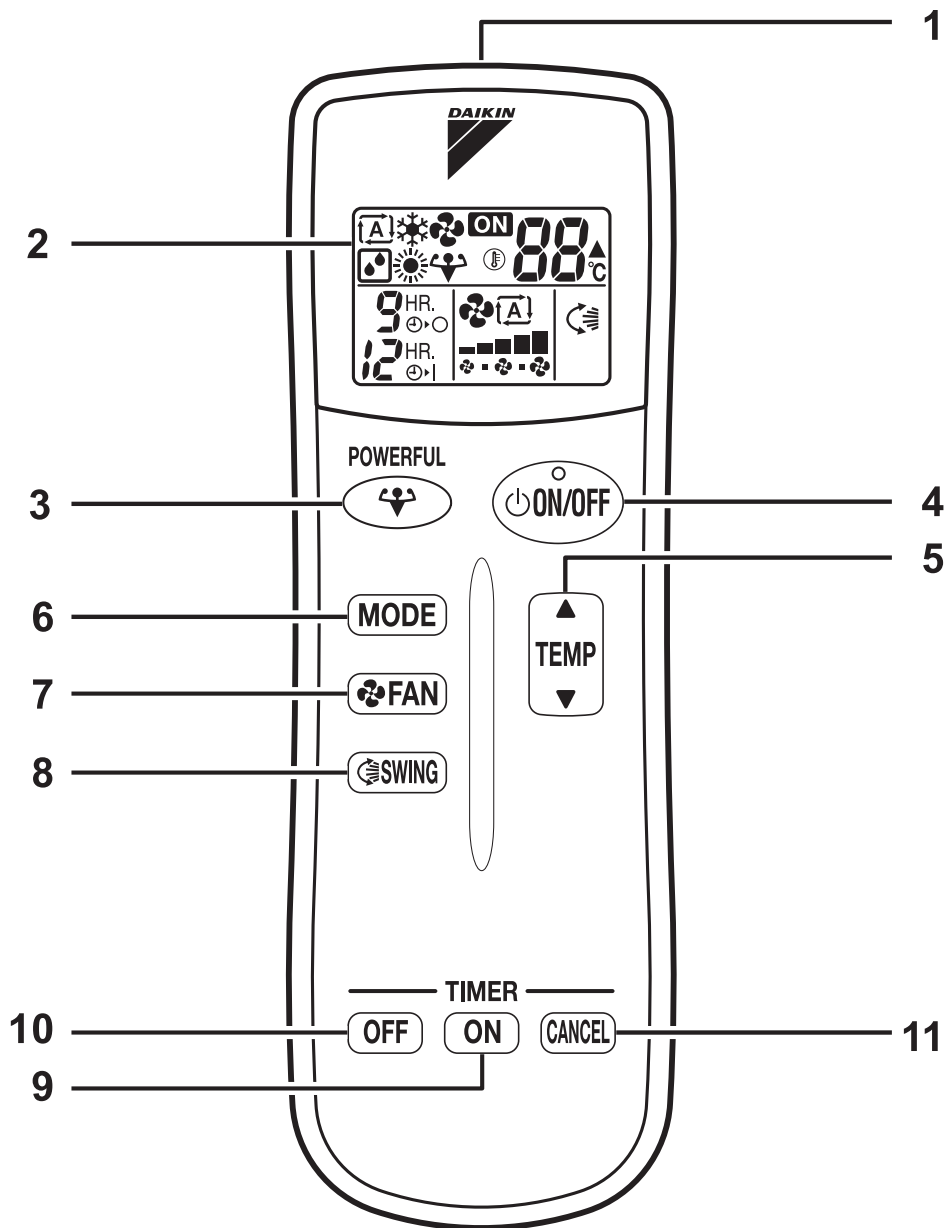


# 7. ARC445 Series

## ARC445A1, A3



**1. Signal 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. POWERFUL button**

- for POWERFUL operation

**4. ON/OFF button**

- Press this button once to start operation.  
Press once again to stop it.
- The button glows even in dark rooms.

**5. TEMPERATURE adjustment buttons**

- It changes the temperature setting.

**6. MODE selector button**

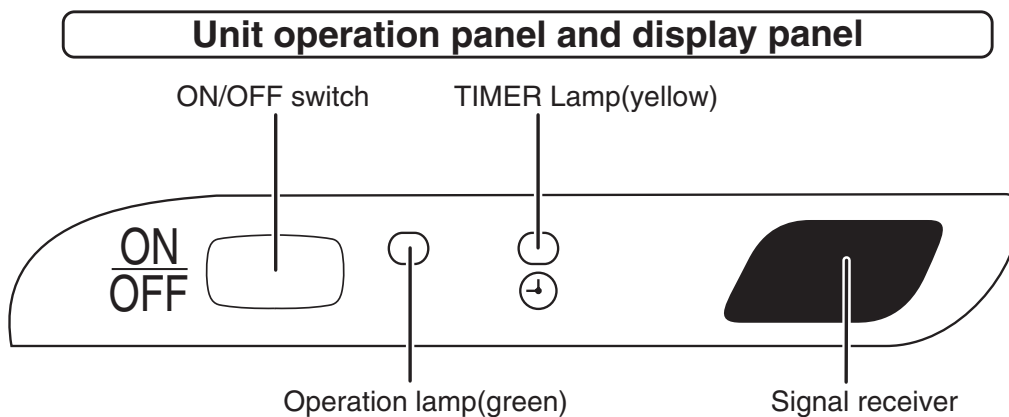
- It selects the operation mode.  
(AUTO/DRY/COOL/HEAT/FAN)

**7. FAN setting button**

- It selects the air flow rate setting.

**8. SWING button****9. ON TIMER button****10. OFF TIMER button****11. TIMER CANCEL button**

- It cancels the timer setting.

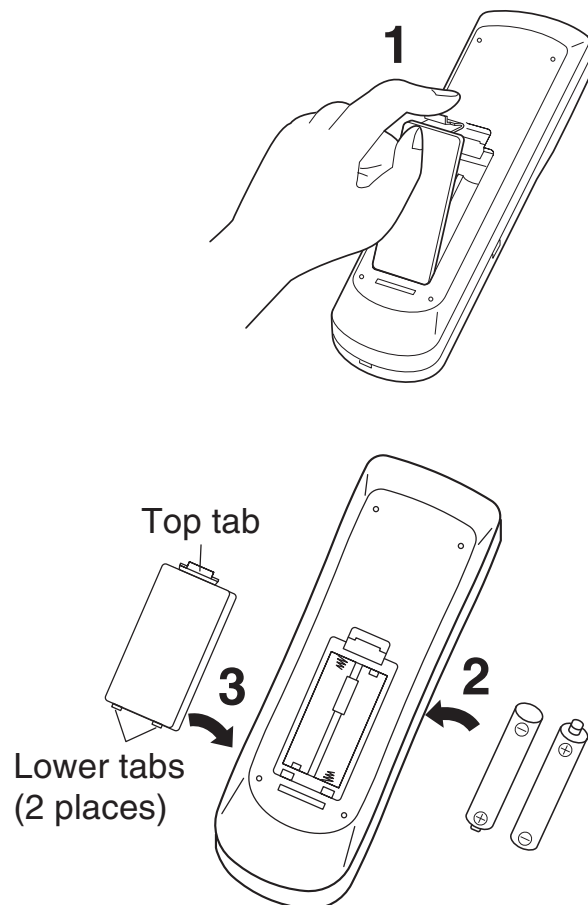


## 6. ARC445 Series

### 6.1 Preparation Before Operation

#### ■ To set the batteries

1. Pull the tabs on top down and open the lid.
2. Set two dry batteries (AAA).
3. Insert the two tabs in the bottom of the lid and close the lid as it was before.



## ATTENTION

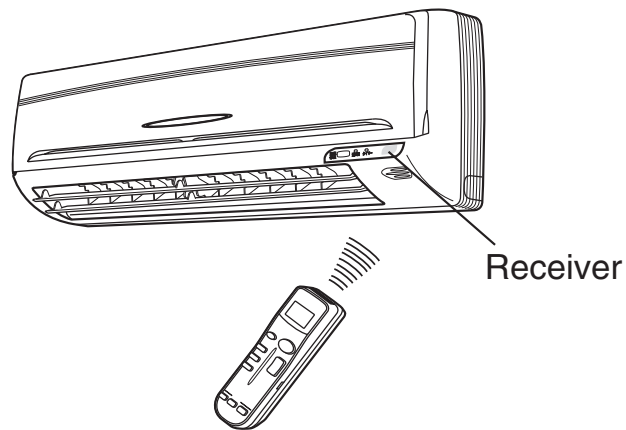
### ■ About batteries

- When replacing the batteries, use batteries of the same type, and replace the two old batteries together.
- When the system is not used for a long time, take the batteries out.
- We recommend replacing once a year, although if the remote controller display begins to fade or if reception deteriorates, please replace with new alkali batteries. Do not use manganese batteries.
- The attached batteries are provided for the initial use of the system.

The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

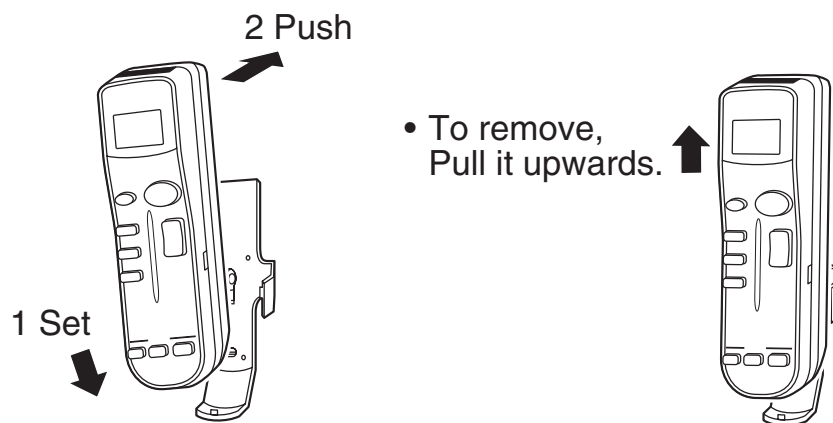
## ■ To operate the remote controller

- 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 7m.



## ■ 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, or similar location with the screws procured locally.
3. Place the remote controller on the bottom tabs of the remote controller holder and push.



## ATTENTION

### ■ About remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance to somewhere else, or consult the shop.

## ■ 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.
- 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.

Recommended temperature setting
For cooling: 26°C – 28°C
For heating: 20°C – 24°C

### ■ 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.
- If the flap opens, turn on the breaker to close it.
- Use the air conditioner in the following conditions.

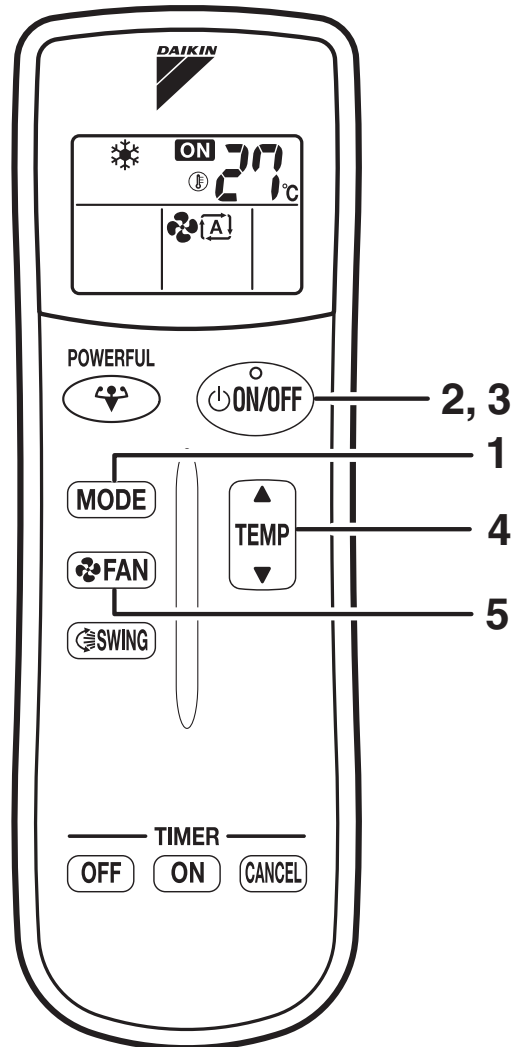
Mode	Operating conditions	If operation is continued out of this range
COOL	Outdoor temperature: 15 to 46°C Indoor temperature: 18 to 32°C Indoor humidity: 80% max.	<ul style="list-style-type: none"> <li>• A safety device may work to stop the operation.</li> <li>• Condensation may occur on the indoor unit and drip.</li> </ul>
HEAT	Outdoor temperature: –10 to 20°C Indoor temperature: 14 to 28°C	<ul style="list-style-type: none"> <li>• A safety device may work to stop the operation.</li> </ul>
DRY	Outdoor temperature: 15 to 46°C Indoor temperature: 18 to 32°C Indoor humidity: 80% max.	<ul style="list-style-type: none"> <li>• A safety device may work to stop the operation.</li> <li>• Condensation may occur on the indoor unit and drip.</li> </ul>

- Operation outside this humidity or temperature range may cause a safety device to disable the system.

## 6.2 AUTO • DRY • COOL • HEAT • FAN Operation

The air conditioner operates with the operation mode of your choice.

From the next time on, the air conditioner will operate with the same operation mode.





## ■ To start operation

### 1. Press “MODE selector button” and select a operation mode.

- Each pressing of the button advances the mode setting in sequence.

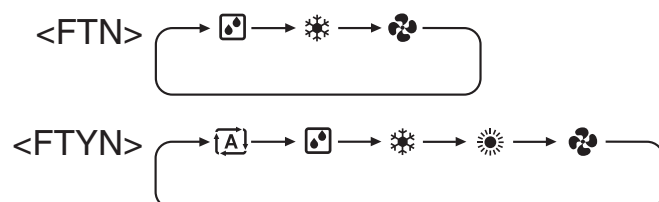
: AUTO

: DRY

: COOL

: HEAT

: FAN



### 2. Press “ON/OFF button” .

- The OPERATION lamp lights up.




## ■ To stop operation

### 3. Press “ON/OFF button” again.

- Then OPERATION lamp goes off.





## ■ To change the temperature setting

### 4. Press “TEMPERATURE adjustment button”.

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

## ■ To change the air flow rate setting

### 5. Press “FAN setting button”.

DRY mode	AUTO or COOL or HEAT or FAN mode
The air flow rate setting is not variable.	Three levels of air flow rate setting from “  ” to “  ” plus “  ” are available.
	

## ■ Settings using the indoor unit operation switches

The main body operation switch should only be used in emergencies when the remote control is lost or broken, its battery has run out, or it is otherwise unusable.

### Operation mode

- Pressing the main body operation switch cycles through the following operation modes.

Heat pump : cooling → off → heating → off → cooling

Cooling : cooling → off → cooling

Since the operation mode is not displayed, you have to judge what mode the unit is in by feeling whether the air coming out of the vent is cold or hot.

### Swing Setting

- The unit will operate with the previous setting.

## NOTE

- If the settings were made with the operation switch, the ON/OFF TIMER operation and NIGHT SET MODE are cleared.

## NOTE

### ■ Note on HEAT 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 COOL operation

- This air conditioner cools the room by blowing the hot air in the room outside, so if the outside temperature is high, performance drops.

### ■ Note on DRY operation

- The computer chip works to rid the room of humidity while maintaining the temperature as much as possible. It automatically controls temperature and fan strength, so manual adjustment of these functions is unavailable.

### ■ Note on AUTO operation

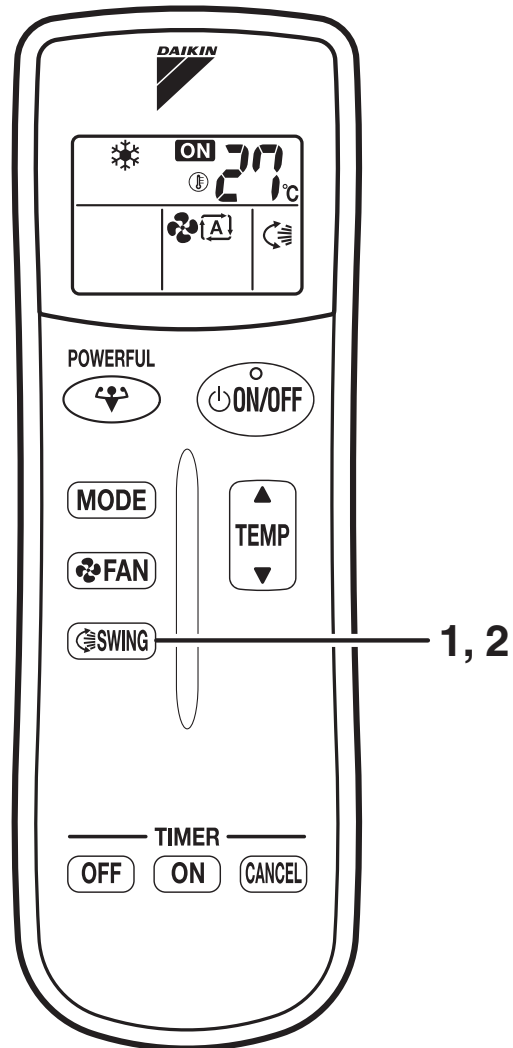
- In AUTO operation, the system selects an appropriate operation mode (COOL or HEAT) based on the room temperature at the start of the operation.
- The system automatically reselects setting at a regular interval to bring the room temperature to user-setting level.
- If you do not like AUTO operation, you can manually select the operation mode and setting you like.

### ■ Note on air flow rate setting

- At smaller air flow rates, the cooling (heating) effect is also smaller.


## 6.3 Adjusting the Air Flow Direction

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



## ■ To adjust the horizontal blades (flaps)

### 1. Press “SWING button”.

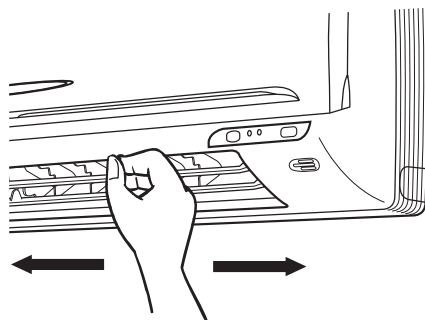
 The display will light up and the flaps will begin to swing.

### 2. When the flaps have reached the desired position, press “SWING button” once more.

The display will go blank.  
The flaps will stop moving.

## ■ To adjust the vertical blades (louvers)

Hold the knob and move the louvers.  
(You will find a knob on the left-side and the right-side blades.)



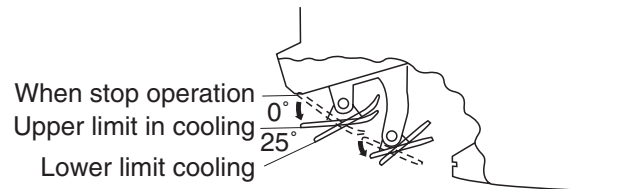
## Notes on flaps and louvers angles

- When “**SWING button**” is selected, the flaps swinging range depends on the operation mode. (See the figure.)

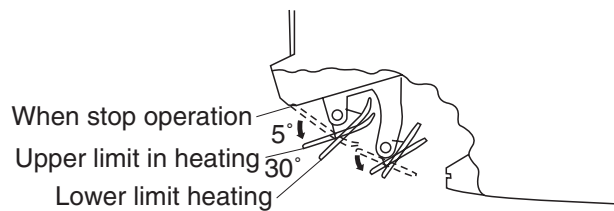
### ■ ATTENTION

- Always use a remote controller to adjust the flaps angle. If you attempt to move it forcibly with hand when it is swinging, the mechanism may be broken.
- Be careful when adjusting the louvers. Inside the air outlet, a fan is rotating at a high speed.
- When changing the operation mode in automatic operation, the swings may move in order to correct the angle.

In DRY mode or COOL mode

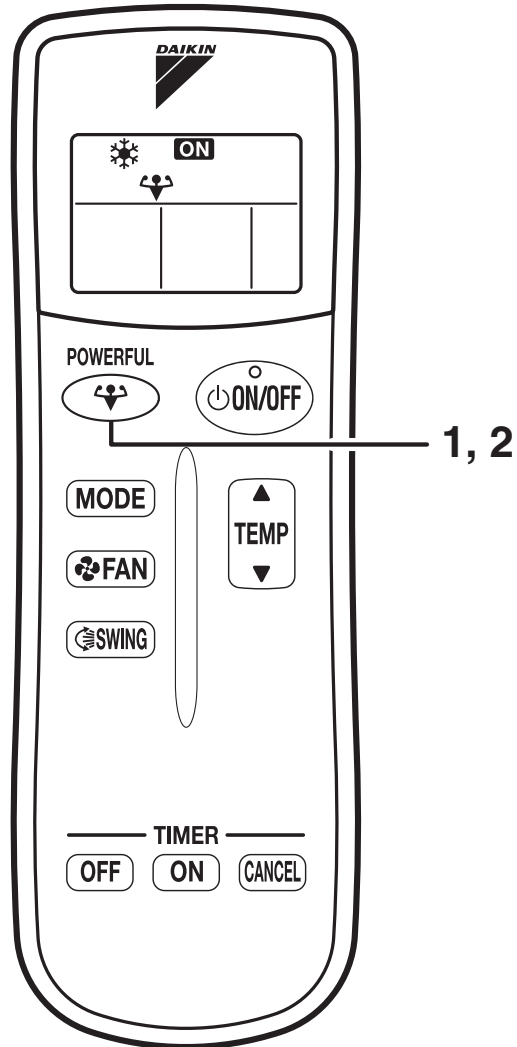


In HEAT or FAN mode



## 6.4 POWERFUL Operation


POWERFUL operation quickly maximizes the cooling (heating) effect. You can get the maximum capacity.





## ■ To start POWERFUL operation

### 1. Press “POWERFUL button”.

- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the settings which were used before POWERFUL operation.
- When using POWERFUL operation, there are some functions which are not available.
- “” is displayed on the LCD.

## ■ To cancel POWERFUL operation

### 2. Press “POWERFUL button” again.

- “” disappears from the LCD.

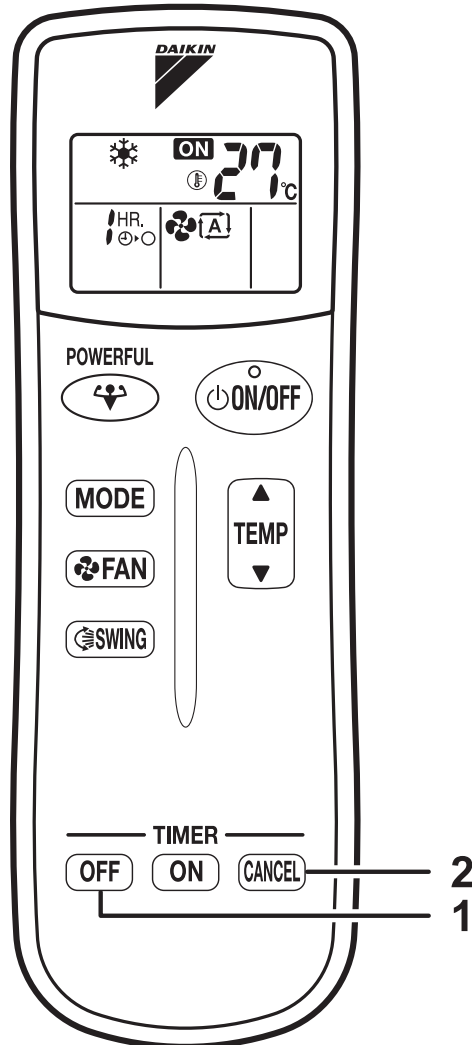
## NOTE

### ■ Notes on POWERFUL operation

- POWERFUL operation is not available in modes other than cooling or heating.
- **In COOL and HEAT mode**  
To maximize the cooling (heating) effect, the air flow rate be fixed to the maximum setting.  
The temperature and air flow settings are not variable.

## 6.5 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.



## ■ To use OFF TIMER operation

### 1. Press “OFF TIMER button”.



- The time changes in 1 hour increments every time the button is pushed, with a maximum of 9 hours.

## ■ To cancel the OFF TIMER operation

### 2. Press “CANCEL button”.

- The TIMER lamp goes off.

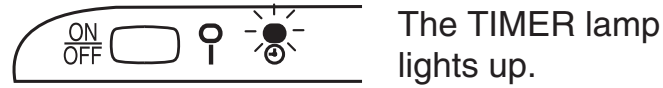
## NOTE

### ■ NIGHT SET MODE

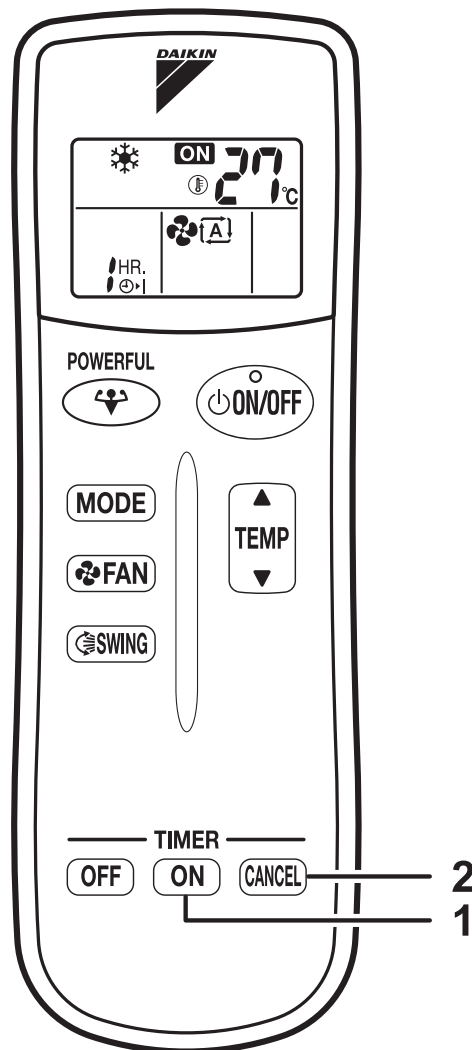
When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (1.0°C up in COOL, 1.0°C down in HEAT) to prevent excessive cooling (heating) for your pleasant sleep.

## ■ To use ON TIMER operation

### 1. Press “ON TIMER button”.



- The time changes in 1 hour increments every time the button is pushed, with a maximum of 12 hours.



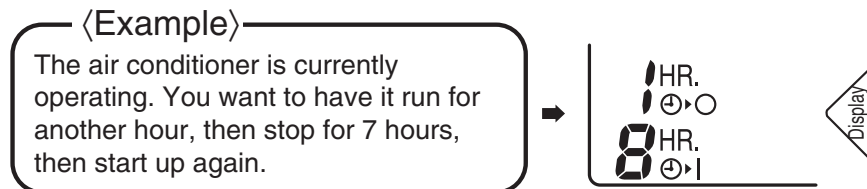
## ■ To cancel ON TIMER operation

### 2. Press “CANCEL button”.

- The TIMER lamp goes off.

## ■ To combine ON TIMER and OFF TIMER

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



## ATTENTION

### ■ In the following cases, set the timer again.

- After a breaker has turned OFF.
- After a power failure.
- After replacing batteries in the remote controller.