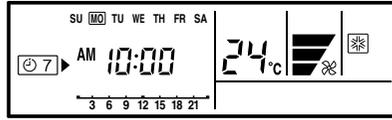
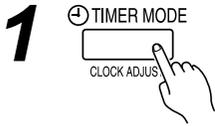
TIMER DELETE



- Press the "TIMER DELETE" button to cancel the timer mode.
- The timer mode can also be canceled by changing the timer mode using the "⌚ TIMER MODE / CLOCK ADJUST" button.

WEEKLY TIMER

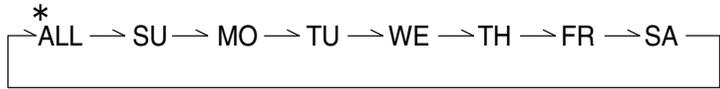
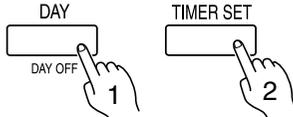
Weekly timer setting



Press the "TIMER MODE / CLOCK ADJUST" button to select the weekly timer.

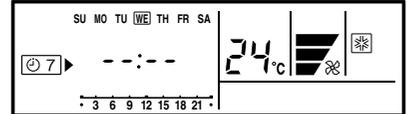
Press the "TIMER SET" button for 2 seconds or more.

3 ● Day of the week setting

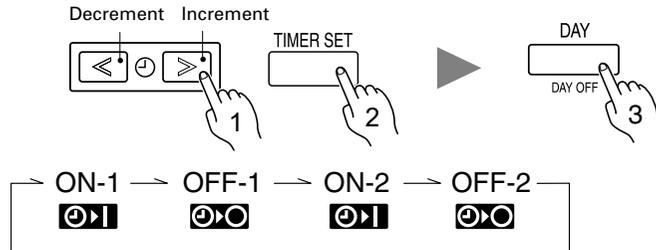


Press the "DAY / DAY OFF" button to select the day of the week, and then press the "TIMER SET" button to confirm the setting.

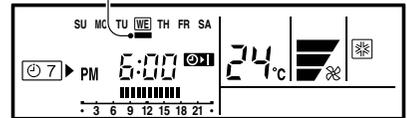
* When select ALL, all of the days will be selected.



4 ● Time setting (ON / OFF timer)



When the operating time is set, the  mark appears.

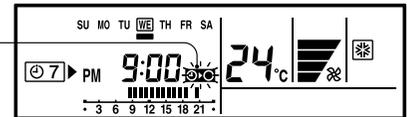
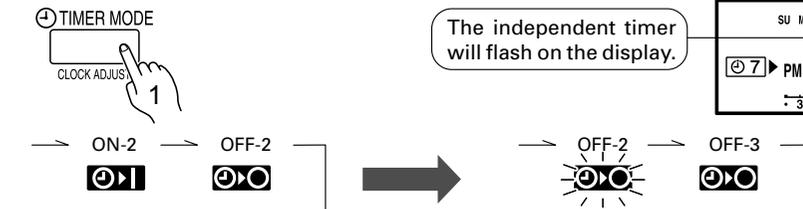


ex. The timer is set for 7:00 A.M. -6:00 P.M. (7:00-18:00)

Press the "<⊖" button or "⊕>" button to set the ON time in 30-minute increments, then press the "TIMER SET" button to proceed to the OFF time setting. Set the OFF time in the same way. If necessary, set the second weekly timer settings in the same way.

● Time setting (Independent OFF timer)

Switching from ON/OFF timer to independent OFF timer



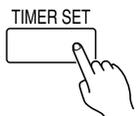
Press the "TIMER MODE / CLOCK ADJUST" button to change to the independent OFF timer setting.

* The time setting process is the same as the ON/OFF timer.

Press the "TIMER MODE / CLOCK ADJUST" button to return to the ON/OFF timer setting.

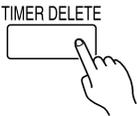
5

Repeat steps **3** and **4** to set the weekly timer for another day of the week.

6 

Press the "TIMER SET" button for 2 seconds or more to complete the weekly timer settings.

● To delete the operating time



If the "TIMER DELETE" button is pressed during steps **3** or **4**, the operating time for the selected day will be deleted. If all the days are selected, the operating times for all of the days will be deleted.

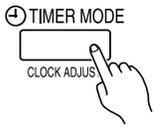
f NOTES

- The operating time can be set in 30-minute increments only.
- The OFF time can be carried over to the next day.
- The ON timer and the OFF timer functions cannot be set using the weekly timer. Both an ON and OFF time must be set.

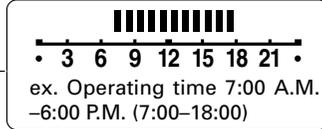
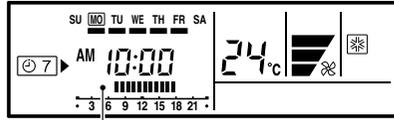
WEEKLY TIMER

WEEKLY timer operation

● To start



Press the "⊖ TIMER MODE / CLOCK ADJUST" button to start the timer mode.
When the weekly timer is selected, the timer starts automatically.



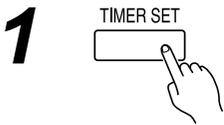
The operating time for the current day is displayed.

● To cancel

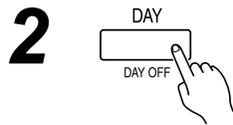


- Press the "TIMER DELETE" button to cancel the timer mode.
- The timer mode can also be canceled by changing the timer mode using the "⊖ TIMER MODE / CLOCK ADJUST" button.

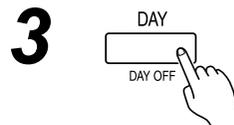
To set the DAY OFF (for a holiday)



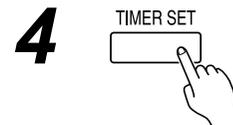
During the weekly timer, press the "TIMER SET" button for 2 seconds or more to set the day.



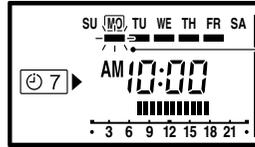
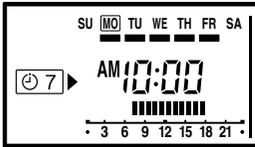
Press "DAY / DAY OFF" and select a day to set the DAY OFF.



Press the "DAY / DAY OFF" button for 2 seconds or more to set the DAY OFF.



Press the "TIMER SET" button for 2 seconds or more to complete the DAY OFF setting.



The  mark flashes under a day of the week.

ex. The DAY OFF is set for Monday.

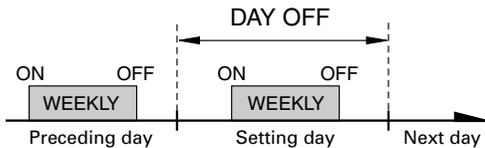
● To cancel

Follow the same procedures as those for setup.

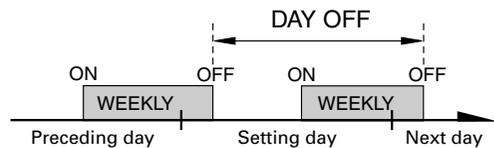
f NOTES

- The DAY OFF setting is only available for days for which weekly settings already exist.
- If the operating time carries over to the next day (during a next day setting), the effective DAY OFF range will be set as shown below.

● Normal



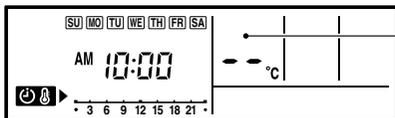
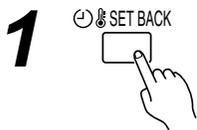
● Next day setting



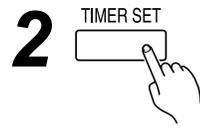
- The DAY OFF setting can only be set 1 time. The DAY OFF setting is cancelled automatically after the set day has passed.

TEMPERATURE SET BACK TIMER

Temperature SET BACK timer setting



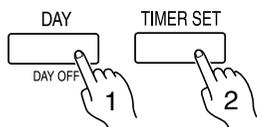
If there is no existing SET BACK temperature setting, “-” will be displayed for the temperature.



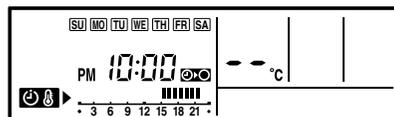
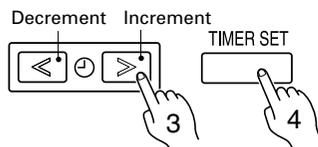
Press the “TIMER SET” button for 2 seconds or more. It is switched to setting mode when the button is pressed within 5 seconds after the LCD of Step 1 is displayed.

Press the “ SET BACK” button to change to the SET BACK confirmation display. The SET BACK operating time and the set temperature will be displayed. SET BACK timer automatically starts when an unoperated 5 seconds is passed, and then the display returns to the original indication.

3 ● Day setting



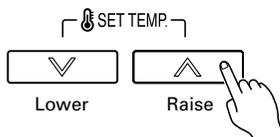
● Operating time setting



ex. When setting all days together

Follow steps **3** and **4** in “To set the WEEKLY timer” (Page 8). The “TIMER DELETE” button is also used as described in the procedures for the weekly timer. However, Independent OFF timer cannot be set.

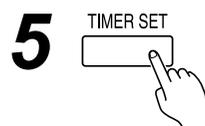
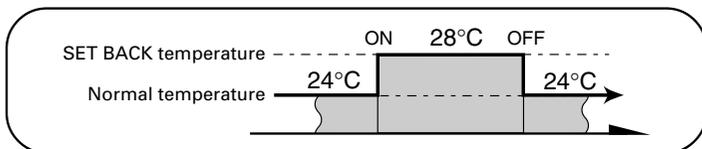
4 ● Temperature setting



Press the “ SET TEMP. ∇ ” button or “ SET TEMP. \blacktriangledup ” button to set the temperature (The temperature setting range is the same as the range for the operation mode.)



ex. Operating time 3:00–10:00 P.M.
(15:00–22:00)

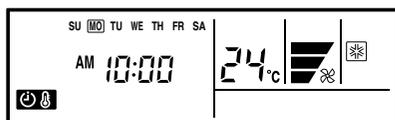


Repeat steps 3 and 4.

Press the “TIMER SET” button for 2 seconds or more to complete the temperature SET BACK timer settings.

Temperature SET BACK timer operation

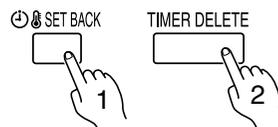
● To start



ex. Display during SET BACK timer operation
(The operating time will not be displayed.)

Press the “ SET BACK” button. The SET BACK confirmation display appears for 5 seconds, and then the timer starts automatically.

● To cancel



Press the “ SET BACK” button, and then press the “TIMER DELETE” button while the SET BACK confirmation display is displayed. Even if the “ SET BACK” button is pressed again, the SET BACK timer will be cancelled.

NOTES

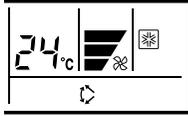
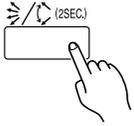
- The SET BACK timer only changes the set temperature, it cannot be used to start or stop air conditioner operation.
- The SET BACK timer can be set to operate up to 2 times per day but only one temperature setting can be used.
- The SET BACK timer can be used together with the ON, OFF, and weekly timer functions.
- The SET BACK operating time is displayed only in the SET BACK confirmation display. (Refer to step 1 for the SET BACK confirmation display.)

ADJUSTING THE DIRECTION OF AIR CIRCULATION

Instructions relating to heating are applicable only to "HEAT & COOL MODEL" (Reverse Cycle).
Start air conditioner operation before performing this procedure.

To set the operation mode

● Vertical air direction adjustment (Swing operation)

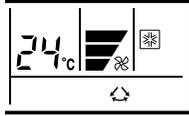
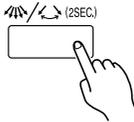


ex. Vertical swing operation

* Press the START/STOP button to start the air conditioner, and then proceed as follows.

Press the "↕/↕" button to adjust the direction of the vertical airflow. To set the swing operation, press the "↕/↕" button for more than 2 seconds. (Stop the setting by pressing for more than 2 seconds again.)

● Horizontal air direction adjustment (Swing operation)



ex. Horizontal swing operation

* Press the START/STOP button to start the air conditioner, and then proceed as follows.

Press the "↔/↔" button to adjust the direction of the horizontal airflow. To set the swing operation, press the "↔/↔" button for more than 2 seconds. (Stop the setting by pressing for more than 2 seconds again.)

- Each time the button is pressed, the airflow direction setting changes as shown in MANUAL OPERATION which is included in INDOOR UNIT.

NOTES

- When using the air conditioner in a room with infants, small children, or elderly or sick persons, the airflow direction and room temperature should be considered carefully when making the settings.
- The swing operation is not available depending on the model. Please refer to the MANUAL OPERATION for the INDOOR UNIT.

FILTER LAMP RESET

Some indoor unit models are equipped with a filter lamp in the indoor unit display to indicate when it is time to clean the air filters.



Press the "MAINTENANCE / FILTER RESET" button for 2 seconds or more. The indoor unit filter lamp will go off and the filter display will disappear.

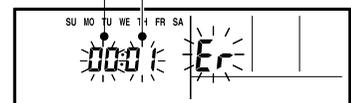
As the factory setting, Filter Sign is not displayed.

ERROR CODE DISPLAY

This appears automatically on the display if an error occurs.

If an error occurs, the following display will be shown.
("Er" will appear in the set room temperature display.)
If "Er" is displayed, immediately contact authorized service personnel.
Stop air conditioner operation and please consult authorized service personnel.

Faulty unit No. (0-15, C0) Error code



Ex. Error code display

OPERATING TIPS

Instructions relating to heating are applicable only to "HEAT & COOL MODEL" (Reverse Cycle).

About ECONOMY OPERATION

- At the maximum output, ECONOMY OPERATION is approximately 70% of normal air conditioner operation for cooling and heating. (Single-type)
- At the maximum output, ECONOMY OPERATION (All indoor unit) is approximately 70% of normal air conditioner operation for cooling and heating. (Multi-type)
- During ECONOMY OPERATION, the thermostat setting automatically changes according to the temperature to avoid Unnecessary cooling and heating for the most economical operation.
- If the room is not cooled (or heated) well during economy operation, select normal operation.
- During the monitor period in the AUTO mode, the air conditioner operation will not change to ECONOMY OPERATION even if ECONOMY OPERATION is selected by pressing the ECONOMY button.

Defrosting (for heating)

When the outdoor temperature is low and the humidity high, frost will collect on the outdoor unit, reducing heater efficiency. When this happens, the computer will automatically start the defrost cycle. During the defrost cycle, the indoor fan will shut-down and  will be displayed on the remote controller. It will take anywhere from 4 to 15 minutes before the air conditioner starts up again.

Group Control

One remote controller can control up to 16 air conditioners. All of the air conditioners will be operated with the same settings. Group control cannot be used when using it by the multi type.

Dual Remote Controllers (optional)

An additional remote controller can be added up to the maximum of 2 remote controllers. Either remote controller can control the air conditioner. However, the timer functions cannot be used at the slave unit.

Simultaneous Use of Multiple Units

Instructions relating to inverter (*) are applicable only to "INVERTER MODEL".

- * ● Operation cannot be done in the following different operating modes.
If the indoor unit is instructed to do an operating mode that it cannot perform,  will be shown on the remote controller display and the unit will go into the standby mode.
Heating mode and cooling mode (or dry mode)
Heating mode and fan mode
- * ● The operating mode (heating mode or cooling (dry) mode) of the outdoor unit will be determined by the operating mode of the indoor unit that was operated first. If the indoor unit was started in fan mode, the operating mode of the outdoor unit will not be determined.
For example, if indoor unit (A) was started in fan mode and then indoor unit (B) was then operated in heating mode, indoor unit (A) would temporarily start operation in fan mode but when indoor unit (B) started operating in heating mode,  will be shown on the remote controller display and it would go into standby mode. Indoor unit (B) would continue to operate in heating mode.

Oil Recovery (for heating)

During the Oil recovery cycle, the indoor fan will shutdown and  will be displayed on the remote controller. It will take Max. 5 minutes before the air conditioner starts up again. (Multi-type)

TROUBLESHOOTING

Instructions relating to heating are applicable only to "HEAT & COOL MODEL" (Reverse Cycle).

⚠ WARNING

- In the event of a malfunction (burning smell, etc.), immediately stop operation, turn off the electrical breaker and consult authorized service personnel.
- Merely turning off the unit's power switch will not completely disconnect the unit from the power source.
- Always be sure to turn off the electrical breaker to ensure that power is completely off.

Before requesting service, perform the following checks:

	Symptom	Problem	See Page
NORMAL FUNCTION	Airflow is stopped:	<ul style="list-style-type: none"> ● During Heating operation, the unit will temporarily stop operation (between 4 and 15 minutes) as the Automatic Defrosting mode operates. During the Automatic Defrosting operation,   will be shown on the remote controller display. 	11
		<ul style="list-style-type: none"> ● In case of Multi-type unit, during Heating operation, the unit will temporary stop operation (Max. 5 minutes) as the Automatic Oil Recovery mode operations. During the Automatic Oil Recovery operation,   will be shown on the remote controller display. 	11
		<ul style="list-style-type: none"> ● In case of Multi-type unit, if multiple units are operated in different operation modes as shown below, the units operated afterward will stop and   will be shown on the remote controller display of the stopped indoor units. Heating mode and cooling mode (or dry mode) Heating mode and fan mode 	11
	 thermo sensor display on the remote controller is flashing:	<ul style="list-style-type: none"> ● The room temperature sensor may be malfunctioning. Please consult authorized service personnel. 	—

If the problem persists after performing these checks, or if you notice burning smells, stop operation immediately, turn off the electrical breaker, and consult with authorized service personnel.

