

# OPERATING MANUAL

AIR CONDITIONER

DUCT TYPE

Indoor Unit

**ARY25AL**

**ARY25AL(3)**

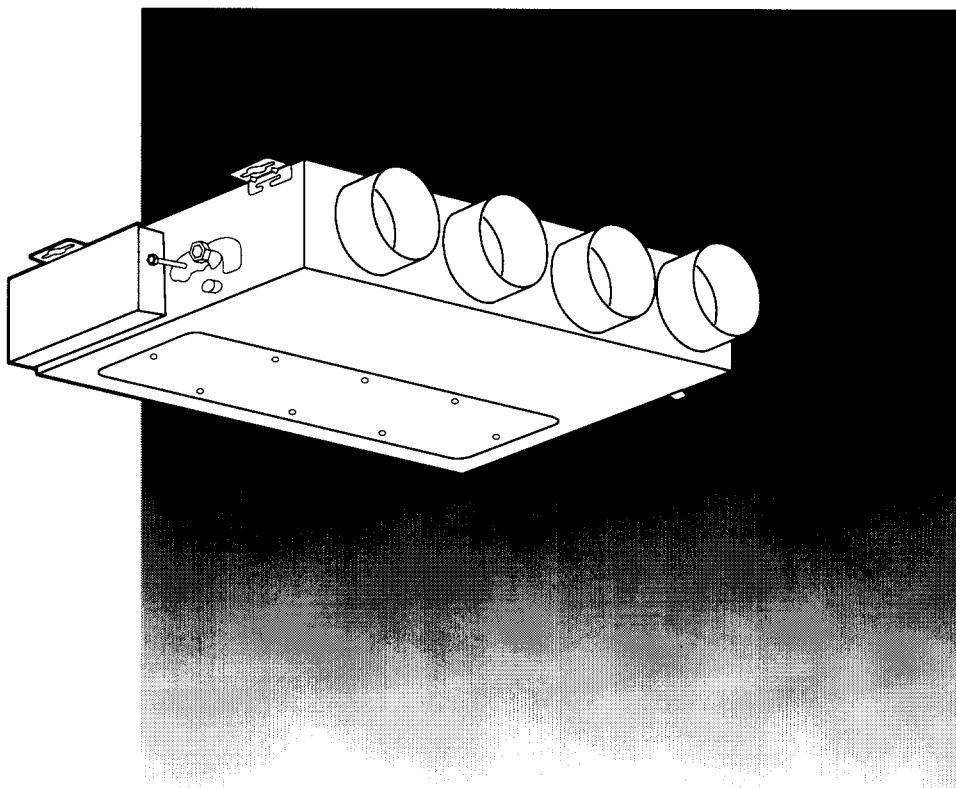
**ARY25RL**

**ARY36AL(3)**

**ARY36RL(3)**

**ARY45AL(3)**

**ARY45RL(3)**



Outdoor Unit

**AOY25AW**

**AOY25AZ**

**AOY25AC(3)**

**AOY25RW**

**AOY25RZ**

**AOY36AC(3)**

**AOY36RC(3)**

**AOY45AC(3)**

**AOY45RC(3)**

English

Deutsch

Français

Español

Italiano

Ελληνικά

KEEP THIS OPERATION MANUAL  
FOR FUTURE REFERENCE

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## PRECAUTIONS

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

 <b>WARNING!</b>	This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.
 <b>CAUTION!</b>	This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user, or damage to property.

### Safety Symbols



△ The triangular symbol indicates WARNING and CAUTION items.



⊗ This symbol indicates prohibited operations. The prohibited action is indicated both within the symbol, and in nearby explanations.



● This symbol indicates instructions regarding operations which are to be performed by the user.



### DANGER

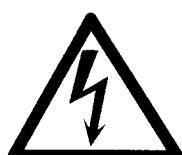
**Do not attempt to install this air conditioner by yourself.**

- Consult authorized service personnel for all installations.



**Consult authorized service personnel for any repairs.**

- Do not attempt to remove parts, or service the unit yourself, since you may be exposed to dangerous electrical shock. This appliance contains no user-serviceable parts.



**When moving, consult authorized service personnel for disconnection and installation of the unit.**



## PRECAUTIONS



### DANGER

#### Do not stay in direct cooling airflow for long periods.

- Excessive direct exposure to chilled air could be bad for your health.
- Be especially careful when going to bed, and in rooms where infants, aged, or sick people are staying.



#### Do not insert fingers or objects into the outlet port or intake grilles.

- A fan operates at high speed inside the unit, and personal injury could result.
- Be particularly careful regarding small children.



#### Do not start and stop air conditioner operation by turning off the electrical breaker and so on.



#### In the event of a malfunction (burning smell, etc.), immediately stop operation, turn off the electrical breaker, and consult authorized service personnel.

- Continuing to operate the unit under such conditions could lead to hazard of fire or electrical shock.



# PRECAUTIONS

<b>CAUTION</b>	
<b>Provide occasional ventilation during use.</b> <ul style="list-style-type: none"><li>● Be careful to provide adequate ventilation particularly when using the unit in combination with other heating apparatus.</li><li>● Insufficient ventilation could lead to oxygen starvation.</li></ul>	<b>Do not direct air flow at fireplaces or heating apparatuses.</b> <ul style="list-style-type: none"><li>● Direct air blowing on fires could result in improper combustion or fire.</li></ul>
<b>Do not climb on, or place objects on, the air conditioner.</b> <ul style="list-style-type: none"><li>● Personal injury could result from a falling object, or if the unit tips over.</li><li>● Do not hang on or cover the air conditioner.</li></ul>	<b>Do not set flower vases or water containers on top of air conditioners.</b> <ul style="list-style-type: none"><li>● Water leaking inside the unit could damage electrical insulation, leading to danger of electrical shock.</li></ul>
<b>Do not expose the air conditioner directly to water.</b> <ul style="list-style-type: none"><li>● Electrical insulation could be damaged, resulting in electrical shock.</li></ul>	<b>Do not operate the air conditioner with wet hands.</b> <ul style="list-style-type: none"><li>● Electrical shock could result.</li></ul>
<b>Turn off power source when not using the unit for extended periods.</b>	<b>Always turn off the electrical breaker whenever cleaning the air conditioner or changing the air filter.</b> <ul style="list-style-type: none"><li>● A fan operates at high speed inside the unit, and personal injury could result.</li></ul>
<b>Connection valves become hot during Heating; handle with care.</b> <ul style="list-style-type: none"><li>● Touching the connection valves could result in burns.</li></ul>	<b>Check the condition of the installation for damage.</b> <ul style="list-style-type: none"><li>● After lengthy use, arrange for visit by authorized service personnel to check installation condition.</li></ul>
<b>Do not place animals or plants in the direct path of the air flow.</b> <ul style="list-style-type: none"><li>● Lengthy exposure to direct Heating or Cooling airflow could have adverse influence on plants or animals.</li></ul>	<b>When restarting after a long period of disuse in the winter, do:</b> <ul style="list-style-type: none"><li>● Turn the power switch on at least 12 hours before starting the unit; this will help the unit run more smoothly and for a longer time.</li></ul>



## CAUTION

**Do not drink the water drained from the air conditioner.**

**Do not use in applications involving the storage of foods, plants or animals, precision equipment, or art works.**

- The quality of the stored items may deteriorate.

**Always operate with the air filter installed.**

- Operating the unit without the air filter could cause excessive dirt to collect on internal parts, leading to malfunction.

**Do not touch the heat exchanger radiator fins.**

- Personal injury could result.
- Be particularly careful when cleaning.
- Bending or damage to the fins will affect the efficiency of the unit.

**Install the indoor unit and remote control unit at least one meter from any television sets or radio.**

- Signal radiation could be induced into the system to give erroneous operation.

**Do not block or cover the intake grille and outlet port.**

- Obstructing the ports will reduce operating efficiency, leading to improper operation and possible damage.

**When installing the indoor unit and outdoor unit, take precautions to prevent access by infants.**

- Unexpected accidents could occur.

**Avoid installing the air conditioner near a fireplace or other heating apparatus.**

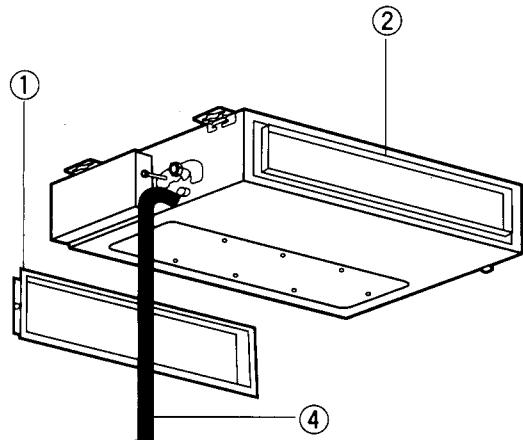
- Exposure to excessive heat could result in deformation of the outer case.

**Do not use inflammable gases near the air conditioner.**

# NAME AND FUNCTION OF PARTS

For details of operation, see the pages indicated by the  mark.

## Indoor Unit



### ① Air Intake Grille

Air is taken in here.

### ② Square Flange

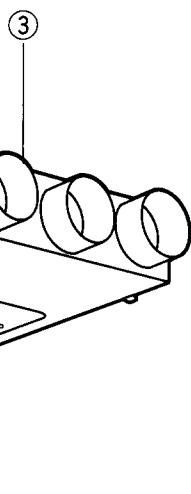
Air conditioner outlet port. The illustration shows the square flange in use.

### ③ Round Flange

Air conditioner outlet port. The illustration shows the round flange in use.

### ④ Drain Hose

Moisture condensed from the air during Cooling operation is drained here.

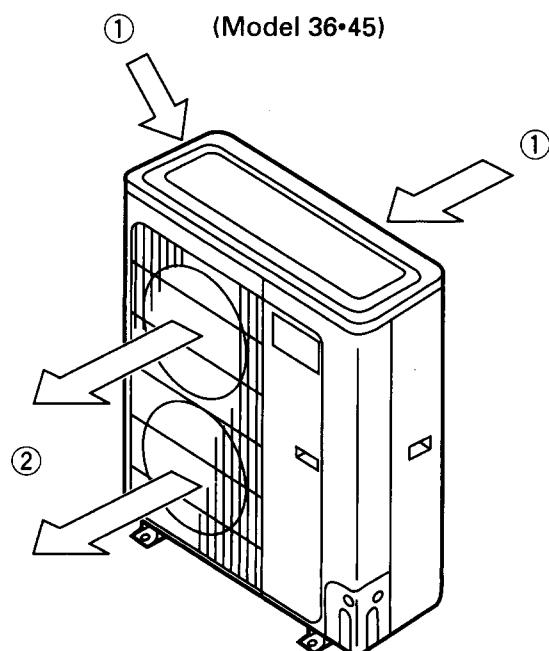


## Electrical Breaker

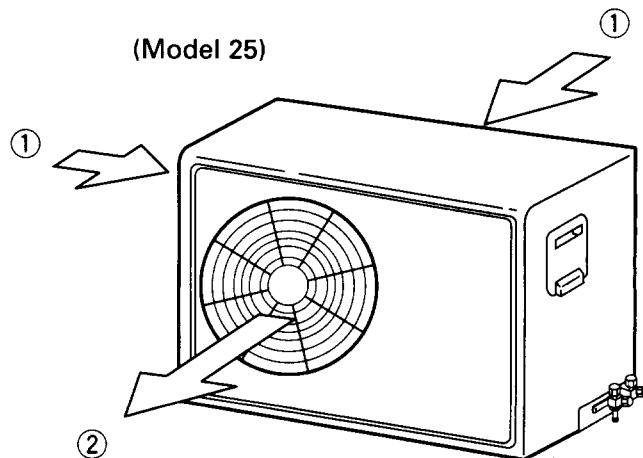


This switch is installed during the electrical installation.

## Outdoor Unit



(Model 36-45)



(Model 25)

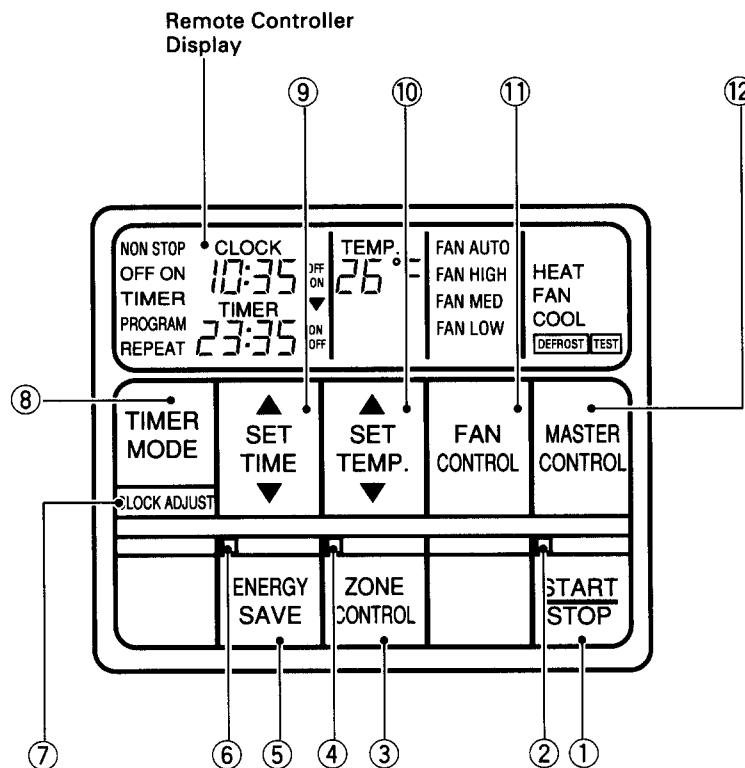
### ① Air inlet

Outside air is taken in.

### ② Air outlet

Warm and cool air is blown out.

## Remote Controller Operation Panel



\* For explanatory purposes, the figure showing the remote controller display shows all possible displays. The actual display shows only that area that is being adjusted or used.

### ① START/STOP Button

Press to start and stop operation.

### ② Operation Lamp

Lights up during operation and when the timer is on.

### ③ ZONE CONTROL Button (☞ P. 17)

Use to turn the zone control on and off.

### ④ ZONE CONTROL Lamp

Lights up when the unit is in the zone control mode.

### ⑤ ENERGY SAVE Button (☞ P. 13)

Turns the energy efficient mode on and off.

### ⑥ ENERGY SAVE Lamp

Lights up when the unit is in the energy save mode.

### ⑦ CLOCK ADJUST Button (☞ P. 8)

### ⑧ TIMER MODE Button (☞ P. 11, 12)

Use to change timer modes (NON STOP, OFF TIMER, ON TIMER, PROGRAM TIMER, REPEAT TIMER).

### ⑨ SET TIME Button (▲/▼)

Use to change the timer settings (see pages 11 to 12), and to set the current time (see page 8).

### ⑩ SET TEMP. Button (▲/▼)

Use to change the temperature setting.

### ⑪ FAN CONTROL Button

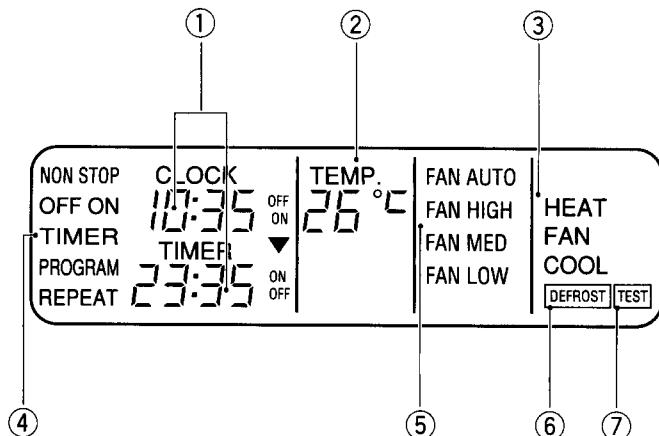
Use to select the fan speed (AUTO, HIGH, MED, LOW).

### ⑫ MASTER CONTROL Button

Use to select the various operating modes (HEAT, FAN, COOL).

# NAME AND FUNCTION OF PARTS

## Remote Controller Display



\* For explanatory purposes, the above figure shows all possible displays. The actual display shows only that area being adjusted or used.

### ① Clock Display (CLOCK/TIMER)

Displays current or timer times (0:00 to 23:59).

### ② Set Temperature Display (TEMP.)

Displays the set temperature.

Depending on the usage circumstances of the unit (room width, outdoor temperature etc.), the displayed temperature may differ from the actual room temperature.

### ③ Operation Mode Display

Displays the operation mode (HEAT, FAN, COOL).

### ④ Timer Mode Display

Displays the timer mode (NON STOP, OFF TIMER, ON TIMER, PROGRAM, REPEAT).

### ⑤ Fan Speed Display

Displays the current fan speed.

### ⑥ DEFROST Display

Displayed during defrosting.

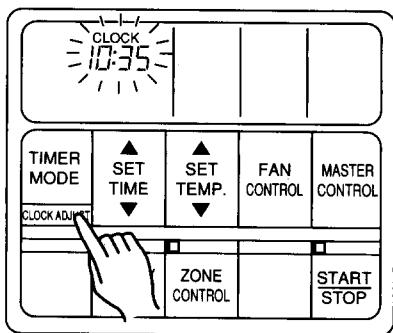
### ⑦ TEST Display

Displayed during test operation.

## PREPARATION

### Set the Current Time

#### 1 Press the CLOCK ADJUST button for more than three seconds.



#### <Remote Controller Display>

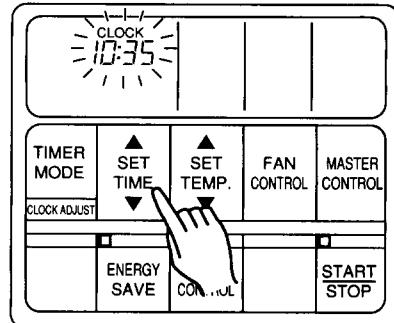
The current time display will flash.

#### 2 Press the SET TIME button and set the time.

▲ : Use to advance the time forward.

▼ : Use to turn the time back.

(Press once to move the time 1 minute; hold down and the time will move 10 minutes at a time.)



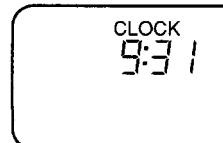
#### <Remote Controller Display>

The current time display will flash.

#### 3 Press the CLOCK ADJUST button again.

#### <Remote Controller Display>

The current time display will stop flashing.

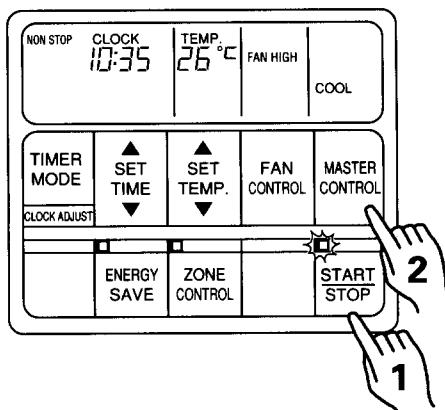


Example: Set the time to 9:31.

# MODE OPERATION (HEAT, COOL)

Steps are recorded by the unit, after entering in this information, you need only press the START/STOP button to control the unit.

Instructions relating to heating are applicable only to "HEAT and COOL" models (Reverse Cycle).

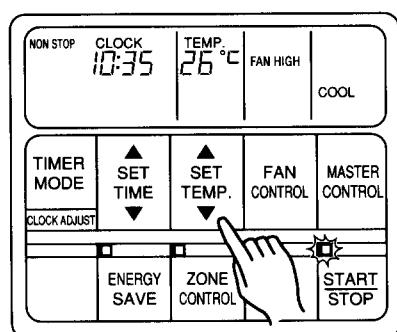


## To Select Mode Operation

### 1 Press the START/STOP button.

The unit will start and the operation lamp will light up.

### 2 Press the MASTER CONTROL button. Select either HEAT or COOL.

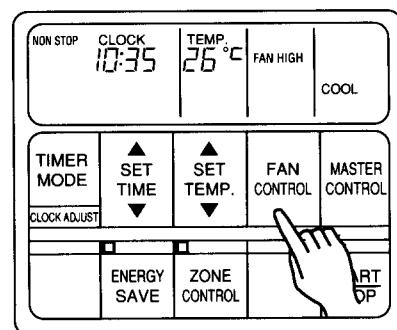


## To Set the Thermostat

### Set the SET TEMP. button to the desired temperature.

- ▲ : Use to raise the set temperature.  
(Press the button once to raise the temperature 1°C).
- ▼ : Use to lower the set temperature.  
(Press the button once to lower the temperature 1°C).

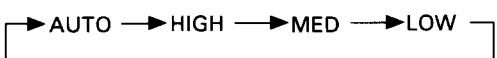
Range of temperature setting:  
For heating mode ..... 16 to 30°C  
For cooling mode ..... 18 to 30°C



## To Set the Fan Speed

### Press the FAN CONTROL button to select the fan speed.

Every time you press the FAN CONTROL button, the speed changes as shown.



When the AUTO fan speed is selected in the heating or cooling modes, the fan speed will vary with room conditions.

## To Stop Operation

### Press the START/STOP button.

#### <Remote Controller Display>

The display contents disappear and only the current time is displayed.

## About Mode Operation

### Heating

- Always set the temperature higher than the current room temperature. If it is set lower than the current room temperature, heating will not start.
- For about 3 to 5 minutes after starting heating, the fan will operate very slowly, then switch to the selected fan setting. This period allows the indoor unit's heat-exchanger to perform before emitting warm air.
- During defrosting (see page 16), the heating mode will be temporarily interrupted. **DEFROST** will be shown on the remote controller display.

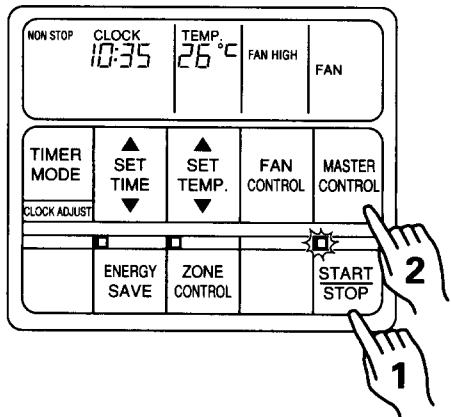
### Cooling

- Always set the temperature lower than the current room temperature. If it is set higher than the current room temperature, the unit will not enter the cooling mode and only the fan will operate.

# MODE OPERATION (FAN)

Steps are recorded by the unit, after entering in this information, you need only press the START/STOP button to control the unit.

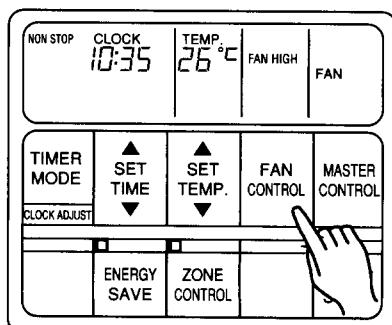
## To Select MODE Operation



### 1 Press the START/STOP button.

The unit will start and the operation lamp will light up.

### 2 Press the MASTER CONTROL button to select FAN mode.



## To Set the Fan Speed

### Press the FAN CONTROL button to select the fan speed.

When the AUTO fan speed is selected in the FAN mode, the fan speed will automatically be set on MED.

## To Stop Operation

### Press the START/STOP button.

#### <Remote Controller Display>

The display contents disappear and only the current time is displayed.

#### NOTE:

Do not allow the air conditioner's air stream to directly strike a kerosene or other space heater.  
Incomplete combustion or fires may result.

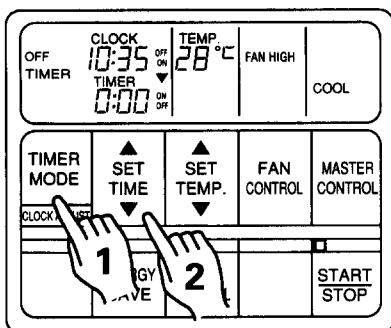
## About Mode Operation

The room temperature cannot be adjusted in the FAN mode. (The room temperature is not displayed on the remote controller.)

# TIMER OPERATION

Press the START/STOP button; after the unit starts operation perform the following procedure:

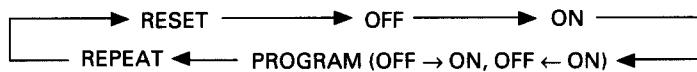
## OFF Timer/ON Timer



### 1 Press the TIMER MODE button and display either OFF Timer or ON Timer.

The timer will start operating. (If you set the ON timer, the air conditioner will stop operating).

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



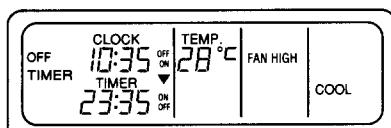
### 2 Press the SET TIME button and set the timer time.

▲ : Use to advance the time forward.

▼ : Use to turn the time back.

(Press once to move the time 1 minute; hold down and the time will move 10 minutes at a time.)

**Example:** Setting the OFF TIMER to 23:35.



### To Confirm or Change Settings Before Starting Operation

#### ● To confirm settings

Press the TIMER MODE button once. (The timer setting information will be displayed for 15 seconds after the TIMER MODE button is pressed.)

#### ● To change settings

Confirm the settings as noted above, then press the SET TIME button and TIMER MODE button as necessary to change the desired timer setting. (The timer settings will be displayed for 15 seconds after the button is pressed.)

#### ● After confirming or changing the settings, press the START/STOP button to start operation.

### To Change the Timer Setting During Operation

Operate as noted in step 2.

### To Cancel the Timer Mode During Timer Operation

Press the TIMER MODE button and set the display to "NON STOP" (the unit will switch to non-stop operation).

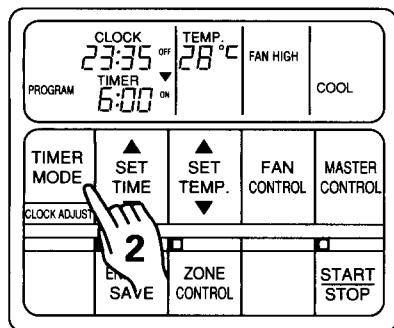
### To Change the Timer Mode During Operation

Press the TIMER MODE button and set the unit to the desired mode.

### To Stop Operation During Use of Timer Mode

Press the START/STOP button.

# TIMER OPERATION



## PROGRAM Timer/REPEAT Timer

### 1 Setting the timer time.

Follow steps 1 and 2 on page 11 and set the times for the ON timer and OFF timer modes.

### 2 Press the TIMER MODE button until the "PROGRAM" or "REPEAT" mode display is shown.

#### Example:

If the OFF timer is set at 23:35 and the ON timer at 6:00, and the unit is in the PROGRAM timer mode. (Select the REPEAT timer mode, "REPEAT" is shown on the display.)

## About Timer Operation

### PROGRAM Timer

- Combines the OFF timer and the ON timer for one cycle. (OFF→ON, or OFF←ON)
- Starts operation from the OFF timer or the ON timer, whichever is closer to the current time.

### REPEAT Timer

- Combines the operation of the OFF timer and the ON timer (the cycle described in the PROGRAM timer above) so they repeat the same cycle every day.
- Starts operation from the OFF timer or the ON timer, whichever is closer to the current time.

### To Confirm or Change Settings Before Starting Operation

See page 11.

### To Change the Timer Mode During Operation

Press the TIMER MODE button and set the unit to the desired mode .

### To Stop Operation During Use of Timer Mode

Press the START/STOP button.

### To Change Settings After Starting Operation

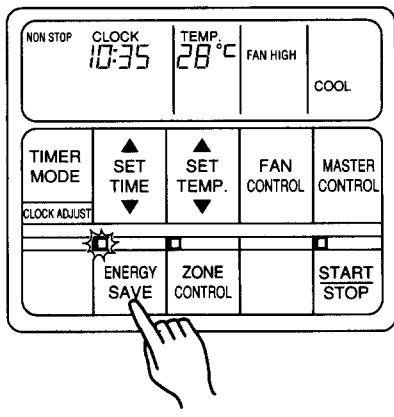
- Follow the instructions in step 1 of P.11 to display the timer mode whose time setting you wish to change.
- Follow the instructions in step 2 of P.11 to change the timer setting.  
To change both the OFF timer and ON timer settings, perform both of the above steps 1, 2 for each setting.
- Press the TIMER MODE button to display either "OFF → ON" or "OFF ← ON".

### To Cancel the Timer Mode During Timer Operation

Press the TIMER MODE button and set the display to "NON STOP" (the unit will switch to non stop operation).

# ENERGY SAVE OPERATION

## To Use the ENERGY SAVE



### Press the ENERGY SAVE button.

The unit will run in the ENERGY SAVE mode.

## To Stop the ENERGY SAVE

### Press the ENERGY SAVE button one more time.

The ENERGY SAVE mode will be turned off.

#### <Remote Controller Display>

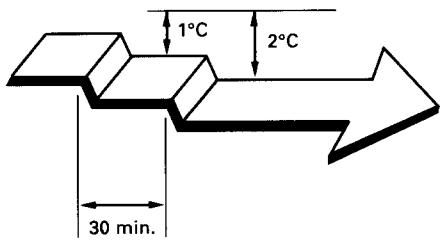
The ENERGY SAVE light goes off, and the unit will return to the former operating conditions.

## About the ENERGY SAVE

- The energy conservation mode (ENERGY SAVE) raises the set temperature slightly in the cooling mode and lowers the set temperature in the heating mode, using a computer program to economically control the operation of the unit.
- If you press the ENERGY SAVE button while the air conditioner is on, it will change to the conservation mode. If you press the ENERGY SAVE button while the unit is in the timer mode (ON timer, PROGRAM timer, or REPEAT timer), the unit will go into the conservation mode when the unit starts with the timer.
- If you turn off the air conditioner while in the conservation mode, the mode will be shut off.
- The temperature set on the remote controller will not change if the energy save mode is used.

### ■ When Heating [HEAT and COOL model (Reverse Cycle) only]

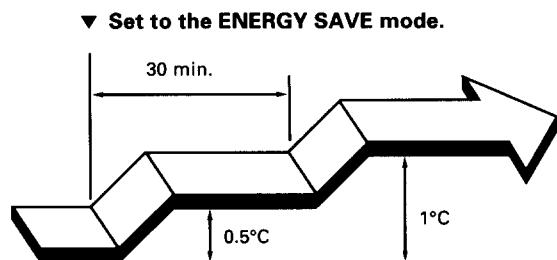
After the ENERGY SAVE button is pressed, the set temperature will be lowered about 1°C every 30 minutes. When it has lowered a total of 2°C, then it will hold that temperature.



▲ Set to the ENERGY SAVE mode.

### ■ When Cooling

After the ENERGY SAVE button is pressed, the set temperature will be raised about 0.5°C every 30 minutes. When it has gone up a total of 1°C, then it will hold that temperature.



▼ Set to the ENERGY SAVE mode.

# CARE AND MAINTENANCE

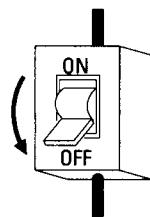
## CAUTION!

Before cleaning the unit, be sure to stop the unit and disconnect the power supply.

- Turn off the electrical breaker.
- A fan operates at high speed inside the unit, and personal injury could result.

## Cleaning the Indoor Unit

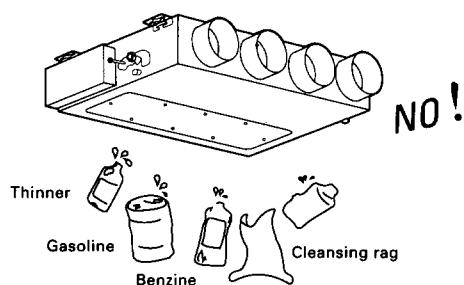
When cleaning the air conditioner, turn off the electrical breaker.



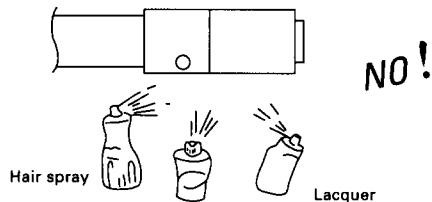
Never use water that is hotter than 40°C. The body may warp or change colour.



The unit can be damaged by gasoline, benzine, thinners, insecticides and other chemical agents.



Do not use inflammable sprays such as lacquer or hair spray near the air conditioner.



## Installing the Air Filter

- Be sure the filter is always installed in the inlet air grille of the indoor unit.



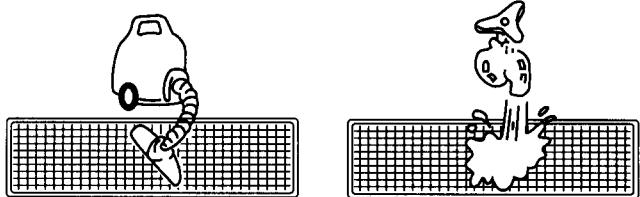
Filters can be purchased through your local dealer.

## Cleaning the Air Filter

If dirt is allowed to collect in the air filter, the airflow will be reduced, leading to reduced performance, and increased operating noise. Be sure to clean the filters regularly.

## How to Cleaning

Use a vacuum cleaner to remove dust and dirt from the air filter, or wash in a synthetic detergent. After washing, dry in a shaded place, then reinstall.



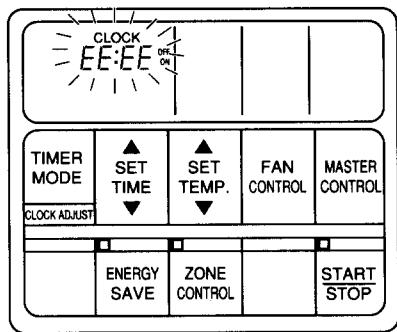
## When Not Using the Unit for Extended Periods (One Month or More)

Operate the unit on fan mode for about one-half day on a day with clear weather, to assure that the internal parts are dry.

## CAUTION

When not using the unit for extended periods, turn off the electrical breaker for safety.

# ERRORS AND SELF DIAGNOSIS



If there is a problem with the air conditioner, it will stop running and "EE:EE" will be displayed instead of the clock.

- 1. If the operation lamp is on then press the START/STOP button to turn it off.**
- 2. Press the ENERGY SAVE and the ZONE CONTROL buttons at the same time for more than three seconds to start the self diagnosis check.**  
An error code will be displayed in the clock display area.
- 3. Press the ENERGY SAVE and the ZONE CONTROL buttons again for more than three seconds to end the self diagnosis check.**

Error Code	Error
E0:00	Communication error (indoor unit↔remote controller)
E1:00	Communication error (indoor unit↔outdoor unit)
E2:00	Room temperature sensor open.
E3:00	Room temperature sensor shorted.
E4:00	Indoor heat exchanger temperature sensor open.
E5:00	Indoor heat exchanger temperature sensor shorted.
E6:00	Outdoor heat exchanger temperature sensor open.
E7:00	Outdoor heat exchanger temperature sensor shorted.
ER:00	Outdoor temperature sensor open.
E8:00	Outdoor temperature sensor shorted.
EE:00	Discharge pipe temperature sensor open.
Ed:00	Discharge pipe temperature sensor shorted.
EE:00	High pressure abnormal.
EF:00	Discharge pipe temperature abnormal.

# OPERATION DETAILS

Please read and understand the following details regarding this air conditioner.

## Operation and Performance

### Heating Performance [HEAT & COOL model (Reverse Cycle) only]

- This air conditioner uses a heat pump which absorbs heat from outside air and brings it indoors. As a result, its heating performance is reduced as the temperature of outside air drops. If you find that insufficient room heat is produced, we recommend that you use the air conditioner together with other heating appliances.
- Heat-pump type air conditioners use warm-air recirculation to warm your entire room. As a result, some time will be required after starting operation until your entire room becomes warm.

### Microcomputer-controlled Automatic Defrosting [HEAT & COOL model (Reverse Cycle) only]

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

### When Indoor and Outdoor Temperatures are High [HEAT & COOL model (Reverse Cycle) only]

When both indoor and outdoor temperatures are high during use of the heating mode, the outdoor unit's fan may stop at times.

## Outdoor Unit Fan Speed Control

Depending on the outdoor temperature, the outdoor unit automatically stops the fans or adjusts their speed.

## Temperature and Humidity Range

Permissible ranges of temperature and humidity are as follows:

Cooling Operation	Outdoor temperature: About 0°C to 52°C
	Indoor temperature: About 18°C to 30°C
	Indoor humidity: Below approximately 80%. If the air conditioner is used continuously for many hours, water may condense on the surface and drip.
Heating Operation [HEAT & COOL model (Reverse Cycle) only]	Outdoor temperature: About 0°C to 21°C (ARY25R Model) About -5°C to 21°C (ARY36R, 45R Models)
	Indoor temperature: About below 30°C

If the unit is used under higher temperature conditions than those noted here, the automatic protection circuit may operate, interrupting the operation. If the unit is used under lower temperature conditions than those noted here, the heat exchanger may freeze, causing water leakage or other malfunction.

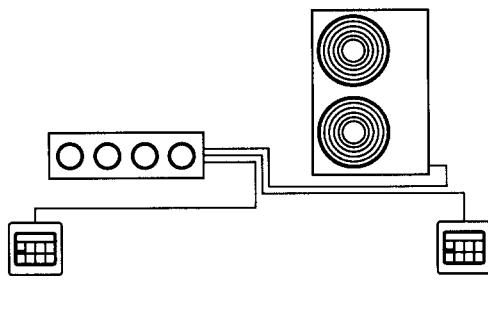
- Do not use the air conditioner for any purpose other than room cooling, room heating, or fan.

# SYSTEM OPERATION

There are different ways the unit can be controlled.  
(Consult the remote control unit operating instructions for details on setting the operating functions).

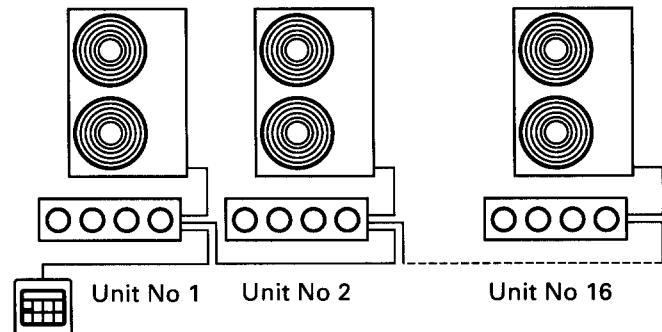
## <Spare Remote Controller>

Two remote controllers can be connected to one air conditioner unit. The air conditioner operation contents are the remote controller setting contents set later.  
(Both remote controllers show the same display.)



## <Control Several Units with just one Remote Controller>

One remote controller can control up to 16 air conditioners. All the air conditioners can be operated with the same setting.



## To Use the ZONE CONTROL

When the ZONE CONTROL button is pressed while multiple air conditioners are being centralized controlled, only the preset air conditioners stop.

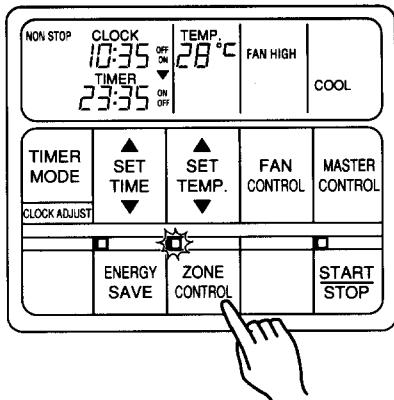
**Press the ZONE CONTROL button.**  
Preset units will stop.

## To Stop the ZONE CONTROL

**Press the ZONE CONTROL button one more time.**  
Those units that were stopped will start again.

## Auto Restart

When the air conditioner power was temporarily turned off by a power failure, etc., it will restart automatically after the power recovers. (Operated by settings before the power failure.)



# TROUBLESHOOTING

 <b>WARNING!</b>	<p>In the event of a malfunction (burning smell, etc.), immediately stop operation, turn off the electrical breaker, and consult authorized service personnel.</p> <p>Always be sure to turn off the electrical breaker to ensure that power is completely off.</p>
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Before requesting service, perform the following checks:

	<b>Symptom</b>	<b>Problem</b>	<b>See Page</b>
NORMAL FUNCTIONS	Doesn't operate immediately:	<ul style="list-style-type: none"> <li>● If the unit is stopped and then immediately started again, the compressor will not operate for about 3 minutes, in order to prevent fuse blowouts.</li> <li>● Whenever the power switch is turned off then on again, the protection circuit will operate for about 3 minutes, preventing unit operation during that period.</li> </ul>	—
	Makes noise:	<ul style="list-style-type: none"> <li>● During operation and immediately after stopping the unit, you may hear the sound of water flowing in the air conditioner's piping. Also, noise may be particularly noticeable for about 2 to 3 minutes after starting operation (This is the sound of coolant flowing).</li> <li>● During operation, you may hear a slight squeaking sound. This is caused by minute expansion and contraction of the front cover resulting from change in temperature.</li> </ul>	—
	Smells:	<ul style="list-style-type: none"> <li>● Some smell may be emitted from the indoor unit. This smell is the result of room odors (furniture, tobacco, etc.) which have been taken into the air conditioner.</li> </ul>	—
	Mist or steam is emitted:	<ul style="list-style-type: none"> <li>● During the cooling operation, a thin mist may be seen emitted from the indoor unit. This is a result of sudden cooling of room air by the air emitted from the air conditioner, resulting in condensation and misting.</li> <li>● During Heating operation, the outdoor unit's fan may stop, and steam may be seen rising from the unit. This is due to operation of the defrosting mode.</li> </ul>	—
CHECK ONCE MORE	Doesn't operate at all:	<ul style="list-style-type: none"> <li>● Has there been a power failure?</li> <li>● Has a fuse blown out, or a circuit breaker been tripped?</li> <li>● Is the main power switch set to the OFF position?</li> <li>● Is the timer operating?</li> </ul>	11
	Poor cooling or heating performance:	<ul style="list-style-type: none"> <li>● Is the air filter dirty?</li> <li>● Are the air conditioner's intake or outlet vents blocked?</li> <li>● Did you adjust the room temperature settings (thermostat) correctly?</li> <li>● Is there a window or door open?</li> <li>● During the cooling operation, is a window allowing bright sunlight to enter? (Close the curtains.)</li> <li>● During the cooling operation, is there a heat source operating inside the room, or are there too many people in the room?</li> </ul>	—

Instructions relating to heating are applicable only to "HEAT and COOL" models (Reverse Cycle).

# SPECIFICATIONS

MODEL			
INDOOR UNIT	ARY25AL	ARY25AL (3)	ARY25RL
OUTDOOR UNIT	AOY25AZ	AOY25AC (3)	AOY25RZ
TYPE	COOLING MODEL	COOLING MODEL	COOL & HEAT MODEL
POWER	1~220-240V 50Hz	3N~380-415V 50Hz	1~220-240V 50Hz
COOLING			
CAPACITY	7.00-7.10 kW	7.00-7.10 kW	6.95-7.05 kW
POWER INPUT	2.64-2.77 kW	2.54-2.64 kW	2.70-2.80 kW
CURRENT	12.8-13.2 A	4.4-4.6 A	12.7-13.0 A
ENERGY EFFICIENCY RATIO	2.65-2.56	2.76-2.69	2.44-2.39
HEATING			
CAPACITY	—	—	7.60-7.85 kW
POWER INPUT	—	—	2.50-2.60 kW
CURRENT	—	—	12.0-12.3 A
ENERGY EFFICIENCY RATIO	—	—	3.04-3.02
MAX. PRESSURE	3,040 kPa	3,040 kPa	3,040 kPa
REFRIGERANT	R22 1,950 g	R22 2,030 g	R22 2,070 g
DIMENSIONS & WEIGHT			
INDOOR UNIT			
Height	270 mm		
Width	1,210 mm		
Depth	700 mm		
Weight	43 kg		
OUTDOOR UNIT			
Height	643 mm		
Width	840 mm		
Depth	336 mm		
Weight	67 kg		68 kg

- Acoustic Noise Information : The maximum sound pressure level is less than 70 dB (A) for both indoor unit and outdoor unit.  
According to IEC 704-1 and ISO 3744.

MODEL				
INDOOR UNIT	ARY36AL (3)	ARY36RL (3)	ARY45AL (3)	ARY45RL (3)
OUTDOOR UNIT	AOY36AC (3)	AOY36RC (3)	AOY45AC (3)	AOY45RC (3)
TYPE	COOLING MODEL	COOL & HEAT MODEL	COOLING MODEL	COOL & HEAT MODEL
POWER		3N~380-415V 50Hz		
COOLING				
CAPACITY	10.3-10.5 kW	10.3-10.5 kW	12.4-12.7 kW	12.4-12.7 kW
POWER INPUT	3.73-3.80 kW	3.88-3.95 kW	4.45-4.57 kW	4.45-4.57 kW
CURRENT	6.4-6.4 A	6.6-6.6 A	7.5-7.5 A	7.5-7.5 A
ENERGY EFFICIENCY RATIO	2.76-2.76	2.65-2.66	2.79-2.78	2.79-2.78
HEATING				
CAPACITY	—	10.5-10.7 kW	—	13.4-13.7 kW
POWER INPUT	—	3.18-3.25 kW	—	4.23-4.35 kW
CURRENT	—	6.1-5.8 A	—	7.4-7.4 A
ENERGY EFFICIENCY RATIO	—	3.30-3.29	—	3.17-3.15
MAX. PRESSURE	3,040 kPa	3,040 kPa	3,040 kPa	3,040 kPa
REFRIGERANT	R22 2,150 g	R22 2,800 g	R22 3,150 g	R22 3,400 g
DIMENSIONS & WEIGHT				
INDOOR UNIT				
Height		270 mm		
Width		1,210 mm		
Depth		700 mm		
Weight		45 kg		
OUTDOOR UNIT				
Height		1,152 mm		
Width		940 mm		
Depth		370 mm		
Weight	94 kg	96 kg	102 kg	108 kg

- Acoustic Noise Information : The maximum sound pressure level is less than 70 dB (A) for both indoor unit and outdoor unit.

According to IEC 704-1 and ISO 3744.