

**Fig. 1 Indoor Unit**

- ① Operating Control Panel (Fig. 2)
- ② MANUAL AUTO button
- ③ Remote Control Signal Receiver
- ④ Indicator Lights (Fig. 3)
  - ⑤ OPERATION Indicator Light (red)
  - ⑥ TIMER Indicator Light (green)
  - ⑦ SWING Indicator Light (orange) (VERTICAL SWING)
  - ⑧ SWING Indicator Light (orange) (HORIZONTAL SWING)
    - If the TIMER indicator light flashes when the timer is operating, it indicates that a fault has occurred with the timer setting (See page 16 Auto Restart).
- ⑨ Intake Grille (Fig. 4)
- ⑩ Air Filter
- ⑪ UP/DOWN Air Direction Flaps
- ⑫ RIGHT/LEFT Air Direction Louvers (behind UP/DOWN Air Direction Flaps)
- ⑬ Drain Hose
- ⑭ Air Cleaning Filter (optional)

**Fig. 5 Outdoor Unit**

- ⑮ Intake Side
- ⑯ Outlet Side

**Fig. 6 Remote Control Unit**

- ⑰ SLEEP Button
- ⑱ MASTER CONTROL Button
- ⑲ SET TEMP./SET TIME Buttons (+/-)
- ⑳ Signal Transmitter
- ㉑ TIMER Button
- ㉒ FAN CONTROL Button
- ㉓ START/STOP Button
- ㉔ Battery compartment lid

**Inside of the battery compartment lid (Fig. 7)**

- ㉕ AIR FLOW DIRECTION Button
- ㉖ ENERGY SAVE Button
- ㉗ CODE CHANGE (Slide Switch)  
Switching the remote control unit code. (Max. 4 units)
- ㉘ TIME ADJUST Button
- ㉙ TEST RUN Button
  - This button is used when installing the air conditioner and should not be used under normal conditions as it will cause the air conditioner's thermostat function to operate incorrectly.
  - If this button is pressed during normal operation, the unit will switch to test operation mode, and the indoor unit's OPERATION indicator light and TIMER indicator light will begin to flash simultaneously.
  - To stop the test operation mode, either press the TEST RUN button once again, or press the START/STOP button to stop the air conditioner.
- ㉚ ACL Button

- ㉛ Remote Control Unit Display (Fig. 8)
  - ㉜ Transmit Indicator
  - ㉝ Clock Display
  - ㉞ Operating Mode Display
  - ㉟ Timer Mode Display
  - ㊱ Fan Speed Display
  - ㊲ Temperature Set Display
  - ㊳ Timer Set Indicator
  - ㊴ Temperature Set Indicator

# PREPARATION

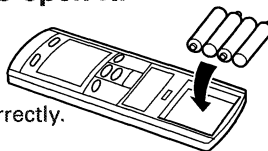
## Load Batteries (R03/LR03/AAA × 4)

**1 Slide the battery compartment lid to open it.**

**2 Insert batteries.**

Be sure to align the battery polarities (+/−) correctly.

**3 Close the battery compartment lid.**



## ⚠ CAUTION!

- Take care to prevent infants from accidentally swallowing batteries.
- When not using the remote control unit for an extended period, remove the batteries to avoid possible leakage and damage to the unit.
- If leaking battery fluid comes in contact with your skin, eyes, or mouth, immediately wash with copious amounts of water, and consult your physician.
- Dead batteries should be removed immediately and disposed of properly, either in a battery collection receptacle or to the appropriate authority.
- Do not attempt to recharge dry batteries.

## Set the Current time

**1 Press the TIME ADJUST button.**

Use the tip of a ball-point pen or other small object to press the button.

**2 Use the (+/−)SET TIME buttons to adjust the clock to the current time.**

**+ button:** Press to advance the time.

**− button:** Press to reverse the time.

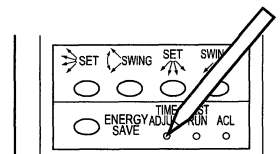
(Each time the buttons are pressed, the time will be advanced/reversed in one-minute increments; hold the buttons depressed to change the time quickly in ten-minute increments.)

**3 Press the TIME ADJUST button again.**

This completes the time setting and starts the clock.

Never mix new and used batteries, or batteries of different types.

Batteries should last about one year under normal use. If the remote control unit's operating range becomes appreciably reduced, replace the batteries and press the ACL button with the tip of a ballpoint pen or other small object.



## To Use the Remote Control Unit

- The remote control unit must be pointed at signal receiver to operate correctly.
- Maximum operating range: Approximately 10 meters. (This may not apply when the battery is low or there are obstacles.)
- When a signal is properly received by the air conditioner, a beep will be heard.
- If no beep is heard, press the remote control unit button again.

## Remote Control Unit Holder

### For Hand-Held use

- 
- 1 Mount the Holder.**
  - 2 Set the Remote Control Unit.**
  - 3 To remove the Remote Control Unit.**

### For Wall Mount use

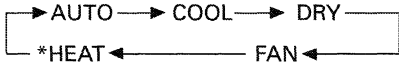
- 
- 1 Mount the Holder.**
  - 2 Set the Remote Control Unit.**
  - 3 Attach the unit to the holder as shown.**

# OPERATION

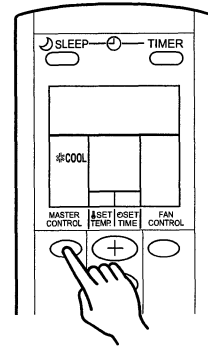
Instructions relating to heating (\*) are applicable only to "HEAT & COOL MODEL" (Reverse Cycle).

## To Select Mode Operation

- 1 Press the START/STOP button.**  
The indoor unit's OPERATION indicator light (red) will be on.  
The air conditioner will start operating.
- 2 Press the MASTER CONTROL button to select the desired mode.**  
Each time the button is pressed, the mode will change in the following order.



About three seconds later, the entire display will reappear.



Example: When set to COOL

## To Set the Thermostat

Press the SET TEMP. buttons.

- + button:** Press to raise the thermostat setting.
- button:** Press to lower the thermostat setting.

### ●Thermostat setting range:

- AUTO ..... 64 to 88 °F
- \* Heating ..... 60 to 88 °F
- Cooling/Dry ..... 64 to 88 °F

The thermostat cannot be used to set room temperature during the FAN mode (the temperature will not appear on the remote control unit's display).

About three seconds later, the entire display will reappear.

The thermostat setting should be considered a standard value, and may differ somewhat from the actual room temperature.

## To Set the Fan Speed

Press the FAN CONTROL button.

Each time the button is pressed, the fan speed changes in the following order:

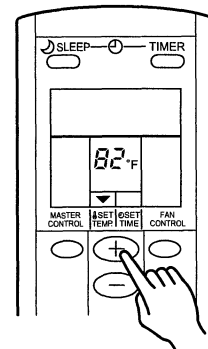


About three seconds later, the entire display will reappear.

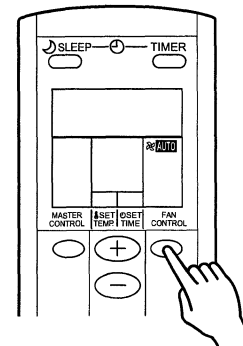
### When set to AUTO:

- \* Heating :** Fan operates so as to optimally circulate warm air.  
However, the fan will operate at very low speed when the temperature of the air from the indoor unit is low.
- Cooling :** As the room temperature approaches that of the thermostat setting, the fan speed becomes slower.
- Fan :** The fan alternately turns on and off; when on, the fan runs at the low fan speed.

The fan will operate at a very low setting during Monitor operation and at the start of the Heating mode.



Example: When set to 82°F



Example: When set to AUTO

## To Stop Operation

Press the START/STOP button.

The OPERATION indicator light (red) will turn off.

# OPERATION

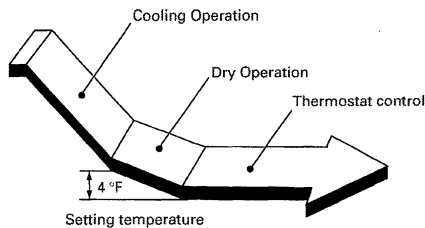
Instructions relating to heating (\*) are applicable only to "HEAT & COOL MODEL" (Reverse Cycle).

## About Mode Operation

### AUTO:

#### COOLING MODEL

- When the room temperature is 4 °F higher than the set temperature, the 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 page 7 for instructions on changing the mode setting (COOL, DRY, FAN).



### AUTO (\* AUTO CHANGEOVER):

#### HEAT & COOL MODEL (Reverse cycle)

- When AUTO CHANGEOVER is selected, the air conditioner selects the appropriate operation mode (Cooling or Heating) according to your room's present temperature.
- When AUTO CHANGEOVER is first selected, the fan will operate at very low speed for about one minute while the unit determines the current conditions of the room and accordingly selects the proper operation mode.
- When the air conditioner has adjusted your room's temperature to near the thermostat setting, it will begin monitor operation. In the monitor operation mode, the fan will operate at low speed. If the room temperature subsequently changes, the air conditioner will once again select the appropriate operation (Heating, Cooling) to adjust the temperature to the value set in the thermostat. (The monitor operation range is  $\pm 4$  °F relative to the thermostat setting.)
- If the mode automatically selected by the unit is not satisfactory, see page 7 for instructions on changing the mode setting (HEAT, COOL, DRY, FAN).

#### \*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 setting. This period of time is provided to allow the indoor unit to warm up before begin full operation.
- When the room temperature is very low, frost may form on the outside unit, and its performance may be reduced. In order to remove such frost, the unit will automatically enter the defrost cycle from time to time. During Automatic Defrosting operation, the OPERATION indicator light (red) will flash, and the heat operation will be interrupted.

#### Cooling:

- Use to cool your room.

#### Dry:

- Use for gently cooling while dehumidifying your room.
- You cannot heat the room during Dry mode.
- During Dry mode, the unit will operate at low speed; in order to adjust room humidity, the indoor unit's fan may stop from time to time. Also, the fan may operate at very low speed when detecting room humidity.
- The fan speed cannot be changed manually when Dry mode has been selected.

#### Fan:

- Use to circulate the air throughout your room.

#### \* During Heating mode:

Set the thermostat to a temperature setting that is higher than the current room temperature. The Heating mode will not operate if the thermostat is set lower than the actual room temperature.

#### During Cooling/Dry mode:

Set the thermostat to a temperature setting that is lower than the current room temperature. The Cooling and Dry modes will not operate if the thermostat is set higher than the actual room temperature (in Cooling mode, the fan alone will operate).

#### During Fan mode:

The heat and cool functions of this unit cannot operate in the Fan mode.

# TIMER OPERATION

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

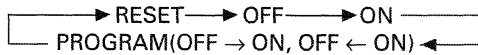
Before using the timer function, be sure that the remote control unit is set to the current time (See page 6).

## To Use the ON timer or OFF timer

- 1 Press the START/STOP button (if the unit is already operating, proceed to step 2).**  
The indoor unit's OPERATION indicator light (red) will turn on.

- 2 Press the TIMER button to select the OFF timer or ON timer operation.**

Each time the button is pressed the timer function changes in the following order:



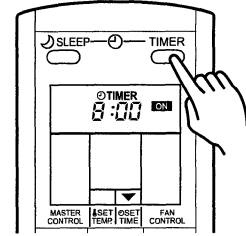
The indoor unit's TIMER indicator light (green) will turn on.

- 3 Use the SET TIME buttons to adjust the desired OFF time or ON time.**

Set the time while the time display is flashing (the flashing will continue for about five seconds).

- + button:** Press to advance the time.
- button:** Press to reverse the time.

About five seconds later, the entire display will reappear.



### To Cancel the Timer

Use the TIMER button to select "TIMER RESET."

The air conditioner will return to normal operation.

### To Change the Timer Settings

Perform steps 2 and 3.

### To Stop Air Conditioner Operation while the Timer is Operating

Press the START/STOP button.

### To Change Operating Conditions

If you wish to change the operating conditions (Mode, Fan Speed, Thermostat Setting), after making the timer setting, wait until the entire display reappears, then press the appropriate buttons to change to the desired operating condition.

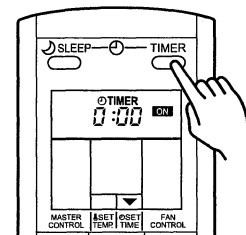
## To Use the PROGRAM timer

- 1 Press the START/STOP button (if the unit is already operating, proceed to step 2).**  
The indoor unit's OPERATION indicator light (red) will turn on.

- 2 Set the desired times for OFF timer and ON timer.**  
See the section "To Use the ON timer or OFF timer" to set the desired mode and times.  
About three seconds later, the entire display will reappear.  
The indoor unit's TIMER indicator light (green) will turn on.

- 3 Press the TIMER button to select the PROGRAM timer operation (either OFF → ON or OFF ← ON will display).**  
The display will alternately show "OFF timer" and "ON timer", then change to show the time setting for the operation to occur first.
  - The PROGRAM timer will begin operation. (If the ON timer has been selected to operate first, the unit will stop operating at this point.)

About five seconds later, the entire display will reappear.



### To Cancel the Timer

Use the TIMER button to select "TIMER RESET."

The air conditioner will return to normal operation.

### To Change the Timer Settings

1. Follow the instructions given in the section "To Use the ON Timer or OFF Timer" to select the timer setting you wish to change.
2. Press the TIMER button to select either OFF → ON or OFF ← ON.

### To Stop Air Conditioner Operation while the Timer is Operating

Press the START/STOP button.

### To Change Operating Conditions

If you wish to change the operating conditions (Mode, Fan Speed, Thermostat Setting), after making the timer setting, wait until the entire display reappears, then press the appropriate buttons to change to the desired operating condition.

# TIMER OPERATION

## About the PROGRAM timer

- The PROGRAM timer allows you to integrate OFF timer and ON timer operations in a single sequence. The sequence can involve one transition from OFF timer to ON timer, or from ON timer to OFF timer, within a twenty-four hour period.
- The first timer function to operate will be the one set nearest to the current time. The order of operation is indicated by the arrow in the remote control unit's display (OFF → ON, or OFF ← ON).
- One example of PROGRAM timer use might be to have the air conditioner automatically stop (OFF timer) after you go to sleep, then start (ON timer) automatically in the morning before you rise.

## About the ON timer

- The timer function is designed to bring your room to a comfortable temperature by the set time; as a result, the unit automatically begins operation before the set time so that the room reaches the desired temperature by the time set on the timer.
- The hotter it is in summer, or the colder it is in winter, the earlier that operation will begin.
- \* During Heating Operation ..... from 45 to 10 minutes before set time.
- During Cooling/Dry Operation ... from 20 to 10 minutes before set time.
- During Fan Operation ..... at the set time.

# SLEEP TIMER OPERATION

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

Unlike other timer functions, the SLEEP timer is designed to set the duration of time in which the unit does not operate.

## To Use the SLEEP timer

While the air conditioner is operating or stopped, press the SLEEP button.

Both the indoor unit's OPERATION indicator light (red) and the TIMER indicator light (green) will turn on.

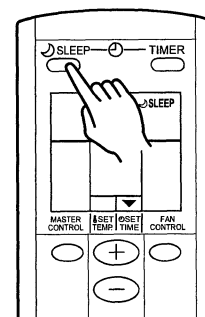
## To Change the Timer Settings

Press the SLEEP button once again and set the time using the SET TIME buttons.

Set the time while the Timer Mode Display is flashing (the flashing will continue for about five seconds).

- ⊕ **button:** Press to advance the time.
- ⊖ **button:** Press to reverse the time.

About five seconds later, the entire display will reappear.



## To Cancel the Timer:

Use the TIMER button to select "TIMER RESET". The air conditioner will return to normal operation.

## To Stop the Air Conditioner During Timer Operation:

Press the START/STOP button.

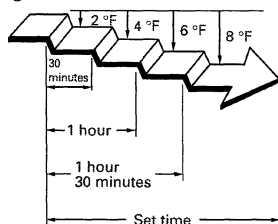
## About the SLEEP timer

To prevent excessive warming or cooling during sleep, the SLEEP timer function automatically modifies the thermostat setting in accordance with the time setting. When the set time has elapsed, the air conditioner completely stops.

### \*During Heating operation:

When the SLEEP timer is set, the thermostat setting is automatically lowered 2 °F every thirty minutes. When the thermostat has been lowered a total of 8 °F, the thermostat setting at that time is maintained until the set time has elapsed, at which time the air conditioner automatically turns off.

SLEEP timer setting



### During Cooling/Dry operation:

When the SLEEP timer is set, the thermostat setting is automatically raised 2 °F every sixty minutes. When the thermostat has been raised a total of 4 °F, the thermostat setting at that time is maintained until the set time has elapsed, at which time the air conditioner automatically turns off.

SLEEP timer setting

