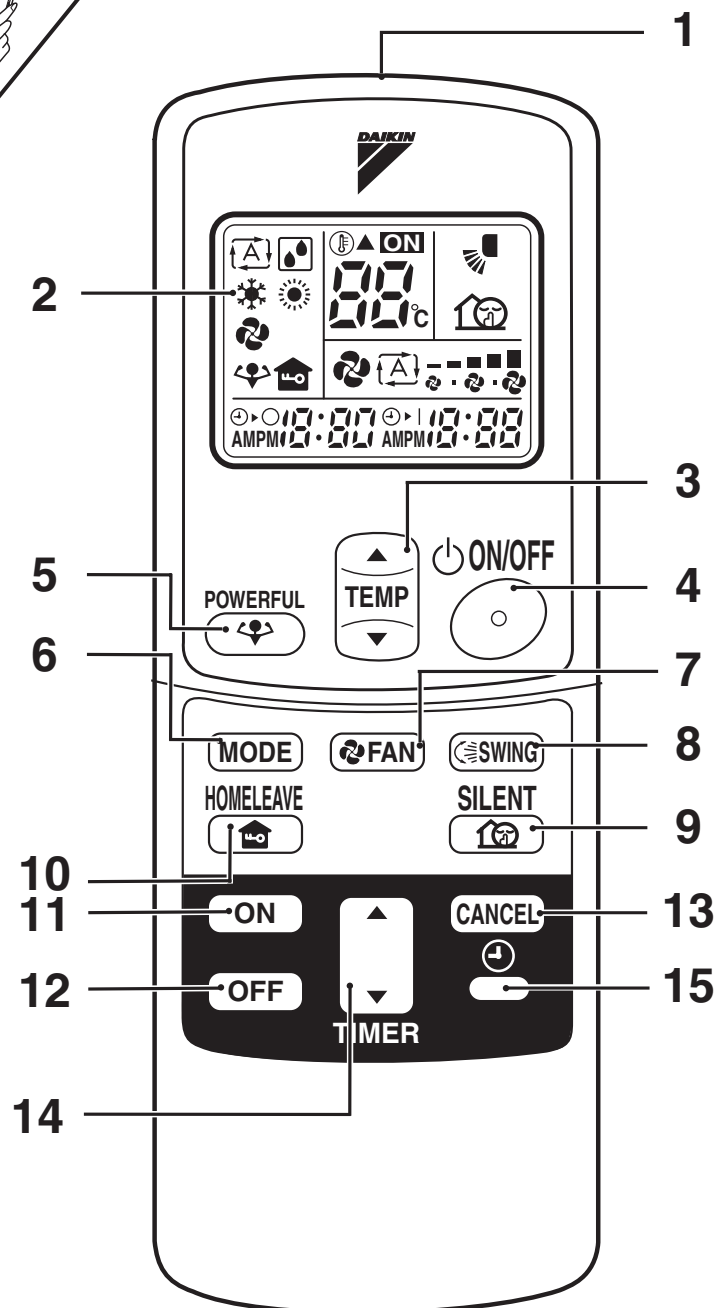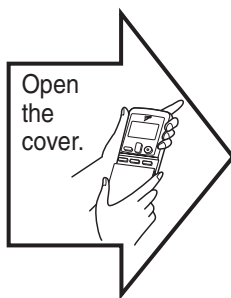## ARC423A15, A16

Open the cover.

1. Transmitter

■ It sends signals to the indoor unit.

2. Display

■ It displays the current settings. (In this illustration, each section is shown with all its displays ON for the purpose of explanation.)
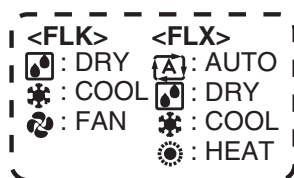
3. TEMPERATURE adjustment buttons

■ It changes the temperature setting.

4. ON/OFF button

■ Press it once to start operation.
  To stop it, press it once again.
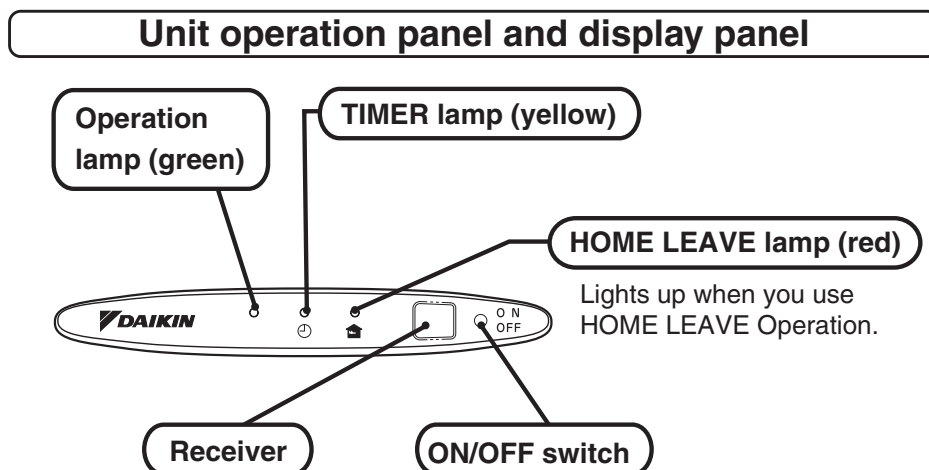
5. POWERFULL button

6. MODE selector button

■ It selects the operation mode.

```
<FLK>       <FLX>
 : DRY       : AUTO
 : COOL      : DRY
 : FAN       : COOL
             : HEAT
```

7. FAN setting button

8. SWING button

9. OUTDOOR UNIT SILENT button

10. HOME LEAVE button

11. ON TIMER button

12. OFF TIMER button

13. TIMER CANCEL button

■ It changes the temperature setting.

14. TIME adjustment button
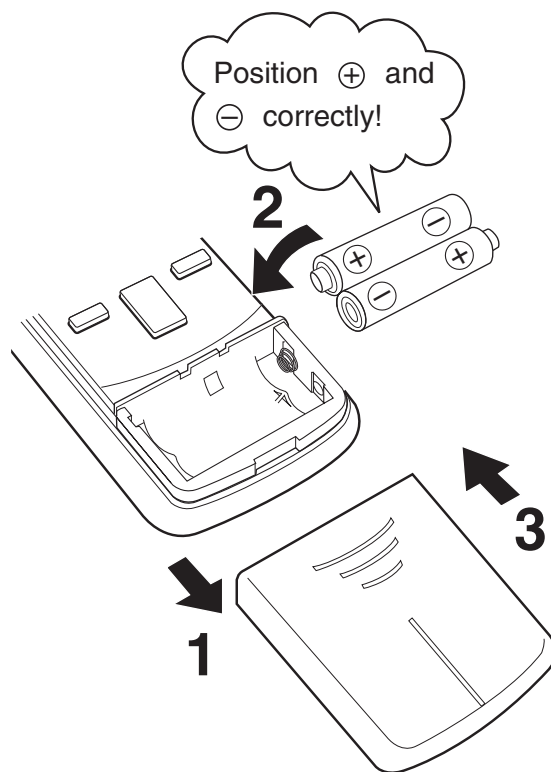
■ It changes the time setting.

15. CLOCK button

Unit operation panel and display panel

Operation lamp (green)

TIMER lamp (yellow)

HOME LEAVE lamp (red)

Lights up when you use HOME LEAVE Operation.

Receiver

ON/OFF switch

4. ARC423 Series

4.1 Preparation Before Operation
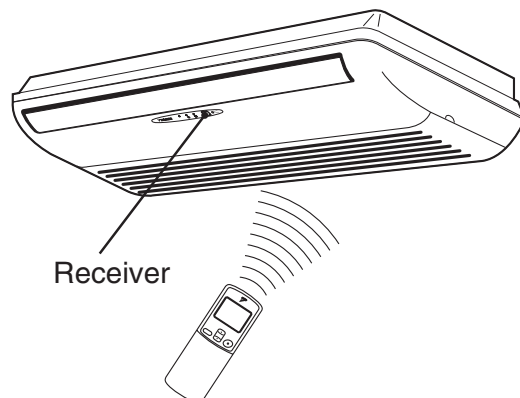
Remote controller

■ **Setting the batteries**

1 Press ≋ with a finger and slide the front cover to take it off.

2 Set two dry batteries (AAA).

3 Set the front cover as before.
  ●This will cause the figures on the display to flash. Set the clock at this point.

■ Operating the remote controller

● To use the remote controller, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
● Do not drop the remote controller. Do not get it wet.
● The maximum distance for communication is about 7 m.

Receiver

■ To fix the remote controller holder on the wall

1 Choose a place from where the signals reach the unit.

2 Fix the holder to a wall, a pillar, etc. with the screws supplied with the holder.

3 Place the remote control in the remote control holder.

Set.

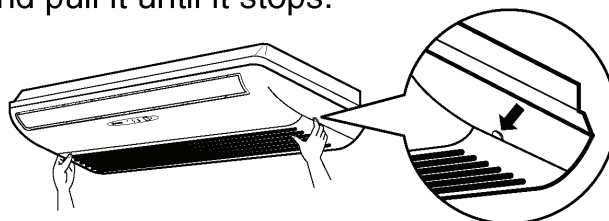Remote controller holder
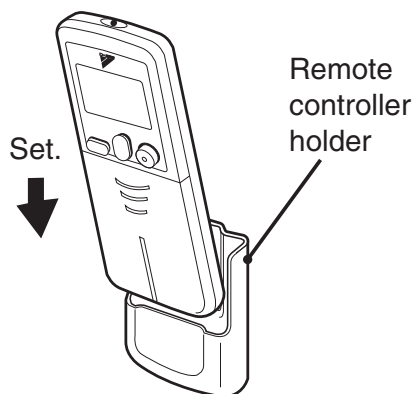
● To remove, pull it upwards.

Indoor unit

■ Setting the air purifying filters

● When opening the front grille, use a robust and stable stool and watch your steps carefully.
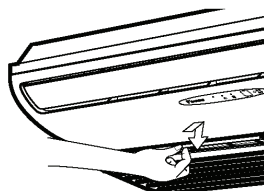
1 Open the front grille.
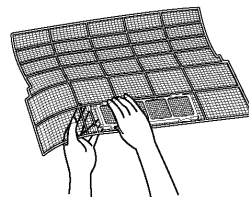● Hold the grille by the tabs on the two sides and pull it until it stops.

2 Pull out the air filters.
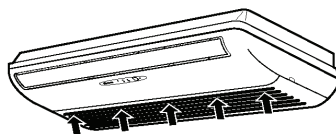● Push the tab at the center of each air filter, then pull it down.

3 Set the air purifying filters.
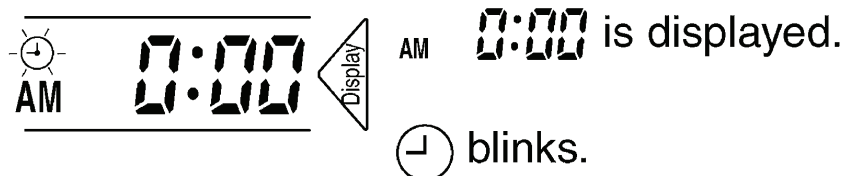● Attach an air purifying filter to each air filter.

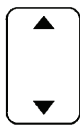### 4 Set the air filters in their original positions and close the front grille.

● Push the grille at the 5 points indicated by ↟.
● Operation without air filters may result in troubles as dust will accumulate inside the indoor unit.

■ Setting the clock

1 Press ⏲

AM $\Box$:$\Box\Box$ is displayed.
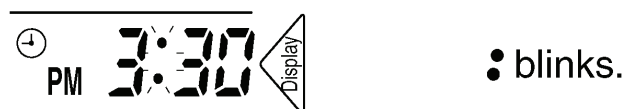
⏲ blinks.

2 Press [▲ / ▼] to set the clock to the present time.

TIMER

● Holding down (▲) or (▼) button

rapidly increases or decreases the time display.

3 Press ⏲ .

: blinks.

(Now the clock is set.)

■ Turn the breaker ON

● Turning ON the breaker opens the flap, then closes it again. (This is a normal procedure.)

NOTE

Tips for saving energy

● Be careful not to cool (heat) the room too much. Keeping the temperature setting at a moderate level helps save energy.

Recommended temperature setting

For cooling: 26°C – 28°C
For heating: 20°C – 24°C

● Cover windows with a blind or a curtain. Blocking sunlight and air from outdoors increases the cooling (heating) effect.
● Clogged air filters cause inefficient operation and waste energy. Clean them once in about every two weeks.

Please note

● The air conditioner always consumes 15 – 35 watts of electricity even while it is not operating.
● If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn the breaker OFF.
● Use the air conditioner in the following conditions.

| Mode	Operating conditions		If operation is continued out of this range
COOL	Outdoor temperature (RK, RX (3 to 4MK (3MX (4MX (RMK (RMX Indoor temperature Indoor humidity	: 10 to 46 °C) : 10 to 46 °C) : 21 to 43 °C) : 10 to 43 °C) : 5 to 46 °C) : −5 to 46 °C) : 10 to 32 °C : 80% max. (*1)	• A safety device may work to stop the operation. (In multi system, it may work to stop the operation of the outdoor unit only.) • Condensation may occur on the indoor unit and drip.
HEAT	Outdoor temperature (RX (3 to 4MX (RMX Indoor temperature	: −10 to 21 °C) : −10 to 21 °C) : −15 to 21 °C) : 10 to 30 °C	• A safety device may work to stop the operation.
DRY	Outdoor temperature (RK, RX (3 to 4MK (3 to 4MX (RMK, RMX Indoor temperature Indoor humidity	: 21 to 46 °C) : 21 to 46 °C) : 21 to 43 °C) : 21 to 46 °C) : 10 to 32 °C : 80% max.	• A safety device may work to stop the operation. • Condensation may occur on the indoor unit and drip.

(*1) Use in humidity 60 % or lower when using the unit at an outdoor temperature of 10°C or lower.

4.2 AUTO • DRY • COOL • HEAT • FAN Operation

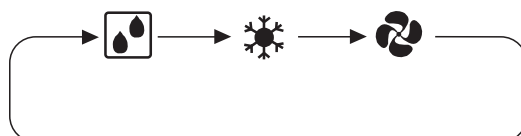The air conditioner operates with the settings of your choice.
From the next time on, the air conditioner will operate with the same settings.

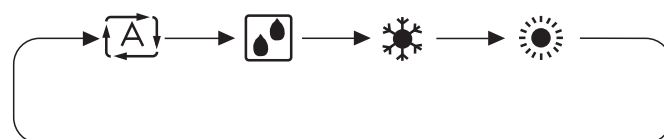**1** Press (MODE) and select a mode.
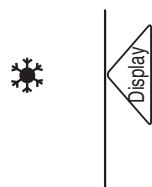
● Each pressing of the button advances the mode setting in sequence.
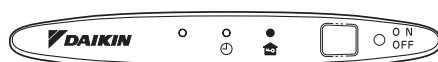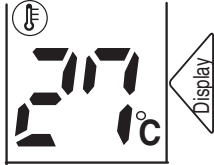
\<FLK\>

\<FLX\>

2 Press ⏻**ON/OFF** .

Then OPERATION lamp lights up.

■ To stop:

Press ⏻**ON/OFF** once again.

Then OPERATION lamp goes off.

■ To change the temperature setting:

DRY or FAN mode	AUTO or HEAT or COOL mode
The temperature setting is not variable.	Press ▲ to raise the temperature and press ▼ to lower the temperature.
	Set to the temperature you like. 27°c

■ To change the air flow rate setting:

Press ⊘FAN.

DRY mode	AUTO or HEAT or COOL or FAN mode
The air flow rate setting is not variable.	Five levels of air flow rate setting from " 〰 " to " 〰 "plus " ⟨A⟩ " are available.

● At smaller air flow rates, the cooling effect is also smaller.

NOTE

<Note on HEAT mode operation>

● Since this air conditioner heats the room by taking heat from outdoor air to indoors, the heating capacity becomes smaller in lower outdoor temperatures. If the heating effect is insufficient, it is recommended to use another heating appliance in combination with the air conditioner.

● The heat pump system heats the room by circulating hot air around all parts of the room. After the start of heating operation, it takes some time before the room gets warmer.

● In heating operation, frost may occur on the outdoor unit and lower the heating capacity. In that case, the system switches into defrosting operation to take away the frost.

● During defrosting operation, hot air does not flow out of indoor unit.

<Note on DRY mode operation>

● This operation dehumidifies the indoor air when it is humid.

<Note on AUTO operation>

● In AUTO operation, the system selects a temperature setting and an appropriate mode (COOL or HEAT) based on the room temperature at the start of the operation.

● The system automatically reselects setting at a regular interval to bring the room temperature to user-seetting level.

● If you do not like AUTO operation, you can select manually, you like the mode and setting.

4.3 Adjusting the Air Flow Direction

You can adjust the air flow direction to increase your comfort.

Adjusting the horizontal blade (flap)

Press ⒮SWING .

● Every time the button is pressed, " 🔲 " appears or disappears.
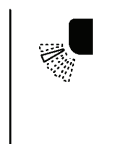
.... The flap automatically swings up and down.

.... To stop the flap at an angle you like, press ⒮SWING .

No display

Notes on flap angles

● When [SWING] is selected, the flap swinging range depends on the operation mode. (See the figure.)

DRY
COOL
FAN

HEAT
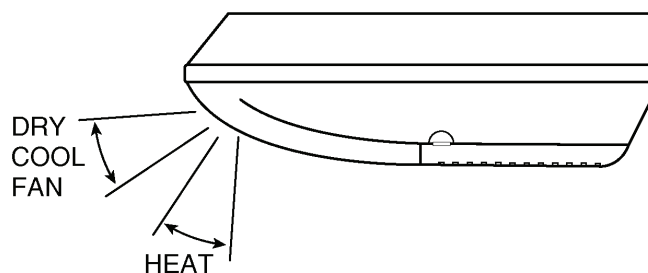
NOTE

- Unless [SWING] is selected, you should set the flap at a near- horizontal angle in COOL or DRY mode to obtain the best performance.
- In COOL or DRY mode, if the flap is fixed at a downward position, the flap automatically moves in about 60 minutes to prevent condensation on it.

Adjusting the vertical blade (louvre)

- When adjusting the louvre, use a robust and stable stool and watch your steps carefully.
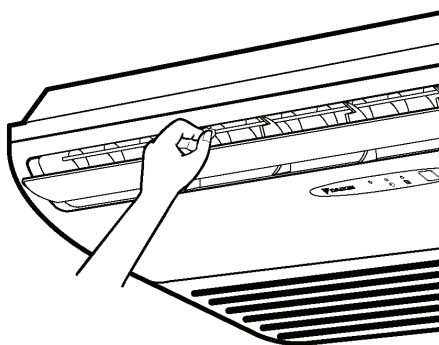
Hold the knob and move the louvre.
(You will find a knob on the left side and the right side blades.)

4.4 POWERFUL Operation

POWERFUL operation quickly maximizes the cooling (heating) effect in any operation mode. You can get the maximum capacity with a touch of a button.

● Pressing the (POWERFUL) button during operation starts POWERFUL operation.

● POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the settings which were used before POWERFUL operation.

● During you use "POWERFUL operation", the other functions will not go on.

1 Press ⌖ .

■ **To cancel POWERFUL operation:**
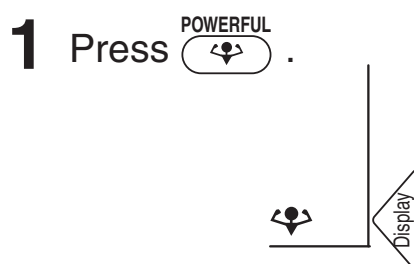
Press ⌖ .

 Notes on POWERFUL operation

● **In COOL and HEAT mode**

To maximize the cooling and heating effect, the capacity of outdoor unit must be increased and the air flow rate be fixed to the maximum setting.

The temperature and air flow settings are not variable.

● **In DRY mode**

The temperature setting is lowered by 3°C and the air flow rate is slightly increased.

● **In FAN mode**

The air flow rate is fixed to the maximum setting.

4.5 OUTDOOR UNIT SILENT Operation

OUTDOOR UNIT SILENT operation lowers the noise-level of the outdoor unit by changing the frequency and fan rpm on the outdoor unit. This function is convenient when sleeping, etc.

How to use OUTDOOR UNIT SILENT operation

■ **To use the "OUTDOOR UNIT SILENT operation"**

Press $\overset{\text{SILENT}}{\boxed{\text{🔊}}}$.

■ **To cancel the "OUTDOOR UNIT SILENT operation"**

Press $\overset{\text{SILENT}}{\boxed{\text{🔊}}}$ again.

Note on OUTDOOR UNIT SILENT operation

● This function is not available when it is connected to Multi System.

● This function is available in COOL, HEAT, and AUTO modes.
(This is not available in FAN and DRY modes.)

● Using POWERFUL operation during OUTDOOR UNIT SILENT operation will disengage OUTDOOR UNIT SILENT operation.

● Turning the unit off either with the remote control or by flipping the switch on the unit during OUTDOOR UNIT SILENT operation will shut the unit off. The unit will continue in OUTDOOR UNIT SILENT operation when turned back on.

4.6 HOME LEAVE Operation

HOME LEAVE operation function is useful when you leave the house or the room.

How to use HOME LEAVE Operation

∗ This function is only available in COOL and HEAT modes.

■ To use the "HOME LEAVE Operation"

Press $\boxed{\text{HOMELEAVE} \atop \text{⌂}}$ while the air conditioner is operating.

(The HOME LEAVE lamp lights up.)

■ To cancel the "HOME LEAVE Operation"

Press $\boxed{\text{HOMELEAVE} \atop \text{⌂}}$ again.

(The HOME LEAVE lamp goes off.)

Before using HOME LEAVE Operation...

● When using HOME LEAVE Operation for the first time, set the temperature and air flow rate for HOME LEAVE Operation.
The initial settings are:
    Heating ... Temperature 25°C Air flow rate AUTO
    Cooling ... Temperature 25°C Air flow rate AUTO

■ How to set the temperature and air flow rate.

1 Press $\overset{\text{HOMELEAVE}}{\boxed{\text{↑}}}$.

2 Adjust the set temperature with $\boxed{\begin{array}{c}▲\\ \text{TEMP}\\ ▼\end{array}}$

as you like.

3 Adjust the air flow rate setting with

$\boxed{\text{FAN}}$ as you like.

∗ The temperature and air flow rate will be the
same as the previous settings starting with
the second use.

∗ If you want to change the settings from the
previous use, repeat steps 1 through 3.

What's the HOME LEAVE Operation

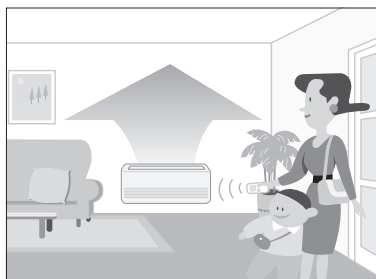● What is HOME LEAVE Operation?

Using HOME LEAVE Operation

During heating... It prevents the temperature in the room from dropping too far on cold winter days by using weak heating operation (*1). Disengaging HOME LEAVE Operation will return the room to the set temperature right away.

During cooling... It prevents the temperature in the room from rising too high on hot summer days by using weak cooling operation (*1). Disengaging HOME LEAVE Operation will return the room to the set temperature right away.

(*1)... You can change the set temperature and air flow rate as you wish. Refer to the "Before using home leave operation" section above on how to change the settings.
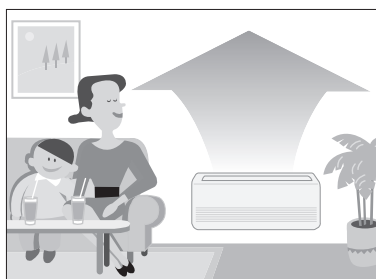
■ Useful at times like these!

1 Every day before you leave the house...

When you go out, push the "HOME LEAVE Operation" button, and the air conditioner will adjust capacity to reach the preset temperature for HOME LEAVE Operation.
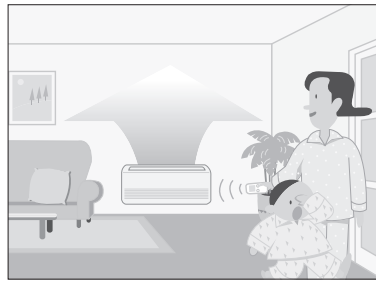

When you return, you will be welcomed by a comfortably air conditioned room.

Push the "HOME LEAVE Operation" button again, and the air conditioner will adjust capacity to the set temperature for normal operation.

2 Before bed...

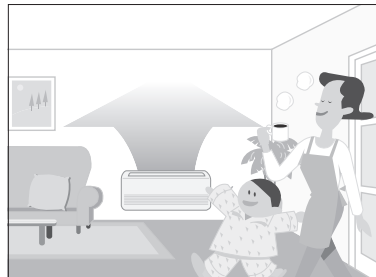Set the unit to HOME LEAVE Operation before leaving the living room when going to bed.

The unit will maintain the temperature in the room at a comfortable level while you sleep.

When you enter the living room in the morning, the temperature will be just right.
Disengaging HOME LEAVE Operation will return the temperature to that set for normal operation. Even the coldest winters will pose no problem!

NOTE

<Note on HOME LEAVE Operation>

● HOME LEAVE Operation is only available in COOL and HEAT modes. (Cannot be used in AUTO, DRY, and FAN modes.)

● HOME LEAVE Operation runs in accordance with the operation mode the unit was in before using HOME LEAVE Operation.

● HOME LEAVE Operation can be set within the ranges shown below.
  Temperature: (During heating) 10˚C to 30˚C
              (During cooling) 18˚C to 32˚C
  Air flow rate: 5 steps from weak to strong, or automatic.

● Using POWERFUL operation during HOME LEAVE Operation will disengage HOME LEAVE Operation.

● Turning the unit off by flipping the switch on the unit during HOME LEAVE Operation will shut the unit off. The unit will continue in HOME LEAVE Operation when turned back on.

● Turning the unit off with the remote control during HOME LEAVE Operation will shut the unit off.
  H/P: HOME LEAVE Operation will be disengaged when the unit is turned back on.
  C/O: HOME LEAVE Operation will continue when the unit is turned back on.
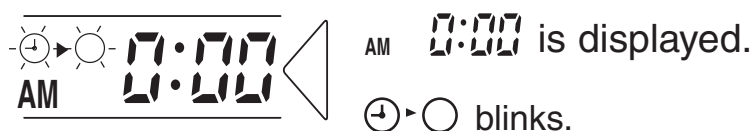

4.7 Timer Operation

Timer functions are useful for automatically switching the air conditioner on or off at night or in the morning. You can also use OFF TIMER and ON TIMER in combination.

OFF TIMER operation

● Check that the clock is correct.
  If not, set the clock to the present time.

1 Press ⟨OFF⟩ while the air conditioner

is operating.

AM $0:00$ is displayed.

⏰▸○ blinks.

2 Press ⬆⬇ until the time setting

TIMER
reaches the point you like.

● Every pressing of either button
  increases or decreases the time setting
  by ten minutes. Holding down either
  button changes the setting rapidly.

3 Press (OFF) once again.

AM **0:00**

Then the TIMER lamp lights up.

■ To cancel the timer:

Press (CANCEL) .

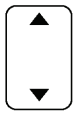Then the TIMER lamp goes off.

(Notes on OFF TIMER)

● NIGHT SET MODE
When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.5°C up in COOL, 2.0°C down in HEAT) to prevent excessive cooling (heating) for your pleasant sleep.

ON TIMER operation

● Check that the clock is correct. If not, set the clock to the present time.

1 Press ⊂ON⊃ while the air conditioner is not operating.
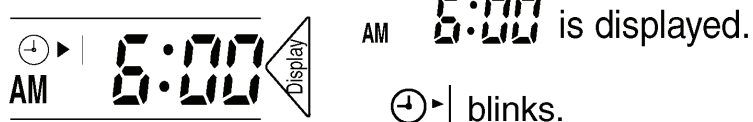
AM 🕐►| 6:00 ◁Display

AM 6:00 is displayed.

🕐►| blinks.

2 Press ▲▼ until the time setting

TIMER

reaches the point you like.

● Every pressing of either button increases or decreases the time setting by 10 minutes. Holding down either button changes the setting rapidly.

3 Press ⊂ON⊃ once again.
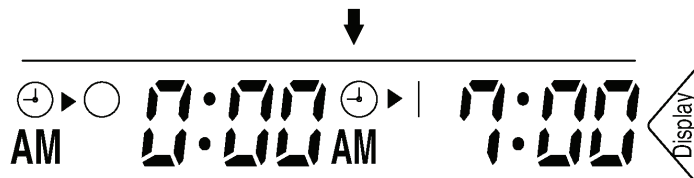
AM 🕐►|- 7:00 ◁Display

Then the TIMER lamp lights up.

Combining ON TIMER and OFF TIMER

● A sample setting for combining the two timers is shown below.

(Example)

Present time: 11:00 PM
(The unit operating)
OFF TIMER at 0:00 a.m.
ON TIMER at 7:00 a.m. } Combined

⬇

Notes on ON,OFF TIMER

● When TIMER is set, the present time is not displayed.
● Once you set ON,OFF TIMER, the time setting is kept in the memory. (The memory is canceled when remote controller batteries are replaced.)
● When operating the unit via the ON/OFF Timer, the actual length of operation may vary from the time entered by the user.(Maximum approx. 10 minutes.)