



# LG

## Single Package Type Air Conditioner

### ***OWNER'S MANUAL***

LG

#### **IMPORTANT**

Please read through this manual. It contains valuable information about your air conditioner. This manual may help save time and money by explaining proper product maintenance and preventing improper use.

#### **PRECAUTIONS**

Pay close attention to precautions in order to prevent potential hazards and damage from misuse or improper installation. LG is not responsible for any damages caused by misuse of the product.

Prior to installation, this air-conditioning unit must be submitted for approval by the utility service which provides electricity (EN 61000-3 Norm.)

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- h. Operation Procedure

## 3. Care and Maintenance

## 4. Troubleshooting Tips Before You Call For Service



## **F**or Your Records

Write the model and serial numbers here:

**Model #**

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**Serial #**

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You can find them on a label on the side of each unit.

**Dealer's Name**

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**Date Purchased**

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## **R**ead This Manual

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner.

You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of **Troubleshooting Tips** first, you may not need to call for service at all.

## **CAUTION**

- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- The air conditioner is not intended for use by young children or invalids without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- When the power cord is to be replaced, replacement work shall be performed by authorized personnel only.
- Installation work must be performed in accordance with the national wiring standards by authorized personnel only.

To prevent injury and property damage, follow these instructions.

■ Incorrect operation due to ignoring instructions will cause harm or damage, the seriousness of which is indicated by the following symbols.



**WARNING** This symbol shows the possibility of death or serious injury.



**CAUTION** This symbol indicates the possibility of injury or damage to property.

## Installation precautions



### WARNING

■ **Do not install, remove and reinstall the unit by yourself.**

- Improper installation will cause water leakage, electrical shock, or fire. Please consult authorized dealer or specialist for the installation work. Please note fault caused by improper installation is not covered by warranty.
- Unit must be installed in an easily accessible area. Any additional cost required to hire a special equipment to service the unit will be the responsibility of the customer.



### WARNING

Do not insert hands through Discharge Grille when the air conditioner is operating.

- It will cause an injury by the fan.

Do not step on the unit and do not put anything on it.

- It may cause an injury.

Do not operate with wet hand.

- It will cause electrical shock.

When the air filter is to be removed, do not touch the moving parts or electric parts of the unit.

- It may cause an injury.
- Be sure to disconnect all electric power before filter cleaning.

When the unit is not going to be used for a long time, turn off the circuit breaker.

- If not, dirt may collect and cause a fire.

When an abnormality (smell of burning, etc) occurs, stop the air conditioner and turn off the circuit breaker.

- If the unit continues to operate in an abnormal condition, it may cause fire, damage, etc. In this case, consult your dealer.

Repair or relocation should not be done by the customer.

- If these are done incorrectly, it may cause a fire, electric shock, injury. Consult your dealer.

## ⚠ CAUTION

- Contact the authorized Service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- The air conditioner is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.

## ⚠ CAUTION

Do not clean the air conditioner with water.

- Water may enter the unit and degrade the insulation. It may cause an electric shock.

Ventilate well when used together with a stove, etc.

- An oxygen shortage may occur.

When the unit is to be cleaned, switch off, and turn off the breaker.

- Since the fan rotates at high speed during operation, it may cause an injury.

Do not put a pet or house plant where will be exposed to direct air flow.

- This could injure the pet or plant.

Do not apply an insecticide or flammable spray.

- It may cause a fire or deformation of the cabinet.

Do not leave on installation stand which is damaged.

- The unit may drop or fall down and cause an injury.

Do not put a stove, etc. where is exposed to direct air flow.

- It may cause imperfect combustion.

When the unit is not going to be used for a long time, turn off the breaker.

- It may cause an injury.

Do not step on the unit and do not put anything on it.

- It may cause an injury through dropping or falling down.

Do not operate for a long time in high humidity, e.g. leaving a door or window open.

- In the cooling mode, if it is operated in a room with high humidity (80%r.h. or more) for a long time, water condensed in the air conditioner may drop and may wet and spoil furniture, etc.

Do not step onto an unstable bench when attaching/detaching the panel.

- It may cause an injury, etc. by falling down.

Do not use for special purposes.

- Do not use this air conditioner to preserve precision devices, food, animal, plants and art objects. It may cause deterioration of quality, etc.

If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer of its service agent.

- It will cause electrical shock or fire.

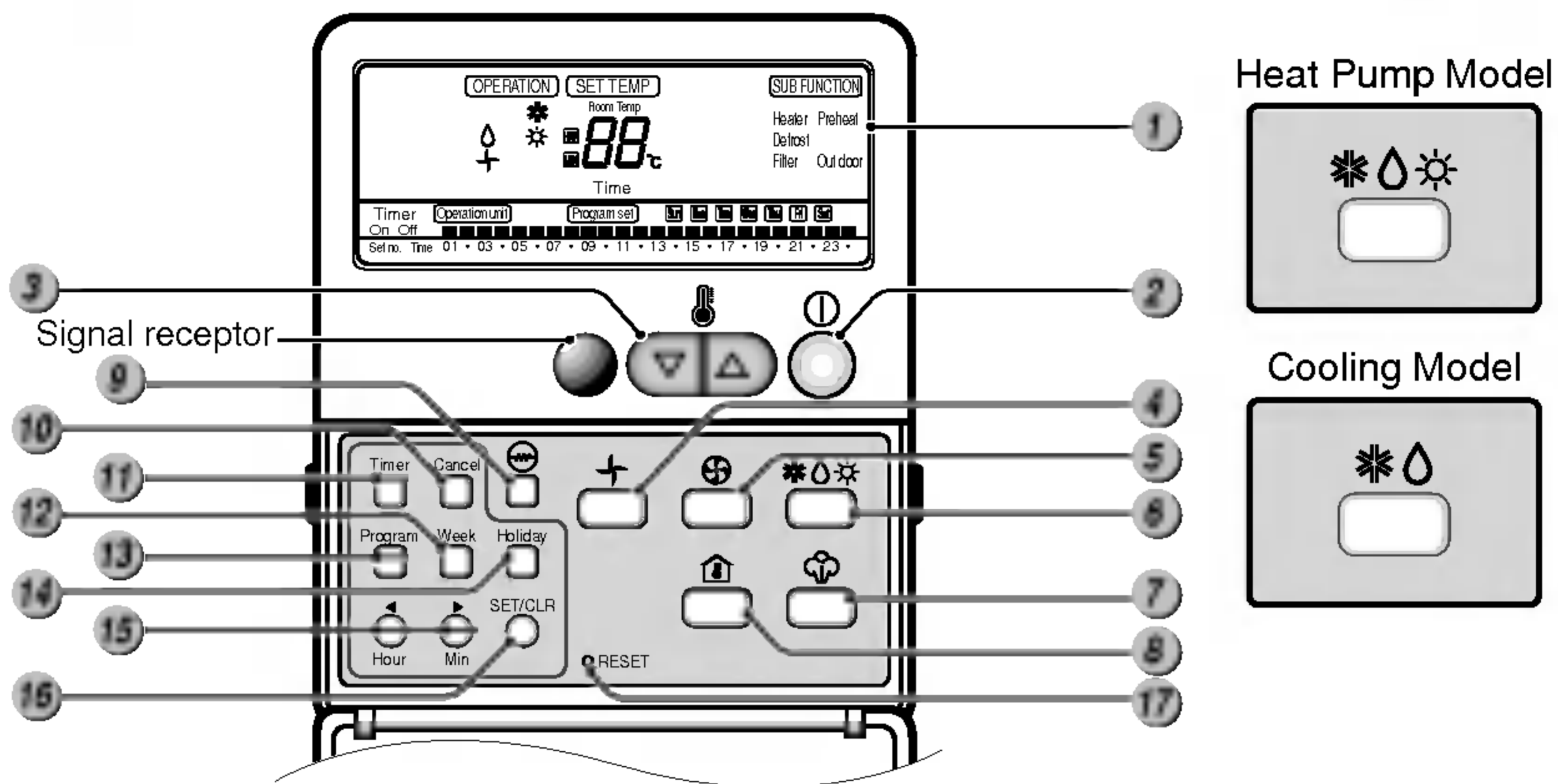
When the air filter is to be removed, do not touch the metal parts of the unit.

- It may cause an injury.

Do not insert hands through vanes when the air conditioner is operating.

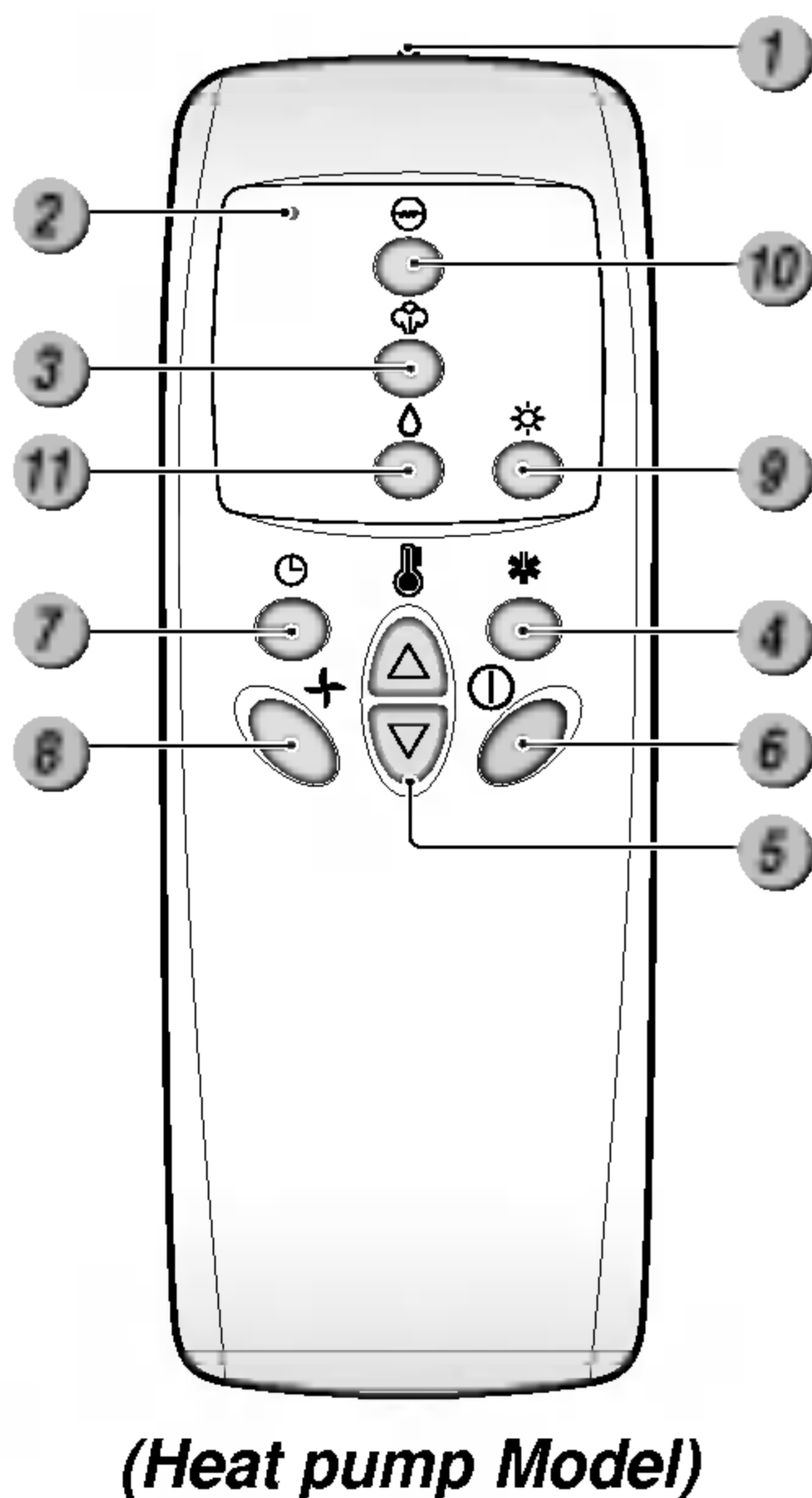
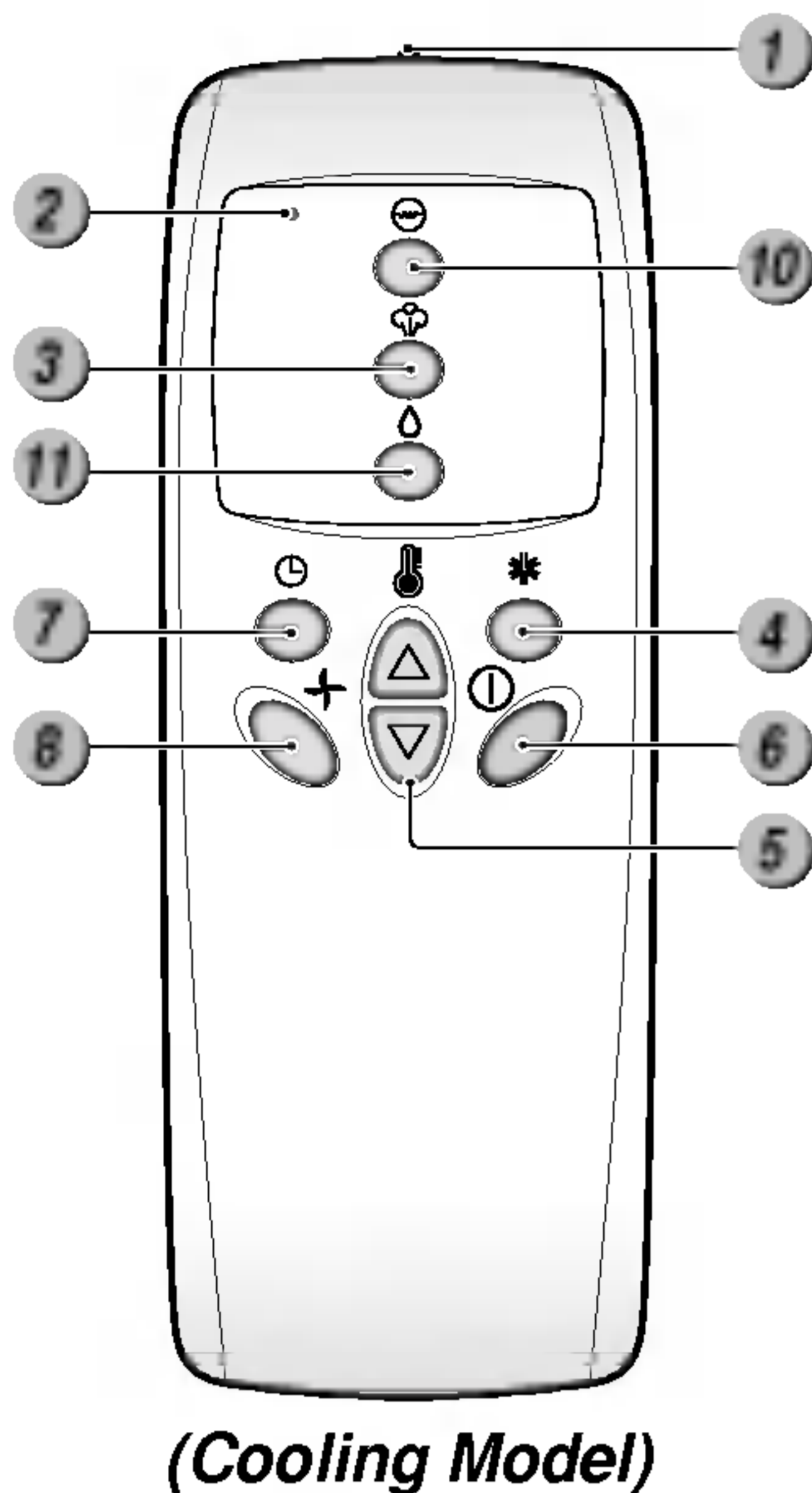
- It will cause an injury by the rotating blower.

Remote Controller



- 1 Operation display**  
Displays the operation conditions.
- 2 On/Off Button**  
Operation starts when this button is pressed, and stops when the button is pressed again.
- 3 Set Temperature Button**  
Used to set the temperature when the desired temperature is obtained.
- 4 Fan Operation Button**  
Used to circulate room air without cooling or heating.
- 5 Fan Auto Button**
  - Fan AUTO operation mode  
Used to turn the indoor fan motor to on/auto operation mode by alternate pressing.
  - Fan ON operation mode
- 6 Operation Mode Selection Button**  
Used to select the operation mode.
  - Cooling Operation Mode
  - Soft Dry Operation Mode
  - Heating Operation Mode(except cooling model)
- 7 Humidify Button**
- 8 Room Temperature Checking Button**  
Used to check the room temperature.
- 9 Heater Button**
- 10 Timer Cancel Button**  
Used to cancel the timer.
- 11 Timer Set Button**  
Used to set the timer when the desired time is obtained.
- 12 Week Button**  
Used to set a day of the week.
- 13 Program Button**  
Used to set the weekly timer.
- 14 Holiday Button**  
Used to set a holiday of the week.
- 15 Time Set Button**  
Used to set the time of the day and change the time in the weekly timer Function.
- 16 Set and Clear Button**  
Used to set and clear the weekly timer.
- 17 Reset Button**  
Used to set the current time and clear the setting time.

\* Display temperature can be different from actual room temperature if the remote controller is installed at the place where sun-rays are falling directly or the place nearby heat source.



**1 Signal Transmitter**

- Transmits the signals to the package air conditioner

**2 Operation Display of the Remote Control**

**3 Humidify Button**

**4 Cooling ON Button**

**5 Temperature Setting Buttons**

**6 Power ON/OFF Button**

- Operation will start when this button is pressed, and stop when the button is pressed again.

**7 Timer Set Button**

- Each time the button is pressed, the mode is changed in the following process.  
Timer set (1, 2, 3, 4, 5, 6, 7 hours)  
If you select "0:00" the off Timer function will be canceled.

**8 Indoor Fan Operation Button**

**9 Heating Button (Heat Pump Model Only)**


**10 Electric Heater ON/OFF Button(Optional)**

**11 Soft Dry Operation Button**

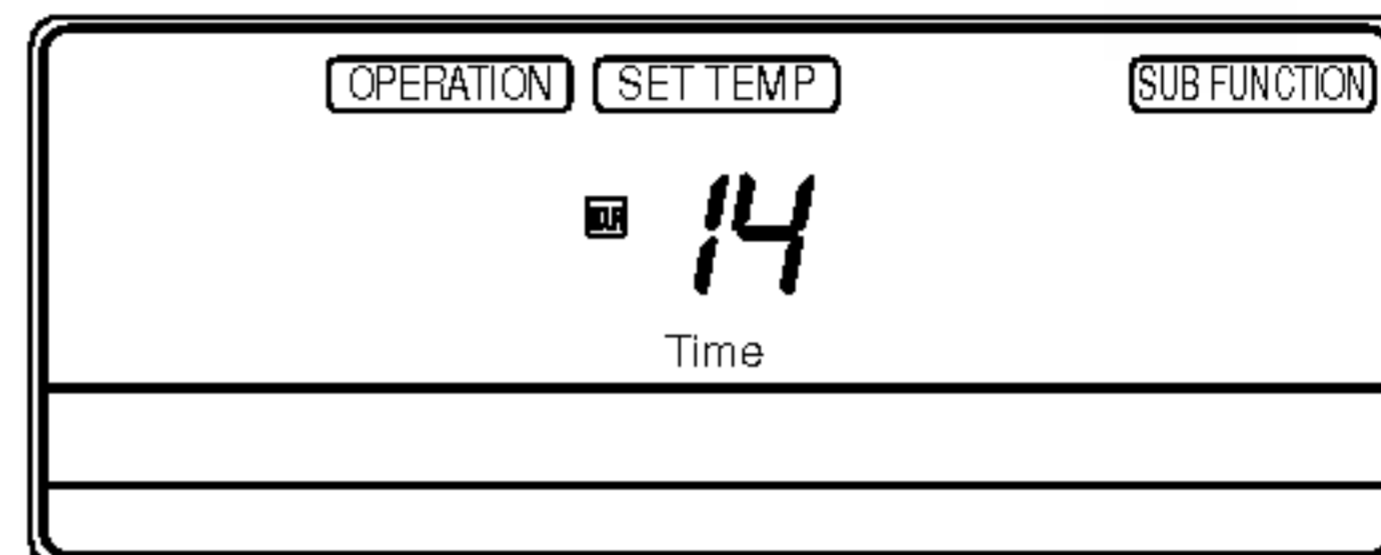
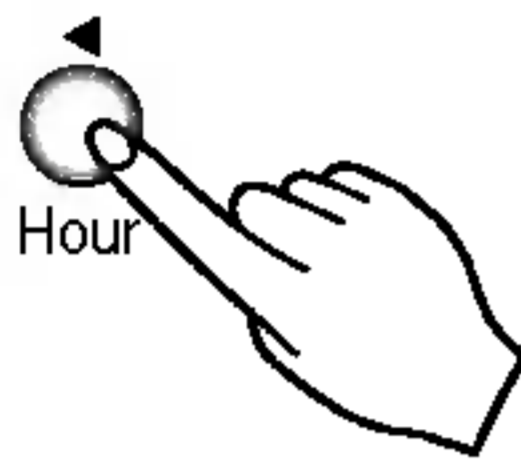
*Wireless Remote Control Puts all functions at your fingertips*


**Handling the remote control**

- Aim at the signal receptor on the package air conditioner when operating.
- The remote control signal can be received at a distance of up to about 7meters.
- Be sure that there are no obstructions between the remote control and the signal receptor.
- Do not drop or throw the remote control.
- Do not place the remote control in a location exposed to direct sunlight, or next to a heating unit, or other heat source.

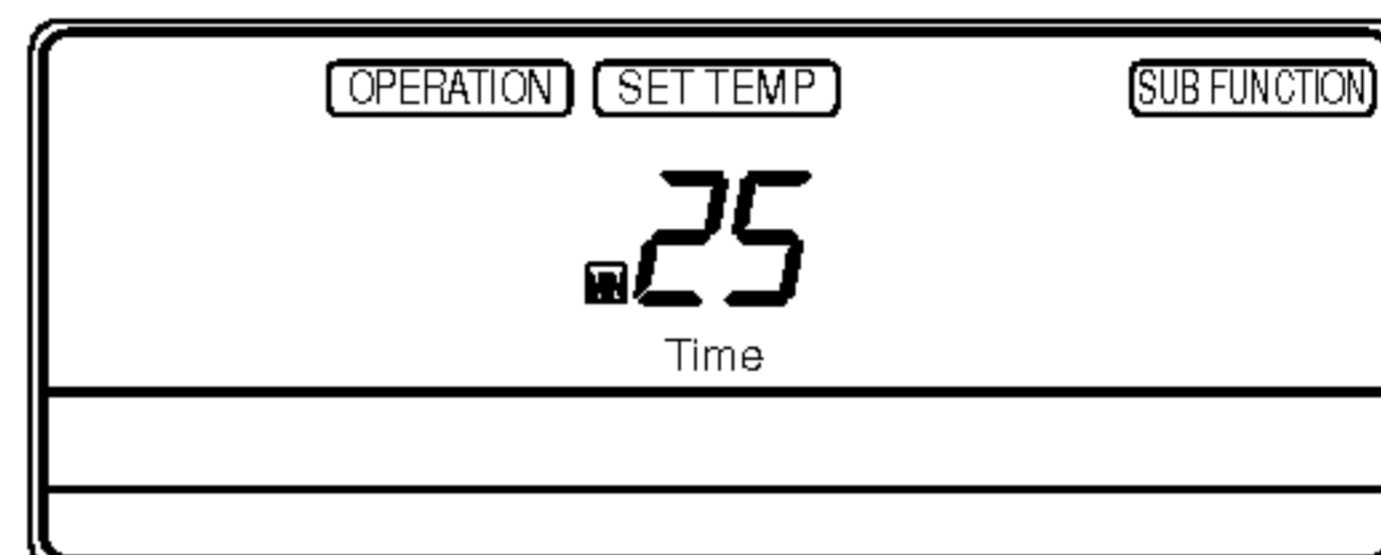
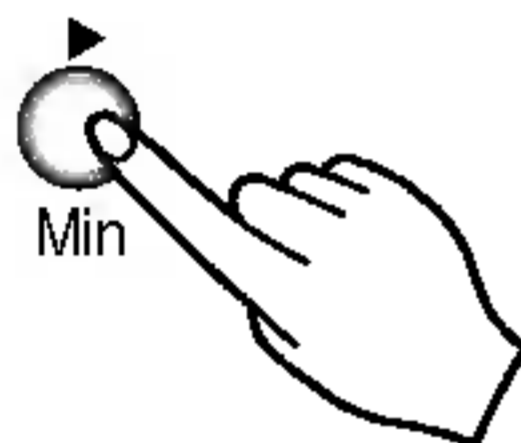
**1** Press the '  ' button.


Each time the button is pressed, the number is changed from **00** to **23**.  
You can set the number of the current hour.



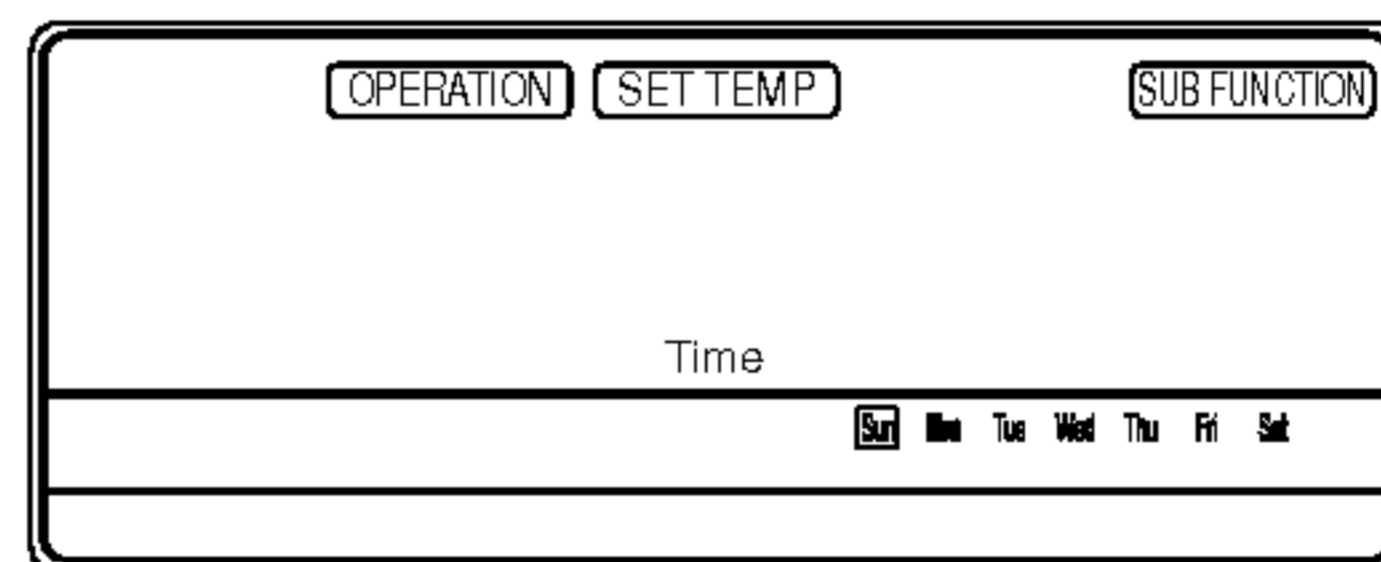
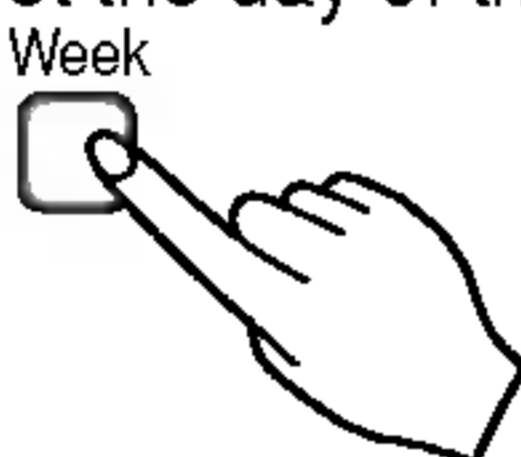
**2** Press the '  ' button.

Each time the button is pressed, the number is increased from **00** to **59**.  
You can set the number of the current minute.



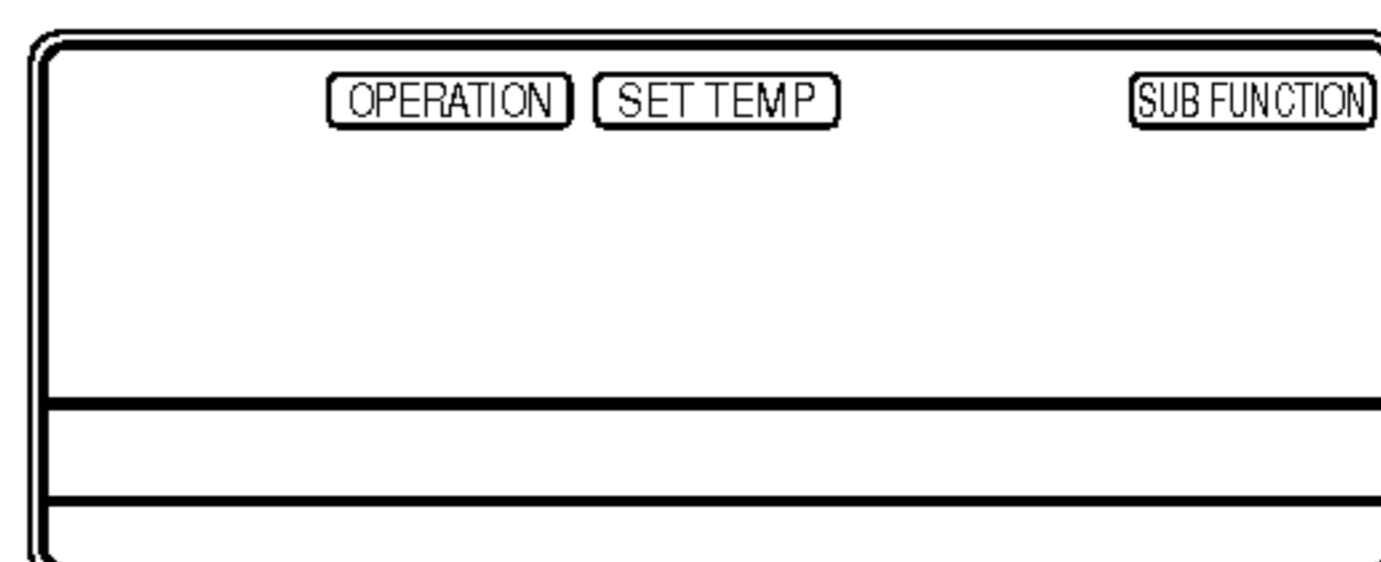
**3** Press '  ' button.

Each time the button is pressed, a day of the week is shifted from Sunday to Saturday.  
You can set the day of the week.



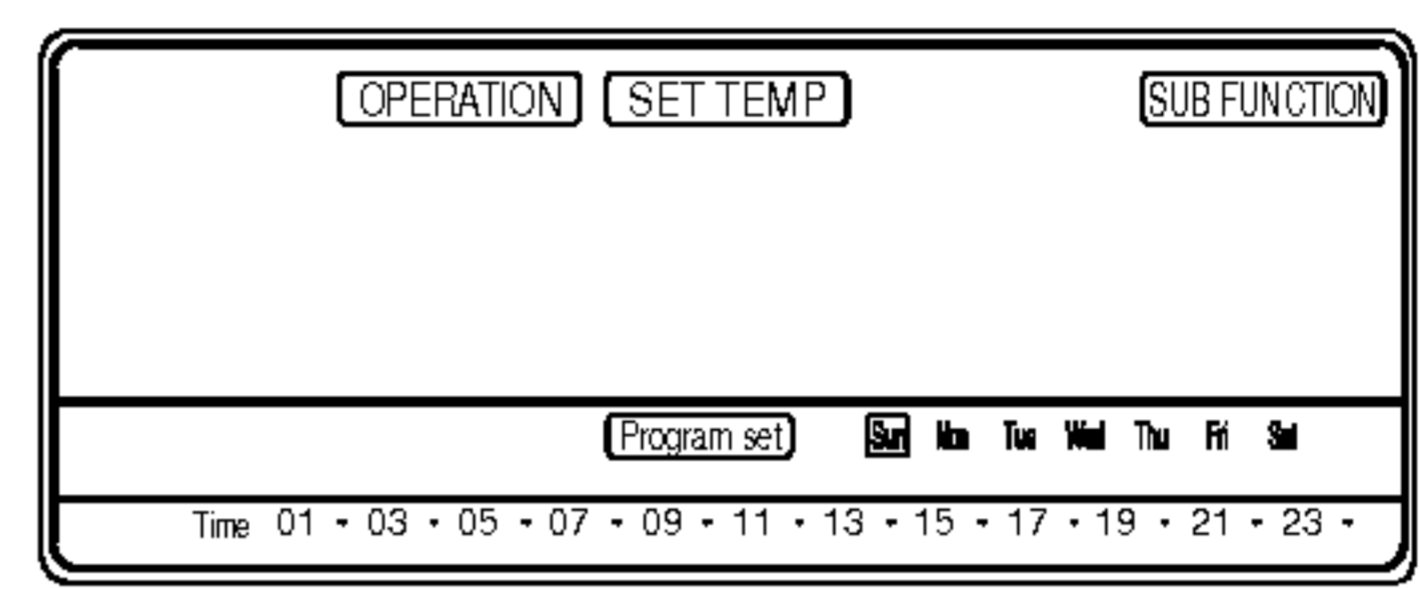
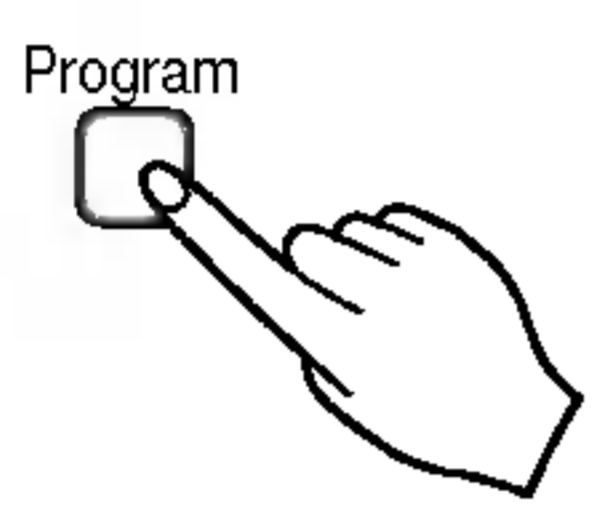
**4** Press the '  ' button.

If you want to reset the current time and a day of the week, click the Reset button.



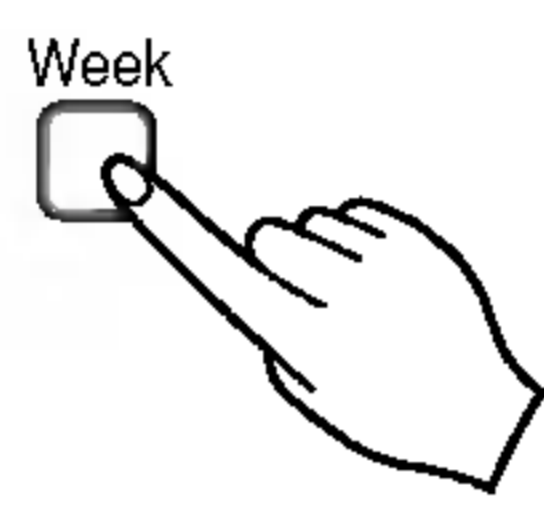
**1** Press the Program button.

The remote controller is displayed like a picture. Then ' Program set ', ' Sun ' and '01' is blinked.

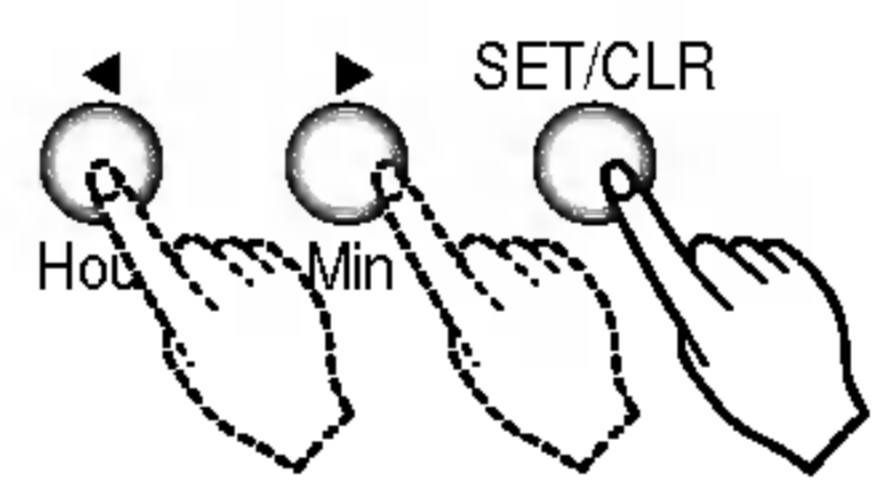


**2** Press the ' Week ' button.

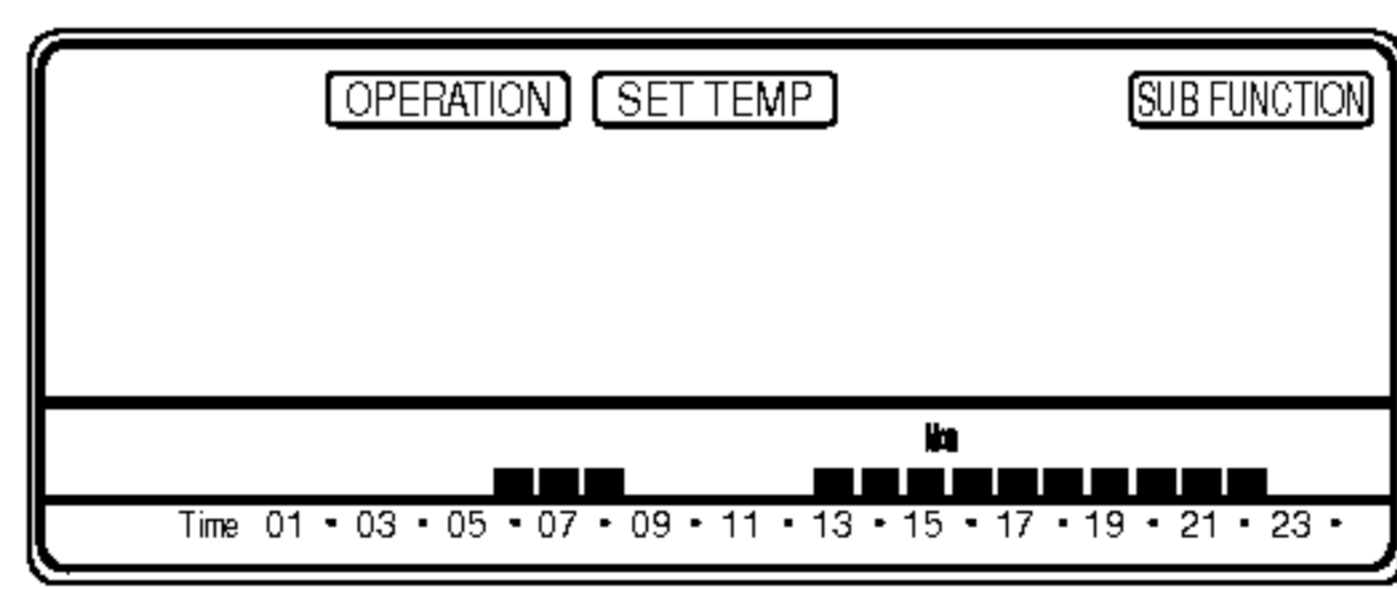
Select Monday.



**3** Change the timer setting until the desired time is set.  
After you select a time, push the SET/CLR button once or one more time.



For Example if the air-conditioner is turned on from 6 to 8 and from 13 to 22 and turned off at other time monday, display is as follows. (black bar indicates turn-on, white bar indicates turn-off.)



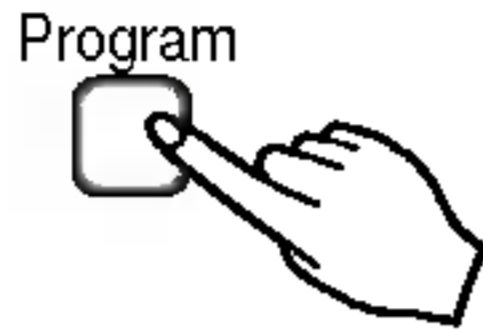
**4** You can set turn on and turn off time by the day in a week as above.



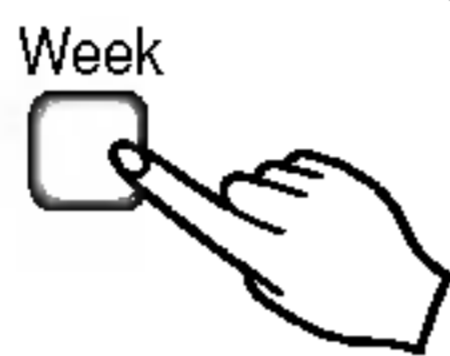
## Holiday Setting

If Tuesday is a holiday in this week, you may set a holiday.

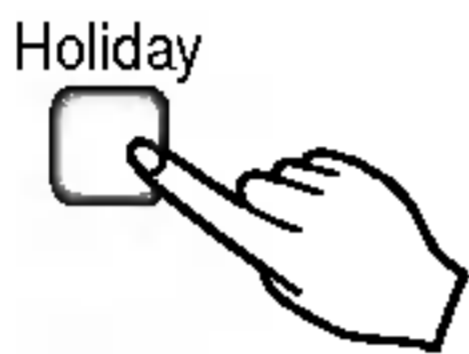
1 Press the Program button.



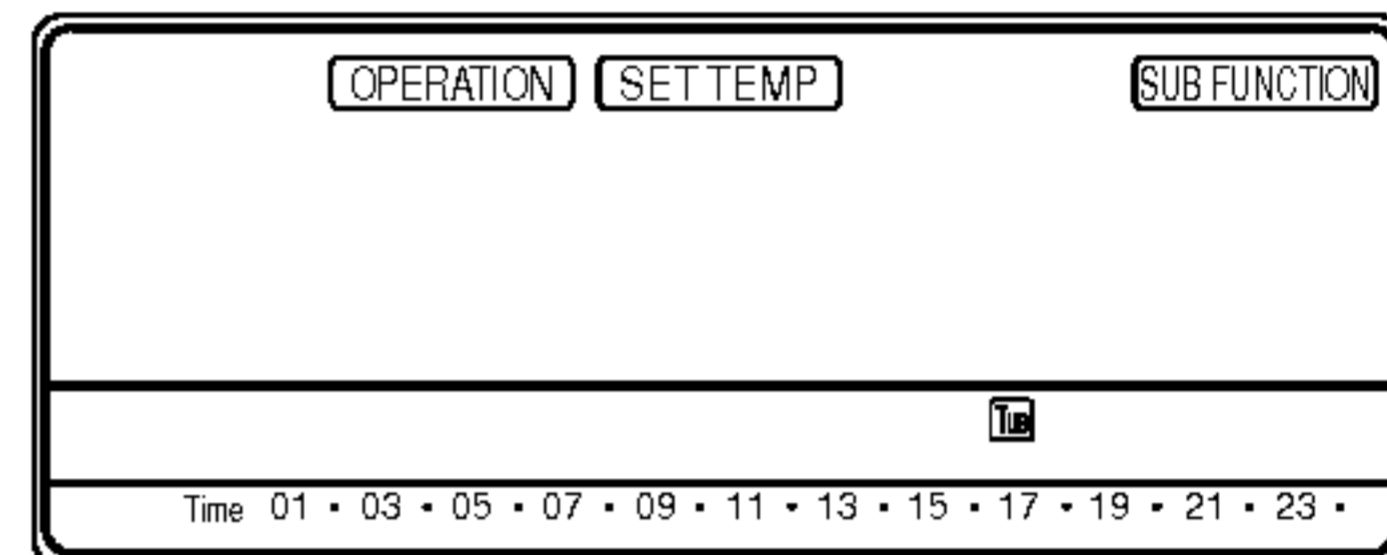
2 Press the Week button.  
Select the Tuesday.



3 Press the Holiday button.



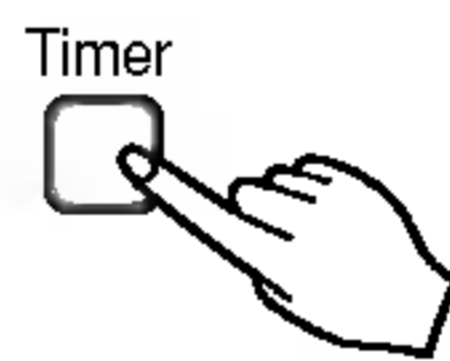
Then the remote controller will be displayed 'Tue'.  
The outside rectangular means holiday.



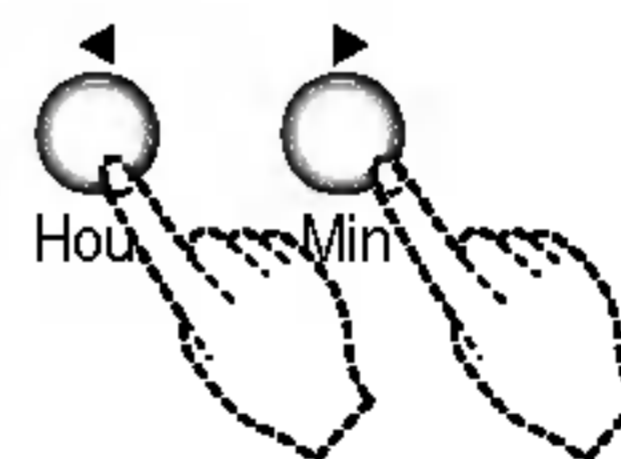
## Timer Setting(Delay start/Pre-set stop)

This function is used to turn on or turn off in several hours.

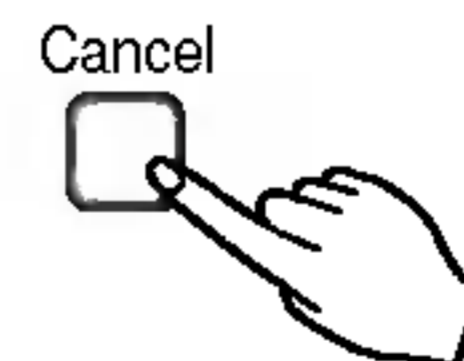
1 Press the Timer button to turn Timer on or off.



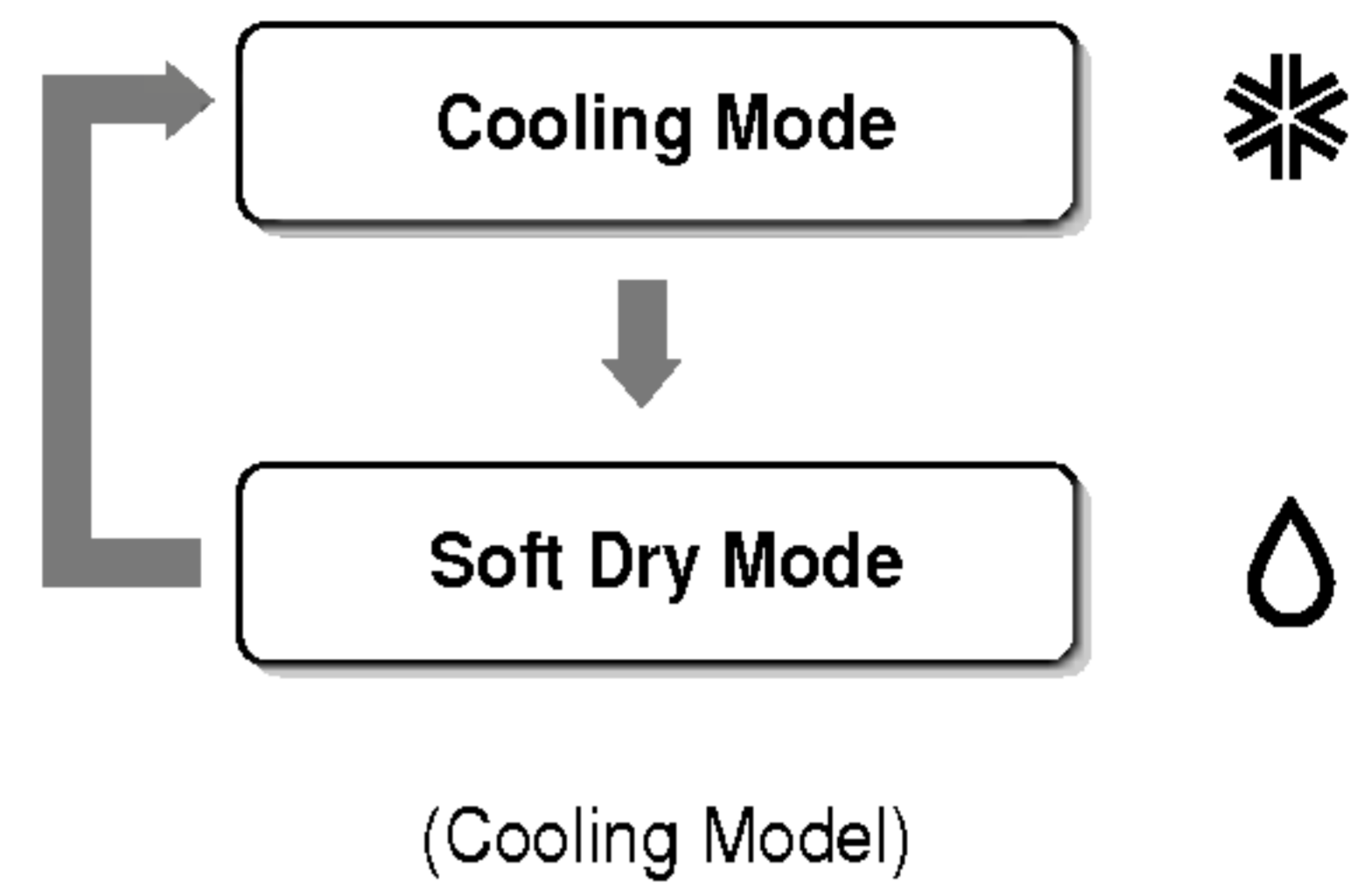
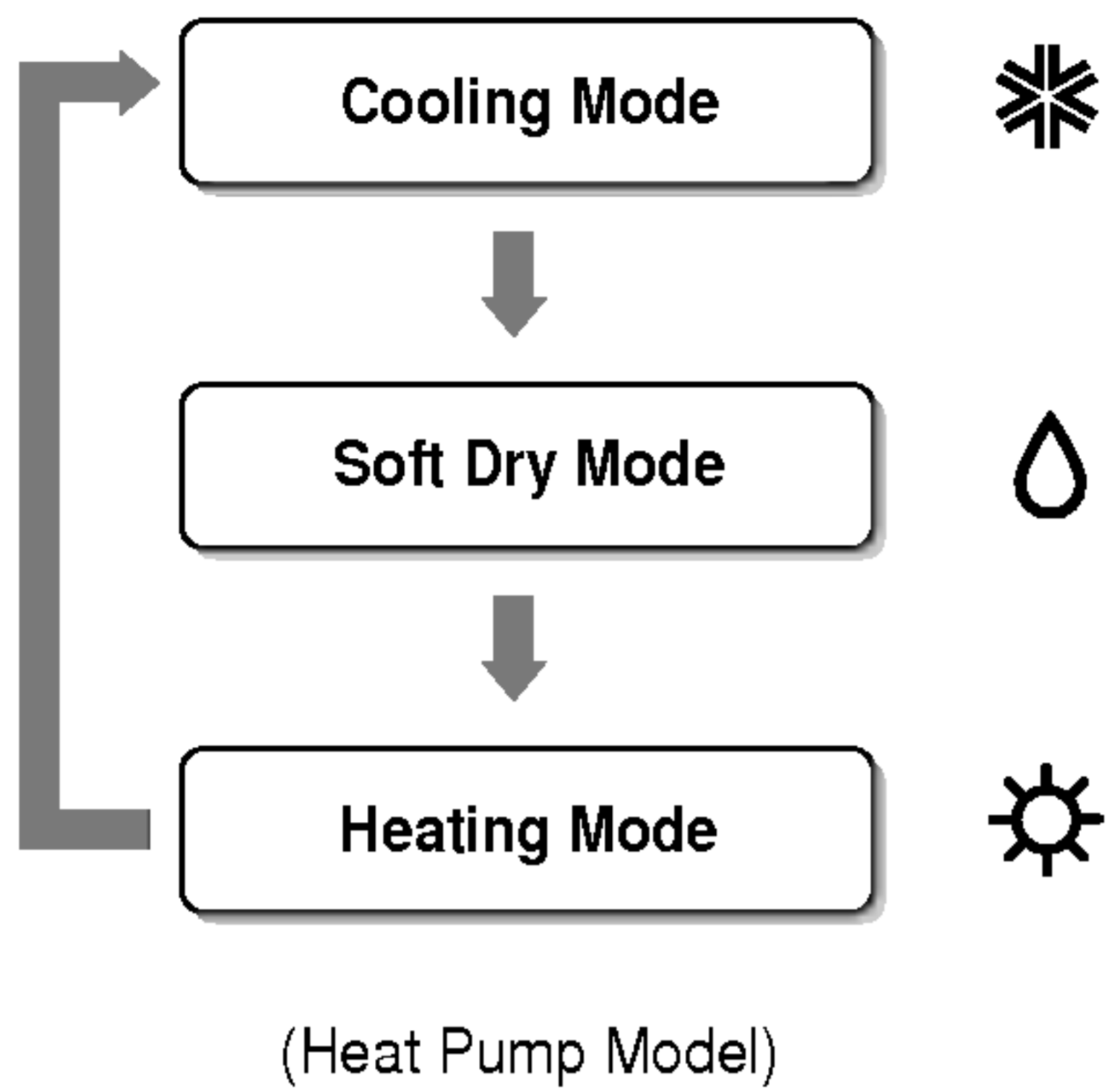
2 Change the timer setting until the desired time is set.



3 If you want to cancel the timer setting, press the Cancel button.



## Operation Mode



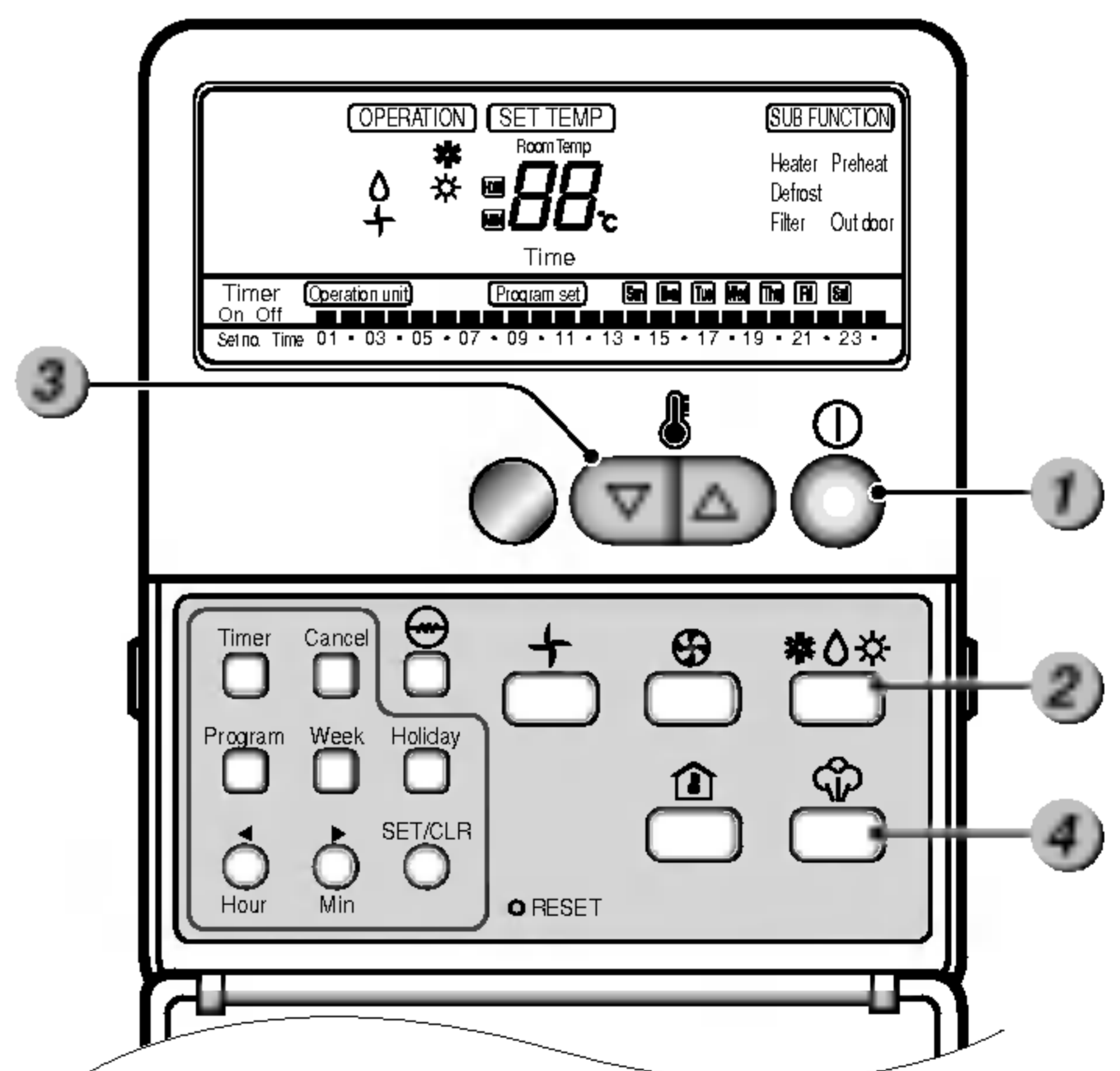
## Operation Procedure

1 On/Off Button

2 Operation Mode Selection Button

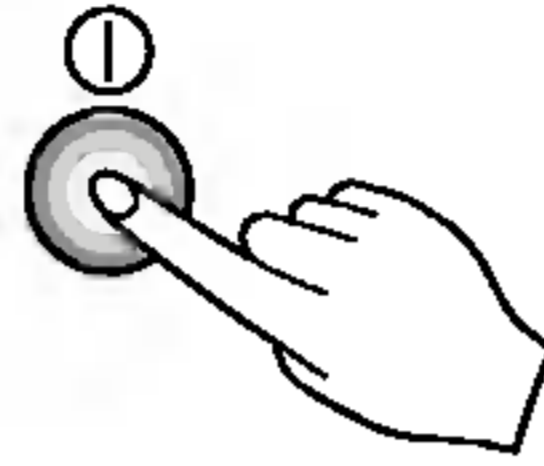
3 Room Temperature Setting Button

4 Humidify Button



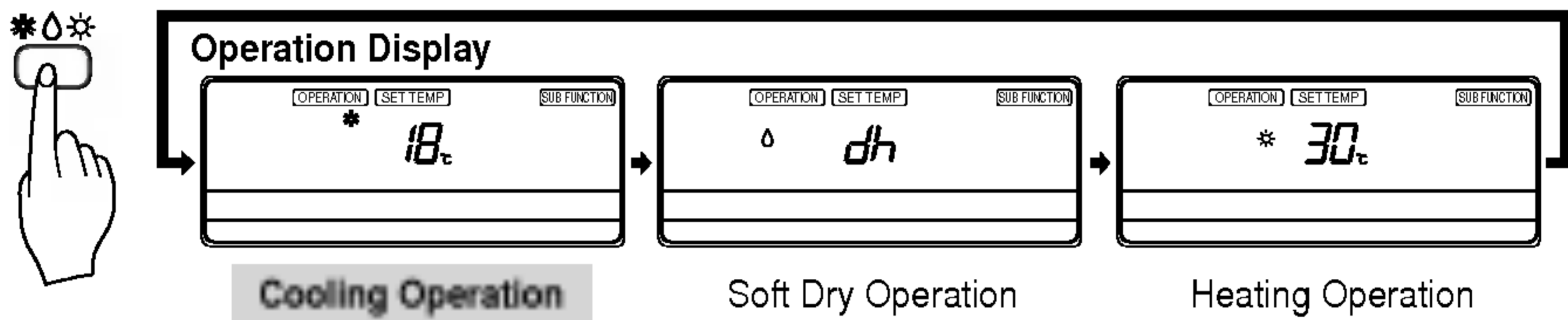
## Cooling Operation Mode

- 1** Press the On/Off Button.

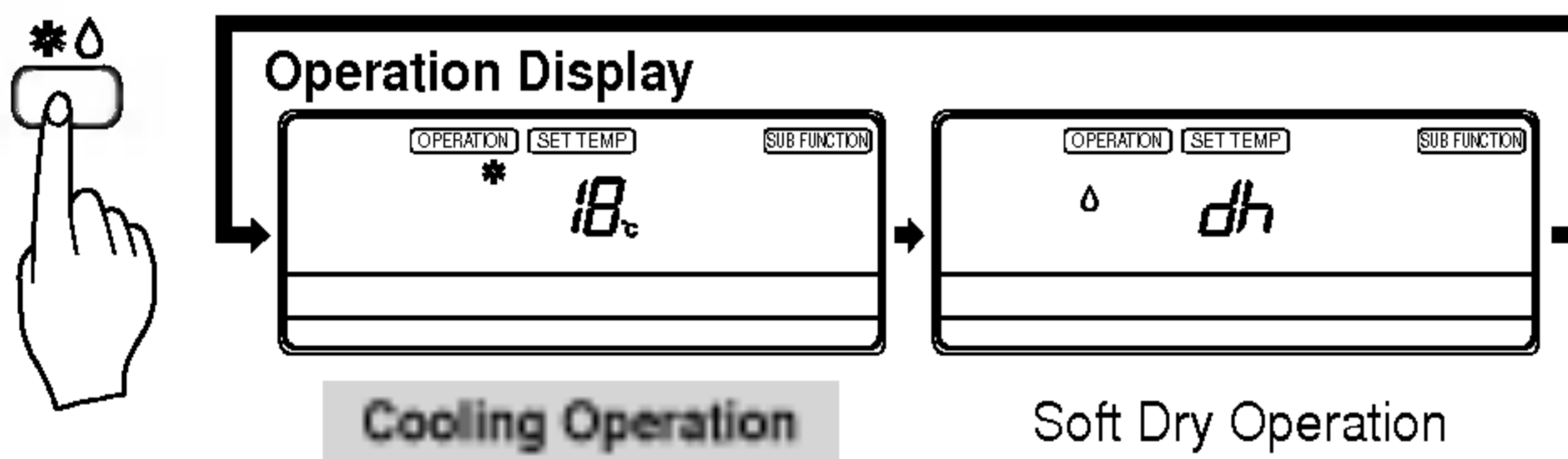


- 2** Select Cooling Operation.  
Press the Operation Mode Selection Button.  
Each time the button is pressed, the operation mode is shifted in the arrow direction.

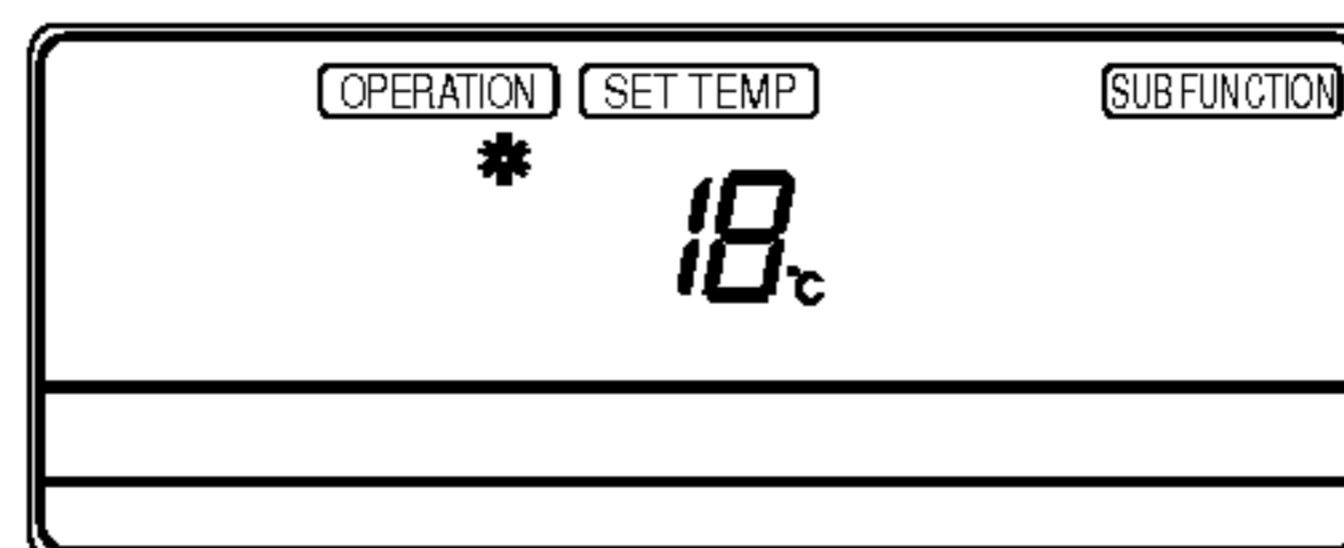
### HEAT PUMP MODEL



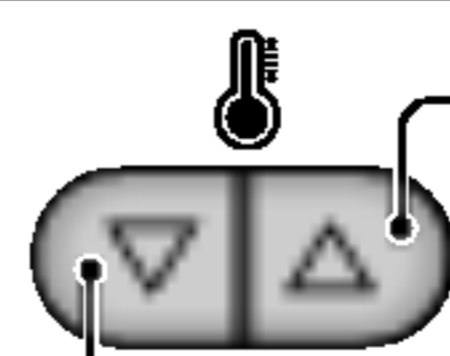
### COOLING MODEL



- 3** Set the temperature lower than the room temperature.



- The temperature can be set within a range of 18°C ~ 30°C by 1°C .



To raise the Temperature.

To lower the Temperature.

## Soft Dry Operation Mode

This mode dehumidifies without overcooling.

- 1 Press the On/Off Button.

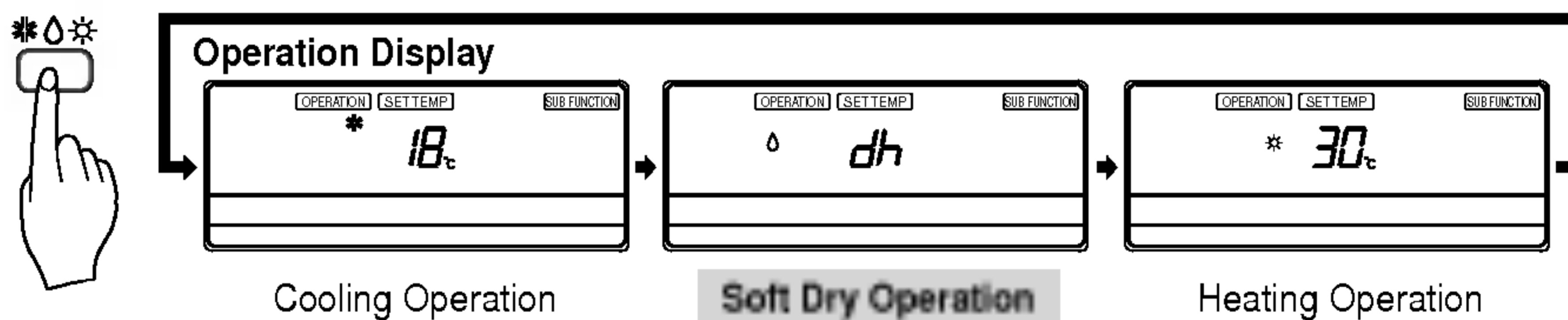


- 2 Select Soft Dry Operation.

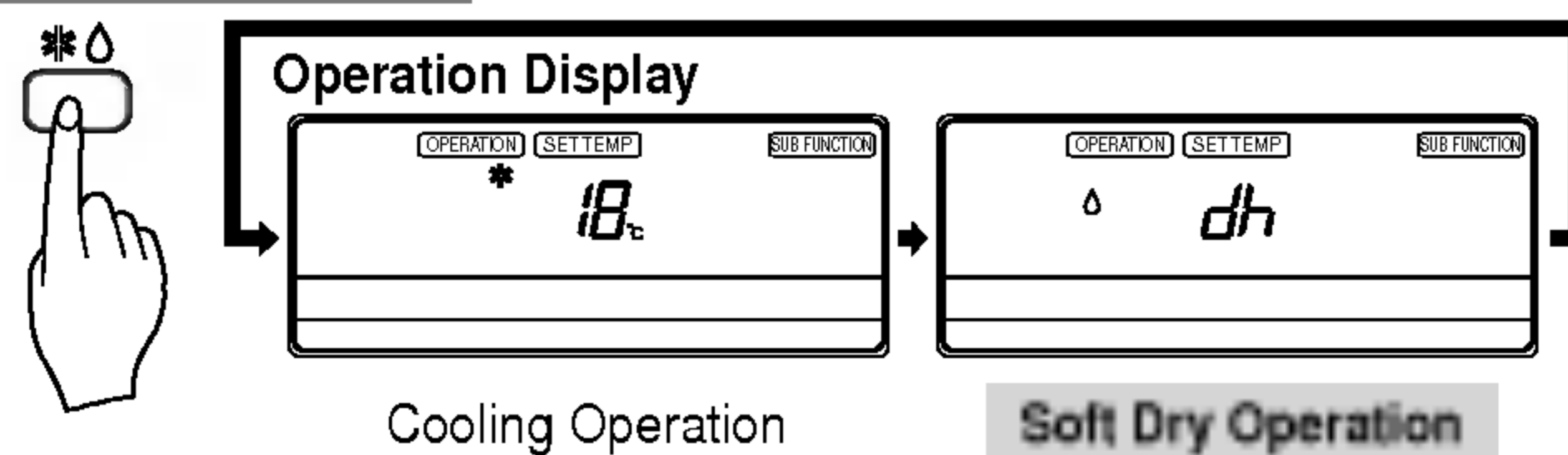
Press the operation Mode Selection Button.

Each time the button is pressed, the operation mode is shifted in the arrow direction.

### HEAT PUMP MODEL



### COOLING MODEL

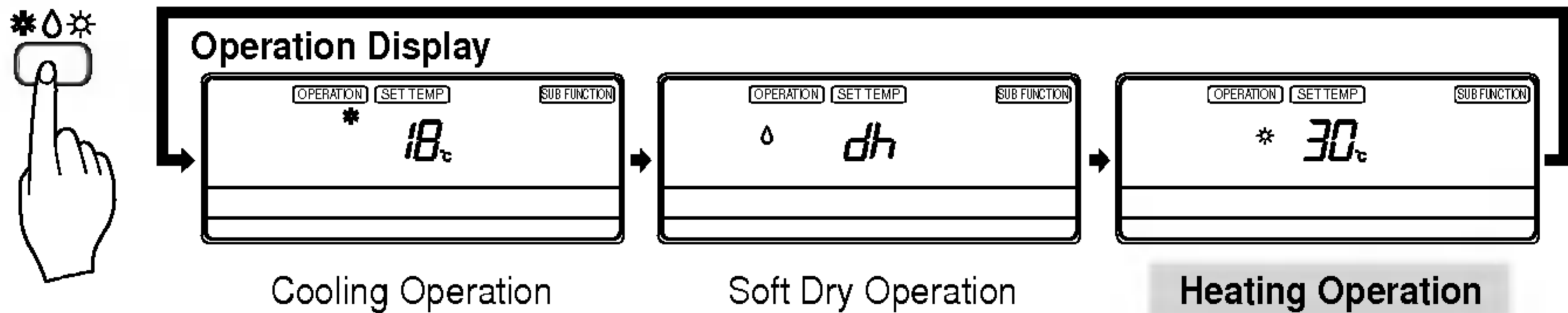


## Heating Operation Mode(Heat pump model only)

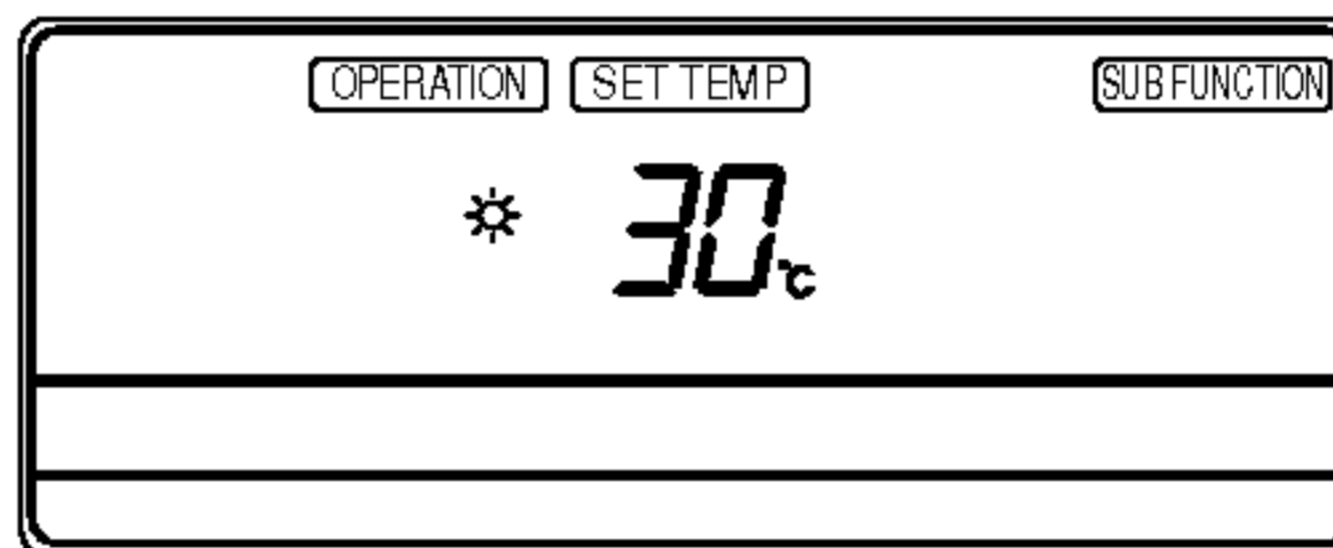
- 1** Press the On/Off Button.



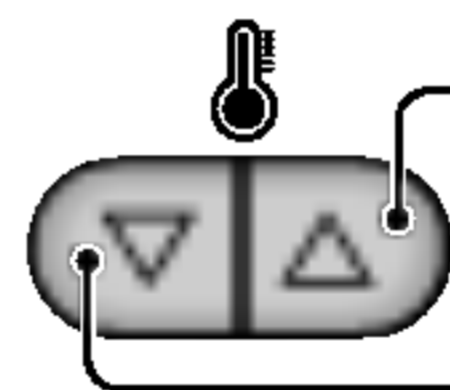
- 2** Select Heating Operation.  
Press the Operation Mode Selection Button.  
Each time the button is pressed, the operation mode is shifted in the arrow direction.



- 3** Set the temperature.



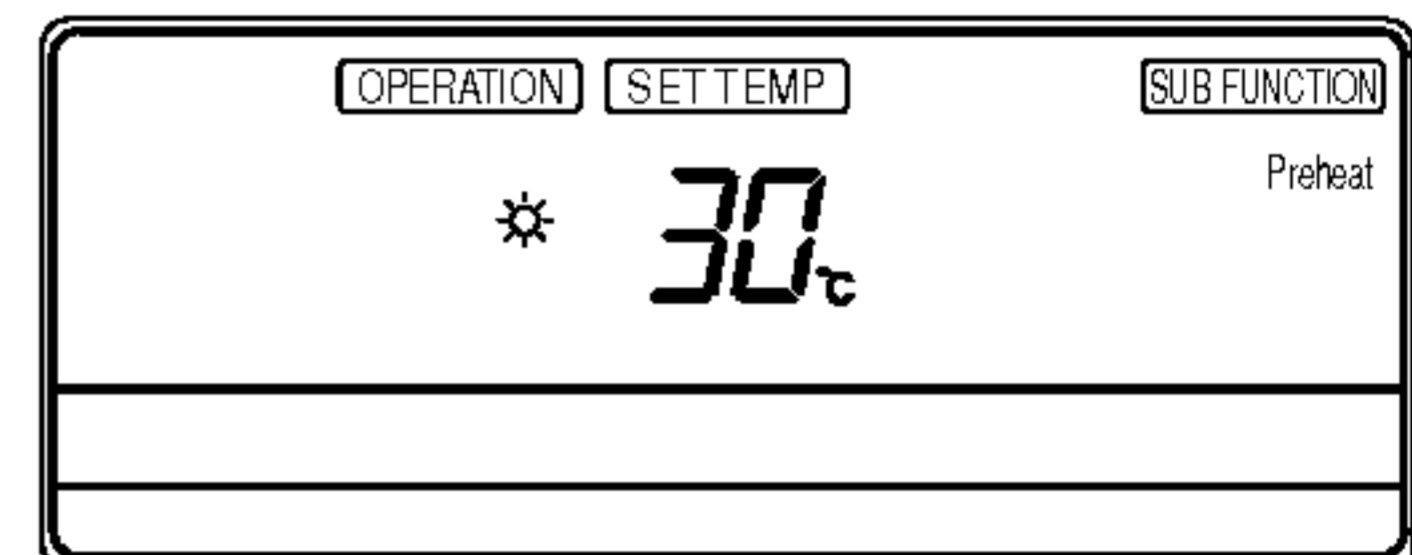
- The temperature can be set within a range of 16°C~30°C by 1°C.



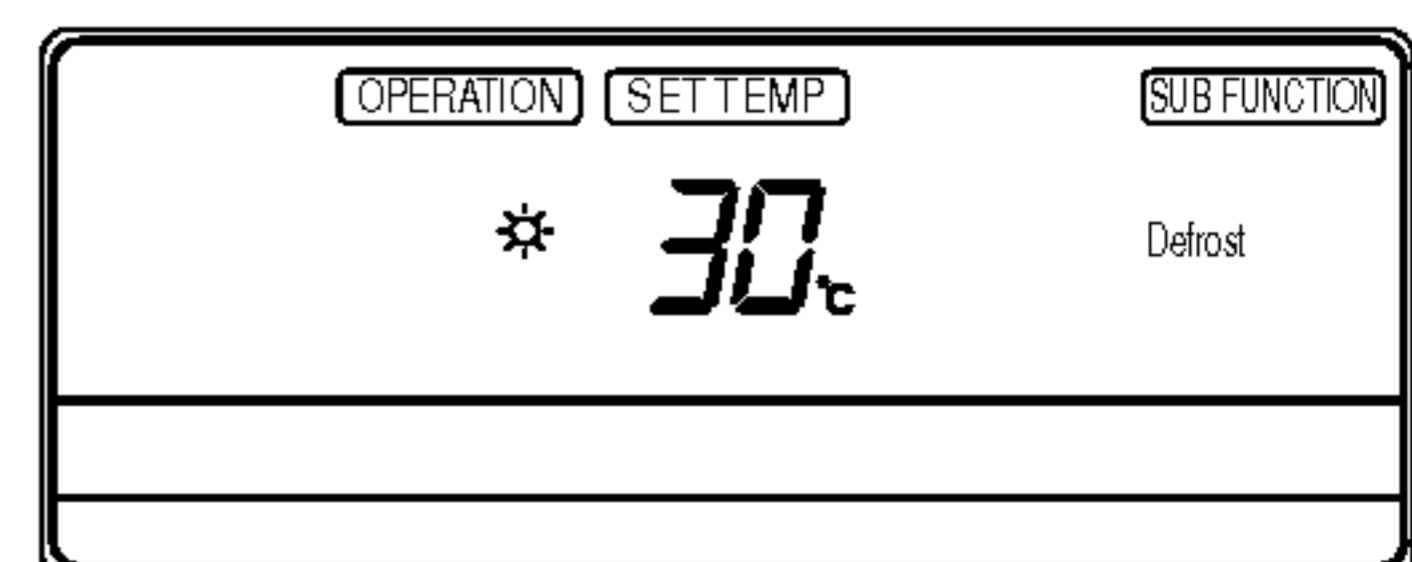
To raise the Temperature.

To lower the Temperature.

- 4** This air-conditioner is set to the hot start control in order not to discharge the cold air during the heating operation. This time, the remote controller indicates 'Preheat'.



- 5** If the outdoor temperature is too low during the heating operation, this air-conditioner is set to the defrosting operation and the remote controller indicates 'Defrost'.



**CAUTION:** Before performing any maintenance, turn off the main power to the system.

You can do some of the periodic maintenance for your unit yourself; this includes cleaning air filters, cleaning unit cabinet, clearing the condenser coil, and conducting a general unit inspection on a regular basis.



### WARNING

Before removing access panels to service unit, disconnect power supply. Failure to disconnect power before attempting any servicing can result in severe injury or death.

## ANTI-BACTERIA-Air Filters

This product has anti-bacteria washable filters. It is very important to keep air filters clean in the central duct system. Be sure to inspect them at least once each month when the system is in constant operation. (In new buildings, check the filters every week for the first 4 weeks.)

Washable type filters can be cleaned by washing with a mild detergent and water. Ensure that the filters are thoroughly dried before reinstalled them in the unit (or duct system).

## Condenser coil

Unfiltered air circulates through the unit's condenser coil and can cause the coil's surface to become clogged with dust, dirt, etc.. To clean the coil, vertically (i.e., along the fins) stroke the coil surface with a soft bristled brush.

Keep all vegetation away from the condenser coil area.

## Maintenance Performed by Serviceman-Cooling Season

To keep your unit operating safely and efficiently, the manufacturer recommends that a qualified serviceman check the entire system at least once each year, or more frequently if conditions warrant. Your serviceman may examine these areas of your unit:

1. Filters (for cleaning)
2. Motors and drive system components
3. Condenser coils (for cleaning)
4. Safety Controls (for mechanical cleaning)
5. Electrical components and wiring (for possible replacement or connection tightness)
6. Condensate drain (for cleaning)
7. Inspect the unit duct connections to ensure they are physically sound and sealed to the unit casing.
8. Inspect the unit mounting support to see that it is sound.
9. Inspect the unit to ensure there is no obvious deterioration.

## Maintenance Performed By Serviceman-Heating Season

Complete the unit inspections and service routines described below at the beginning of each heating season.

- Inspect the controller panel wiring to verify that all electrical connections are tight and that wire insulation is intact.

## When the air conditioner is not going to be used for a long time.

### When air conditioner is not going to be used for a long time.

- 1 Operate the air conditioner on Air circulation mode for 2 to 3 hours.
  - This will dry out the internal parts.
- 2 Turn off the circuit breaker.



### CAUTION

Turn off the circuit breaker when the air conditioner is not going to be used for a long time. Dirt may collect and may cause a fire.

### When the air conditioner is to be used again.

- 1 Clean the air filter and re-install it in the indoor side.  
On the filter access panel at the left side of the unit, a "Filter access panel" label is attached.
- 2 Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.

### Helpful information

The air filters and your electric bill.  
If the air filters become clogged with dust, the cooling capacity will drop, and 6% of the electricity used to operate the air conditioner will be wasted.

## Operation Tips

### Do not overcool the room.

This is not good for your health and wastes electricity.

### Make sure that the doors and windows are shut tight.

Avoid opening doors and windows as much as possible to keep the cool air in the room.

### Keep blinds or curtains closed.

Do not let direct sunshine enter the room when the air conditioner is in operation.

### Ventilate the room occasionally.

Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

### Clean the air filter regularly.

Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects.



### CAUTION

Before removing access panels to draw out air filters, disconnect power supply. Since the fan rotates at high speed, it may cause a serious injury

- 1 Clean at least once every month using a vacuum cleaner or washing with a neutral detergent in lukewarm water.
- 2 After washing with water, dry it well in the shade.
  - Do not expose the air filter to direct sunlight or heat from a fire when drying it.

Check the following points before requesting repairs or service.... If the fault persists, please contact your dealer or service center.

<b>Case</b>	<b>Explanation</b>	<b>See page</b>
Does not operate.	• Have you made a mistake in timer operation?	
	• Has the fuse blown or has the circuit breaker been tripped?	-
	• Does the Remote controller display "EH" on the LCD? This means that protective device has been tripped please contact your dealer or service center.	
The room has a peculiar odor.	• Check that this is not a damp smell exuded by the walls, carpet, furniture, or cloth items in the room.	-
It seems that condensation is leaking from the air conditioner.	• Condensation occurs when the airflow from the air conditioner cools the warm air.	-
Air conditioner does not operate for About 3 minutes when restarted.	• This is the Protection device of the air conditioner. • Wait about three minutes and operation will begin.	-
Does not cool or heat effectively.	• Is the air filter dirty? See air filter cleaning instructions.	15
	• The room may have been very hot when the air conditioner was first turned on. Allow time for it to cool down.	-
	• Has the setting temperature been set incorrectly? • Are the unit's air inlet or outlet vents obstructed?	-
The air conditioner operation is noisy.	• For a noise that sounds like water flowing. -This is the sound of freon flowing inside the air conditioner unit.	-
Remote controller display is faint, or no display at all.	• Has the circuit breaker been tripped?	
There's no air flow in cooling or heating mode	• Have you selected Fan auto operation mode?	5



# Service Centers

## Details of LG serial No.

□ □ □ □ □ □ □ □ □ □  
1 2 3 4 5 6 7 8 9 10

Code	Detail	Code of Model	Meaning
1	Year	0~9 (Digit)	The last digit of year ex) 1997 → 7, 2000 → 0
2,3	Month	01~12 (Digit)	Month ex) March → 03, August → 08
4	Nation	A~Z (Alphabet)	Where manufactured ex) K → Korea, C → China
5	Product	A~Z (Alphabet)	ex) A → Airconditioner
6~10	Serial No.	0~9 (Digit)	Production Quantity

## ■ Service Centers

H. G. IBRAHIM SHAKER COMPANY, LTD.  
SERVICE CENTER

- \* JEDDAH : P. O. BOX 50, JEDDAH 21411 KINGDOM OF SAUDI ARABIA  
TEL NO. : 6422952 / 6425527
- \* RIYADH : P. O. BOX 15, RIYADH 11411 KINGDOM OF SAUDI ARABIA  
TEL NO. : 4020570
- \* AL-KHOBAR : P. O. BOX 78, AL-KHOBAR 31952 KINGDOM OF SAUDI ARABIA  
TEL NO. : 8943714

In case of parts being disordered,  
please contact with SVC center:  
and check the replacement parts code.



A series of horizontal dotted lines for writing, spanning the width of the page.