



# Package Air Conditioner **OWNER'S MANUAL**

Before using your air conditioner please read this manual carefully and keep it for future reference.

**MODEL: LP-10091CL/XL  
LP-15091CL/XL  
LP-20091CL/XL**

**Prior to installation, this air-conditioning unit must be submitted for approval by the utility service which provides electricity (EN 60555-3 Norm).**

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## FOR YOUR RECORDS

Write the model and serial numbers here for the indoor and outdoor units:

Indoor model # \_\_\_\_\_ Serial # \_\_\_\_\_

Outdoor model # \_\_\_\_\_ Serial # \_\_\_\_\_

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

Dealer's Name \_\_\_\_\_

Date Purchased \_\_\_\_\_



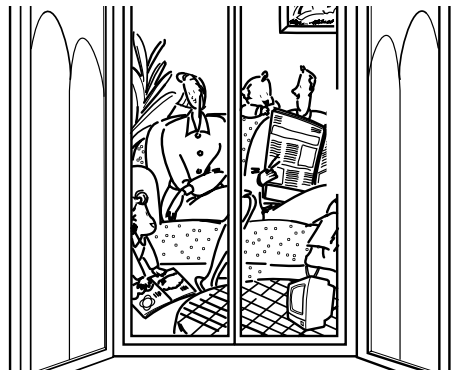
## READ THIS MANUAL

- 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 infirm persons without supervision.**
- **The appliance 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 appliance.**
- **If the supply flexible cord is damaged, it must be replaced by the manufacturer or the manufacturer's service agent or similiary qualified person in order to avoid hazard.**



# Important safety precautions

## Read all instructions before using.

To prevent injury to the user or other people and property damage, the following instructions must be followed.

- Incorrect operation due to ignoring of instruction will cause harm or damage, the seriousness is classified by the following indications.



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



**CAUTION** : This symbol indicates the possibility of injury or damage to properties only.

- Meanings of symbols used in this manual are as shown below.



**Be sure not to do.**



**Be sure to follow the instruction.**

## Installation precautions



**WARNING**

- **Do not install, remove and re-install the unit by yourself.**  
Improper installation will cause water leakage, electrical shock, or fire. Please consult authorized dealer or specialist for the installation work.



**WARNING**

Please confirm the following important points during installing.

- **This room air conditioner must be grounded.**



It may cause electrical shock if grounding is not perfect.

- **Do not install the unit at place where leakage of gas may occur and/or in an explosive atmosphere.**



In case of gas leaks and the gas may accumulate the unit, it may cause fire ignition.

- **Confirm drainage piping is connected properly.**



If it is not connected perfectly, it may cause water leakage and dampen the furniture.

- The reverse cycle system of the air conditioner is based on the air cooling type heat pump which absorbs heated air from the outdoor unit and discharges it indoor.

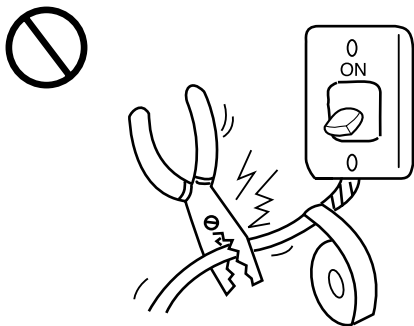
COOLING MODE			
INDOOR		OUTDOOR	
MAX.	MIN.	MAX.	MIN.
32°C	21°C	43°C	21°C
HEATING MODE			
INDOOR		OUTDOOR	
MAX.	MIN.	MAX.	MIN.
27°C	20°C	24°C	1°C

Operation precautions

**WARNING**

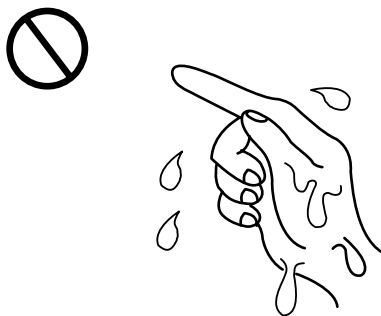
Do not damage or use an unspecified power cord.

- It will cause electrical shock or fire.



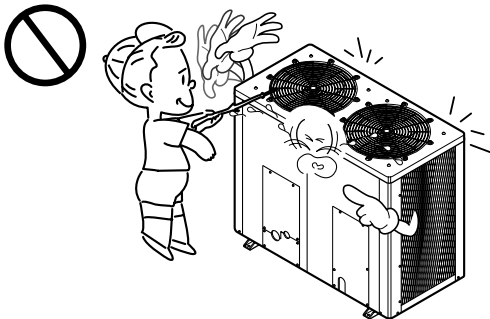
Do not operate with wet hand.

- It will cause electrical shock.



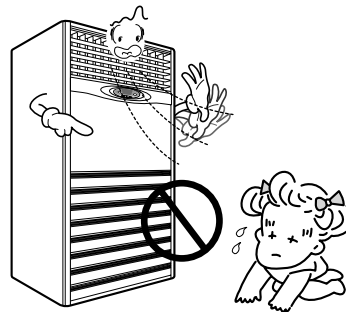
Do not insert anything into the air inlet/air outlet.

- Since the fan rotates at high speed, this may cause an injury or damage the unit.



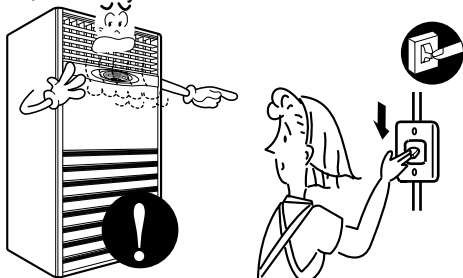
Do not expose the skin directly to cool air for long periods of time.

- This could damage your health.



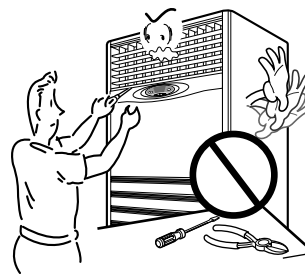
When an abnormality (smell of burning, etc) occurs, stop the air conditioner, and disconnect the power plug or turn off the circuit breaker.

- 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.

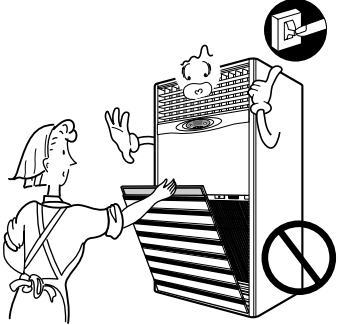
- If this is done incorrectly, it may cause a fire, electric shock, injury by dropping of the unit, water leakage, etc. Consult your dealer.



**CAUTION**

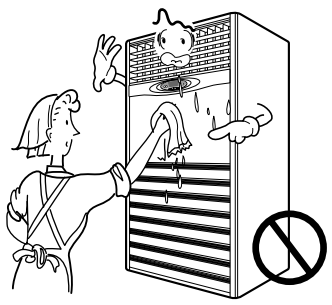
When the air filter is to be removed, do not touch the metal parts of the indoor unit.

- It may cause an injury.
- Should be disconnected from supply



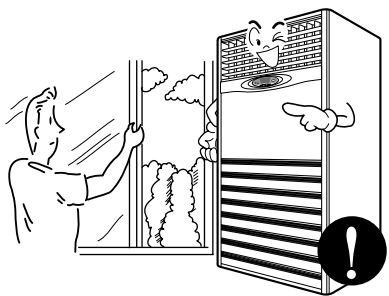
Do not clean the air conditioner with water.

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



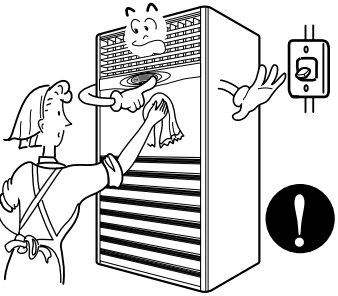
Ventilate well when used together with a stove, etc.

- An oxygen shortage may occur.



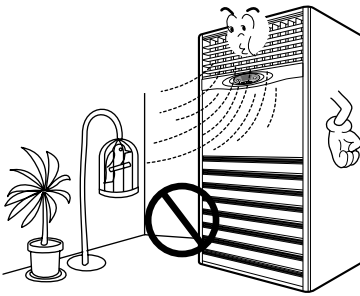
When the unit is to be cleaned, switch off, and turn off the circuit breaker.

- It may cause an electric shock, burning.



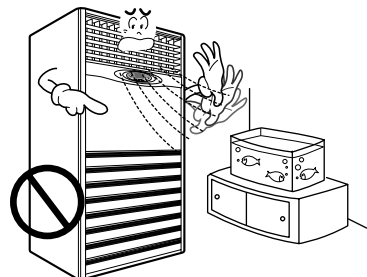
Do not put a pet or house plant where it will be exposed to direct air flow.

- This could injure the pet or plant.



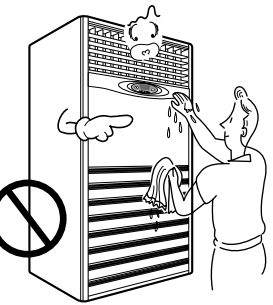
Do not use for special purposes.

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



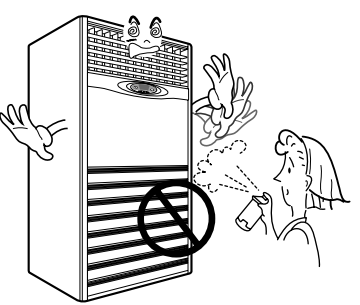
Do not operate switches with wet hands.

- It may cause an electric shock.



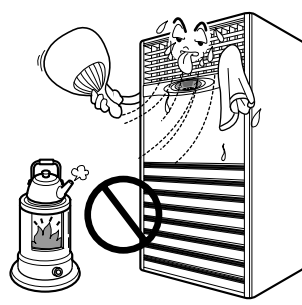
Do not apply an insecticide or flammable spray.

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



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

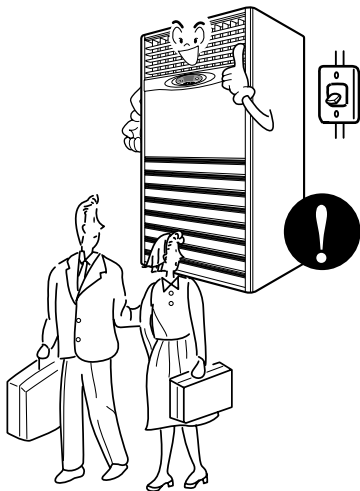
- It may affect combustion.



**CAUTION**

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.



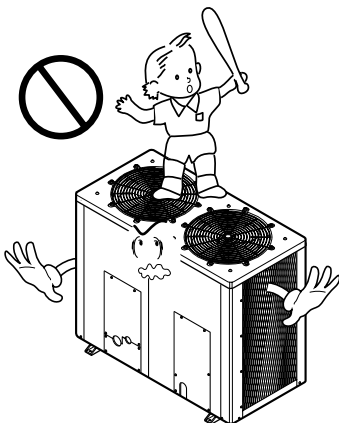
Do not operate for a long time in high humidity, e.g. leaving a door or window

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



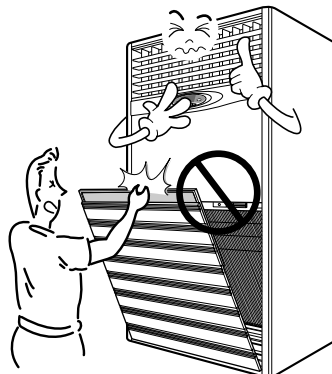
Do not step on the indoor/outdoor unit and do not put anything on it.

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



Do not open the air inlet grille during operation.

- It may cause an injury, electric shock by the high voltage.



**For installation**

**WARNING**

- Consult your dealer for installing the air conditioner.

**CAUTION**

Apply grounding.

- If grounding is incorrect, it may cause an electric shock.



Install a ground fault interrupter depending on the place where the air conditioner is to be installed. (humid place, etc.)

- If the ground fault interrupter is not installed, it may cause an electric shock.



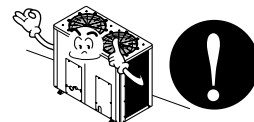
Do not install the unit where flammable gas could leak.

- If gas leaks and collects around the unit, it may cause an explosion.



Condensed water should be fully drained.

- If the drainage route is incomplete, water may drop from the unit. It may wet and spoil furniture.

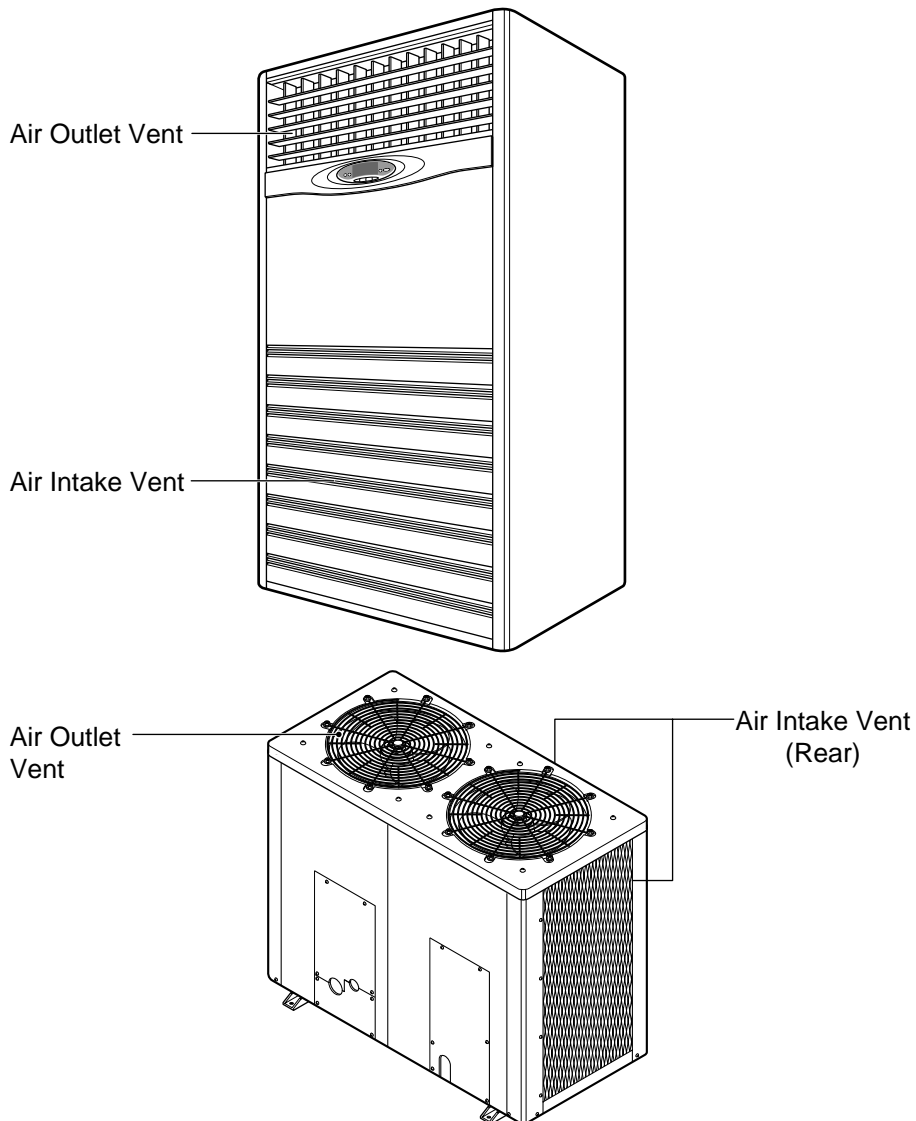


# Features and Specifications(LP-10091CL/XL, LP-15091CL/XL)

## Features

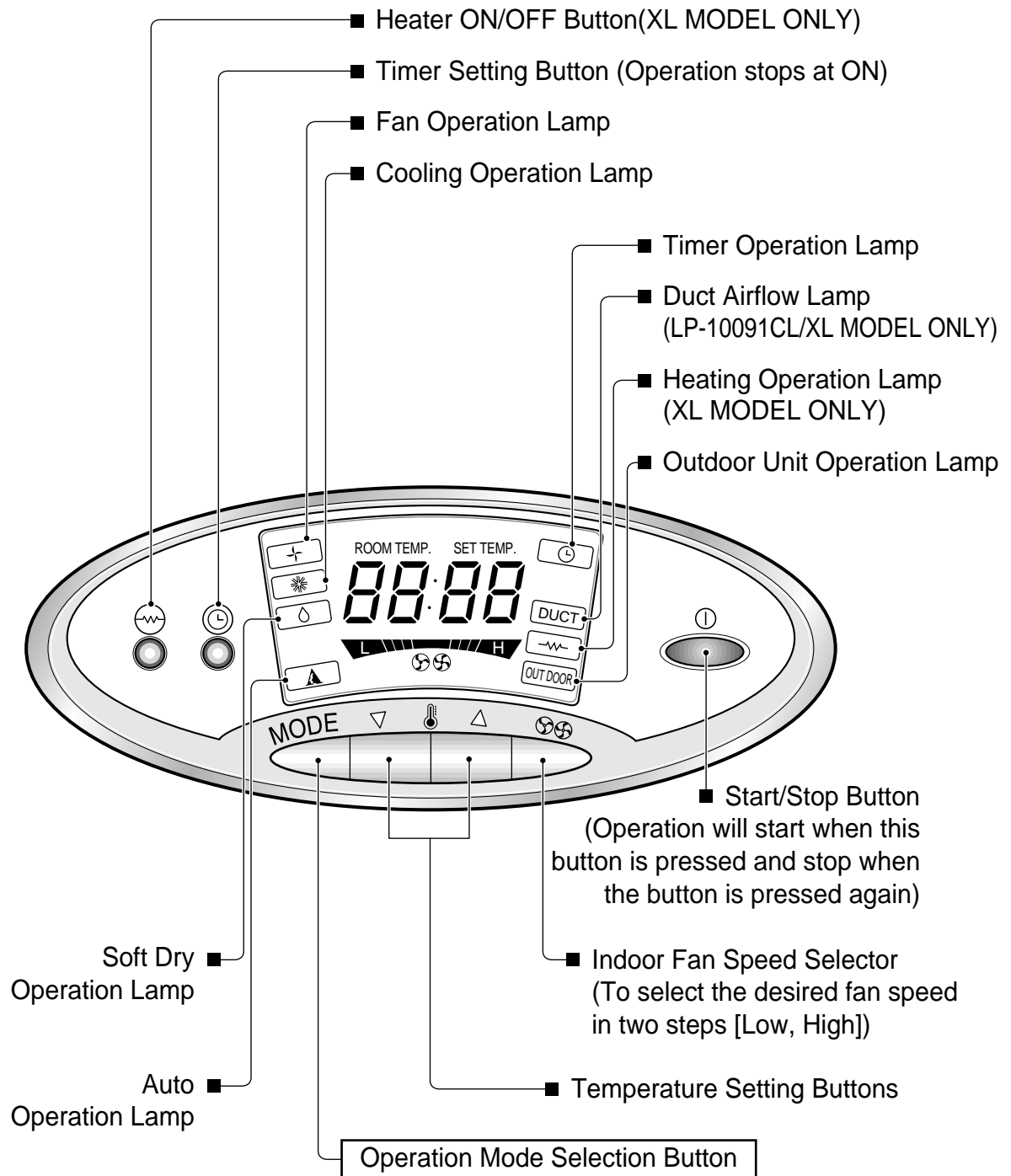
- |   |                                     |
|---|-------------------------------------|
| ① <i>Design for cooling and heating</i> | ⑤ <i>2 cooling / heating speeds</i> |
| ② <i>Super energy efficiency</i>        | ⑥ <i>Removable air filter</i>       |
| ③ <i>Micom control</i>                  | ⑦ <i>Anti-Bacteria filter</i>       |
| ④ <i>Whisper quiet operation</i>        | ⑧ <i>3 minutes delay circuit</i>    |

## Specifications



# Indoor Unit Controls and Indicators (LP-10091CL/XL, LP-15091CL/XL)

## Display

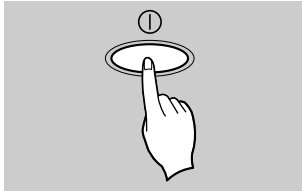




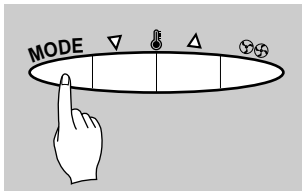
# Air Conditioner Operation

## 1 Cooling Operation Mode

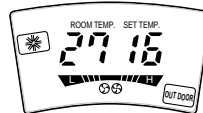
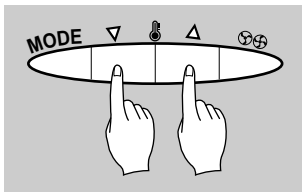
**1** Press the Start/Stop Button.



**2** Select Cooling Operation.  
Press the Operation Mode Selection Button.

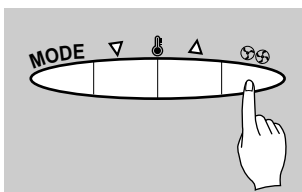


**3** Set the temperature lower than the room temperature.  
The temperature can be set within a range of 16°C~30°C by 1°C.



- Press the  $\Delta$  or  $\nabla$  button {  $\Delta$  To raise the temperature.  
 $\nabla$  To lower the temperature.

**4** Set the Fan Speed.

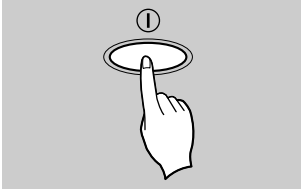


- Each time the Button is pressed, the Fan Speed mode is shifted. (HIGH LOW)

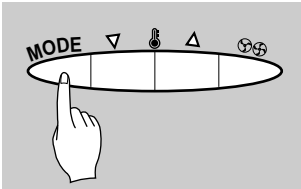
## 2

**Soft Dry Operation**

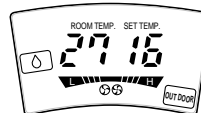
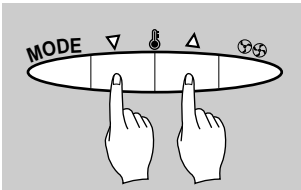
- 1** Press the Start/Stop Button.



- 2** Select Soft Dry Operation.  
Press the Operation Mode Selection Button.



- 3** Set the temperature lower than the room temperature.  
The temperature can be set within a range of 16°C~30°C by 1°C.



- Press the  $\Delta$  or  $\nabla$  button {  $\Delta$  To raise the temperature.  
 $\nabla$  To lower the temperature.

**During softy Dry Operation**

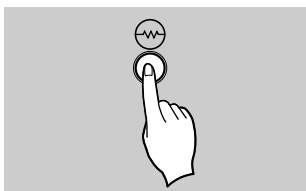
- The indoor fan speed is automatically set to low and cannot be adjusted.

## 3

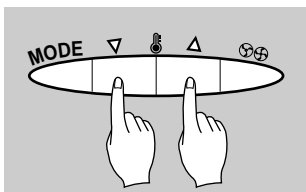
**Electric Heater Operation Mode(LP-10091XL, LP-15091XL)**

- This mode is designed to operate only when HEAT S/W is on in Main PCB.

- 1** Press the E/Heater Operation Button.  
(Operation will start after 10 seconds.)

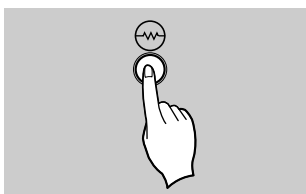


- 2** Set the temperature upper than the room temperature.  
The temperature can be set within a range of 16°C~30°C by 1°C.



- Press the  $\Delta$  or  $\nabla$  button {  $\Delta$  To raise the temperature.  
 $\nabla$  To lower the temperature.

- 3** Press the E/heater operation button once again to stop the operation, then all functions will stop.

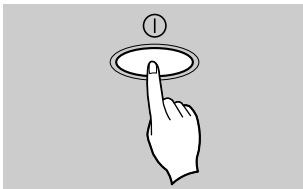
**Electric Heater Operation**

- This mode doesn't work on Cooling or Fan Operating mode.
- When stopping the operation, approximately 30 second delay time is set to protect the unit.  
This function is designed to cool the electric Heater.

**4****OFF Timer Setting Procedure(OFF TIMER Setting, or CANCEL)**

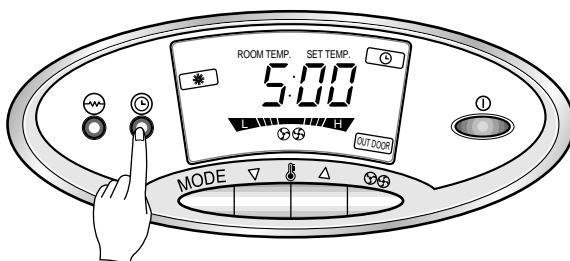
- This function is option.

**1** Press the Start/Stop Button.



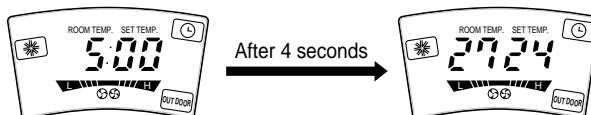
**2** Select Function.

**3** Press the Timer Button.



- If you press the button, the selected off timer is displayed as follows;  
1:00 → 2:00 → 3:00 → 4:00 → 5:00 → 6:00 → 7:00 → 0:00
- If you select ' 0:00 ', the Off Timer function will be cancelled.

**4** When you finish the Off Timer setting, the Timer indicator lights off.



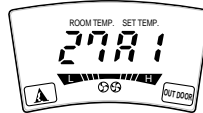
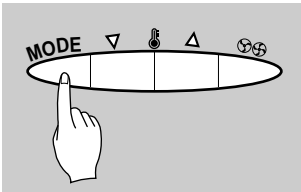
**5** During off-timer operation if you press the Timer Button, the rest time will be displayed.

## 5 Auto Operation Mode

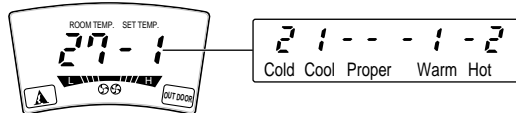
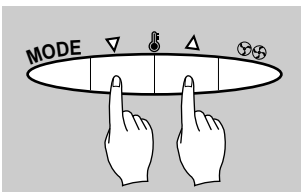
- 1 Press the Start/Stop Button.



- 2 Select Auto Operation.  
Press the Operation Mode Selection Button.



- 3 Set the temperature upper or lower than the standard temperature.  
The temperature can be set within a range of  $-2 \sim 2$  by 1 level.



(This indication will be shifted to the initial Auto Mode Display state after 4 seconds.)

- Press the  $\Delta$  or  $\nabla$  button  $\left\{ \begin{array}{l} \Delta \text{ To raise the temperature. (When you feel too cool or cold)} \\ \nabla \text{ To lower the temperature. (When you feel too warm or cold)} \end{array} \right.$

### During Auto Operation

- It is impossible to switch the indoor fan speed because of being already set to the best conditioner by fuzzy rule.

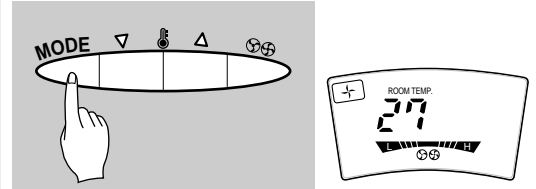
## 6

*Fan Operation Mode*

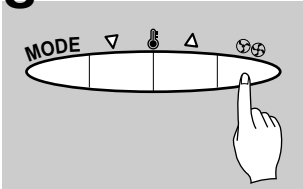
**1** Press the Start/Stop Button.



**2** Select Fan Operation.



**3** Set the Fan Speed.

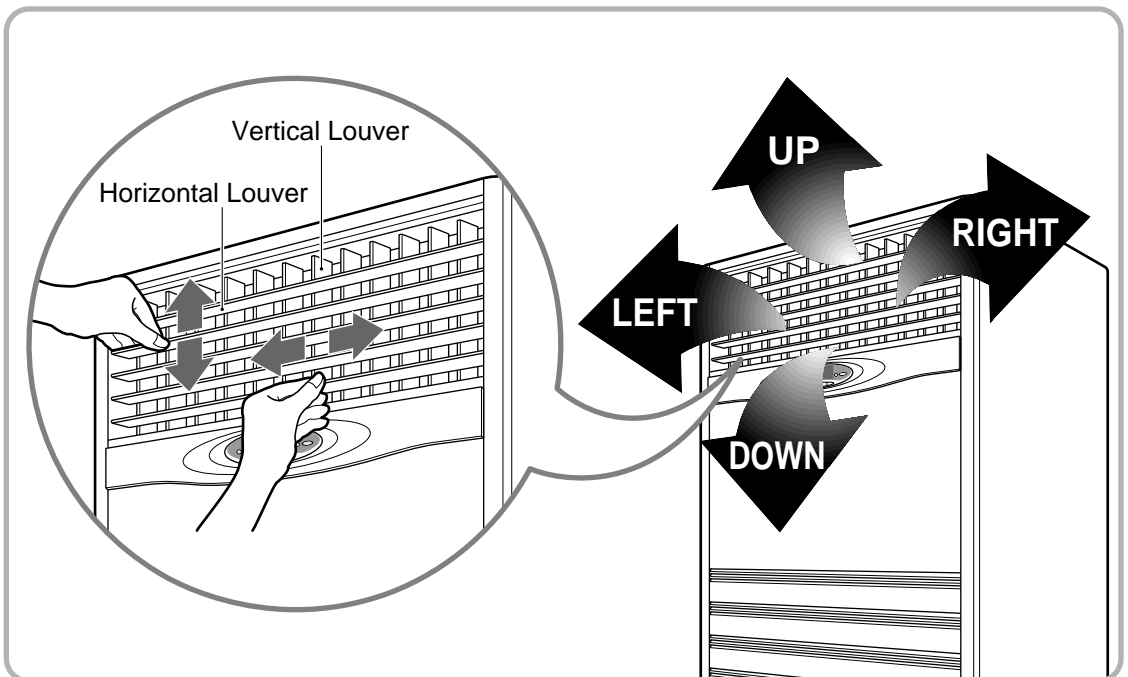


- Each time the Button is pressed, the Fan Speed mode is shifted.

## 7

*Airflow Direction Procedure*

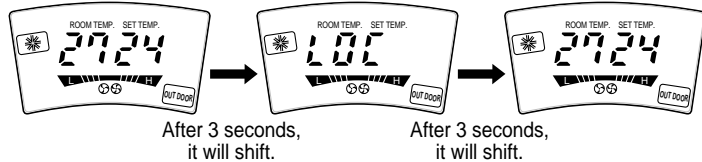
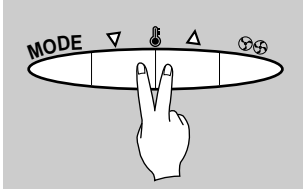
Adjust airflow direction manually by moving the horizontal or vertical louvers with hand.



## 8

## Child Lock Operation Procedure(Option)

- 1** Press the low and high temperature setting buttons simultaneously for 3 seconds.  
The unit will respond with beep.



- 2** During Child Lock Operation

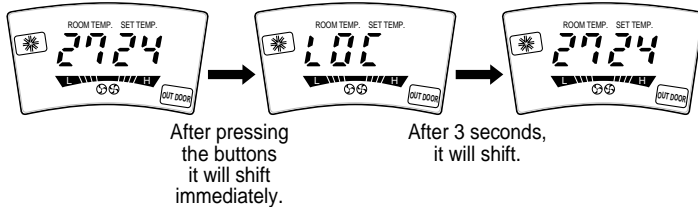
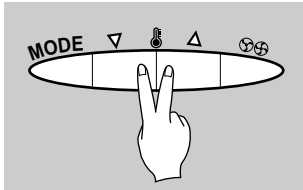
⌘ Whenever you press any Button on Display Panel, it will immediately display "LOC", which means Display panel is Locked.

‡ All the Button on the indoor unit Display panel will not work.

- 3** For releasing child lock Operation

Press the low and high temperature setting buttons simultaneously for 3 seconds again.

The unit will respond with beep, Child Lock Operation will removed.



### ■ WHAT IS AUTO RESTARTING OPERATION?

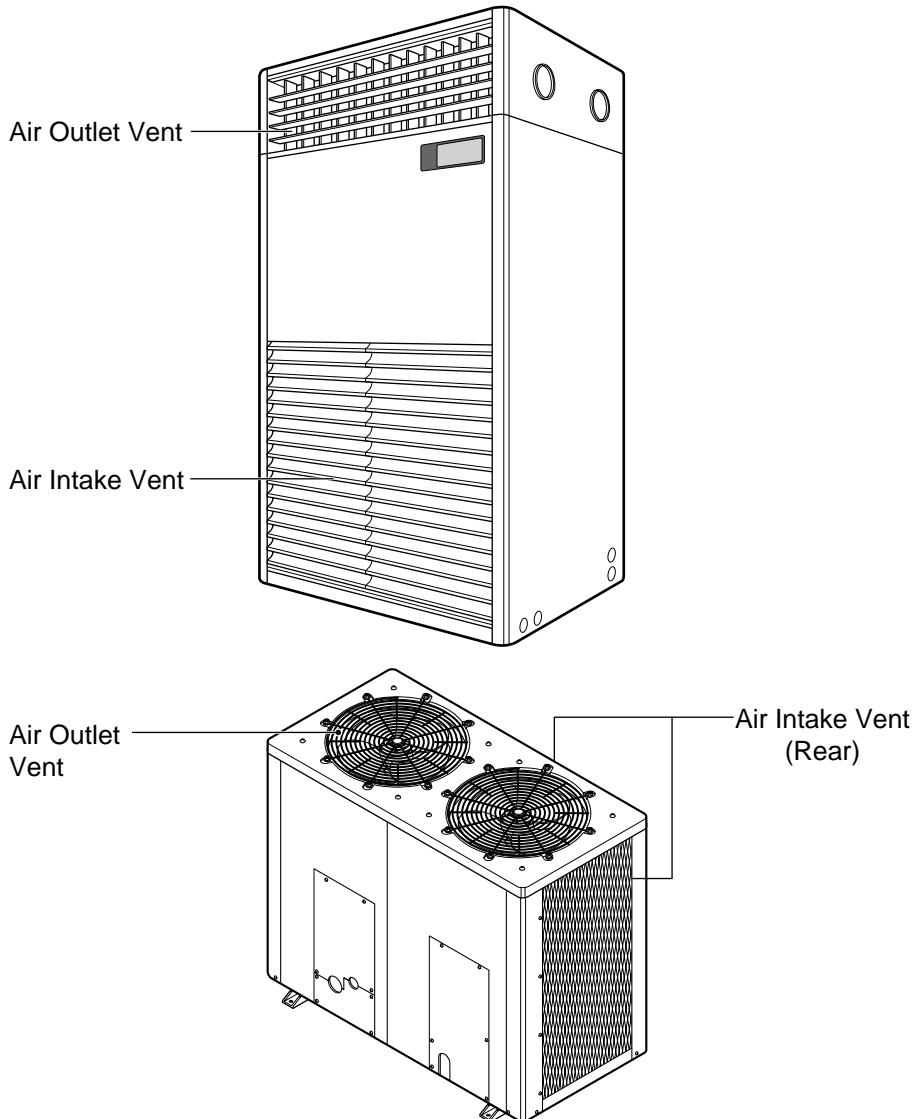
Although the air conditioner is turned off by a power failure, it is restarted automatically after a power failure.

# Features and Specifications(LP-20091CL/XL)

## Features

- 1 Design for cooling and heating
- 2 Super energy efficiency
- 3 1 cooling / heating speed
- 4 Removable air filter
- 5 Anti-Bacteria filter
- 6 3 minutes delay circuit

## Specifications





# Indoor Unit Controls and Indicators(LP-20091CL/XL)

## Controls

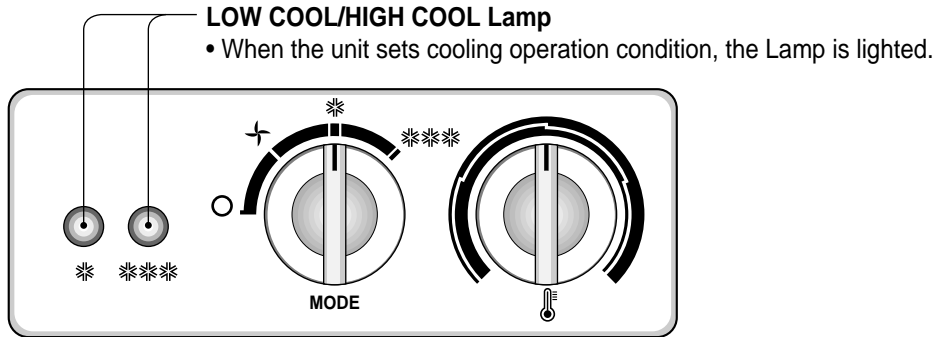
Safety Precautions

Operating Instructions

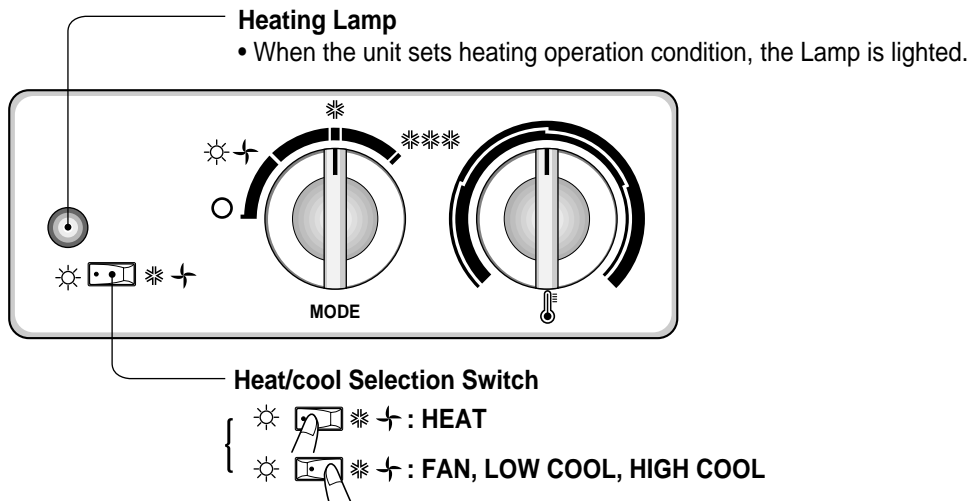
Care and Maintenance

Troubleshooting Tips

### Cooling model



### Heating and Cooling model



### Mode

- OFF ( O )** : Turns the air conditioner off.
- FAN ( + )** : Permits the fan operation without cooling(heating).
- Heating ( ☀ )** : Permits heating.
- LOW COOL ( \* )** : Low Cool operation
- HIGH COOL(\*\*\*)** : High Cool operation

### Temp( ℹ )

Turn the TEMP. control to the desired setting. The control position is a normal setting for average conditions. You can change this setting, if necessary, in accordance with your temperature preference.

If the room is too warm, turn the temp. control clockwise. If the room is too cool, turn the temp. control counterclockwise.

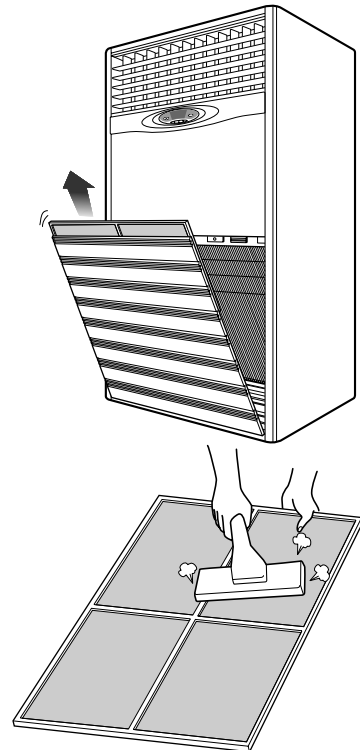
# Care and Maintenance

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

## During the season

### Cleaning of the air filters. Recommended about once every two weeks

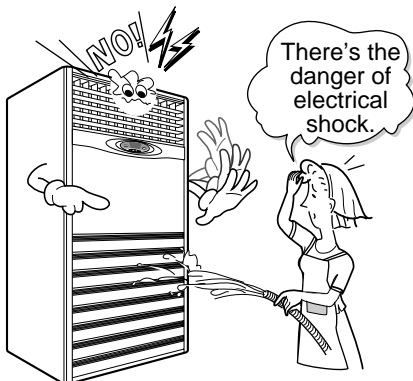
- 1 Remove the Air Filter.  
Take hold of the tab and pull slightly forward to remove the filter.



- 2 Clean.
  - To remove the dust adhering to the filters, either use a vacuum cleaner, or wash them in water and dry in the shade.
  - Re-insert the filter to the original position.

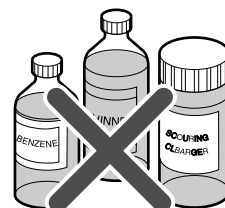
### Cleaning of the air conditioner

- Don't wash with water.
- Wipe with a soft dry cloth.



### Never use any of the followings.

- Water hotter than 40°C.  
Could cause deformation and/or discoloration.
- Volatile substances.  
Could damage the surfaces of the air conditioner.

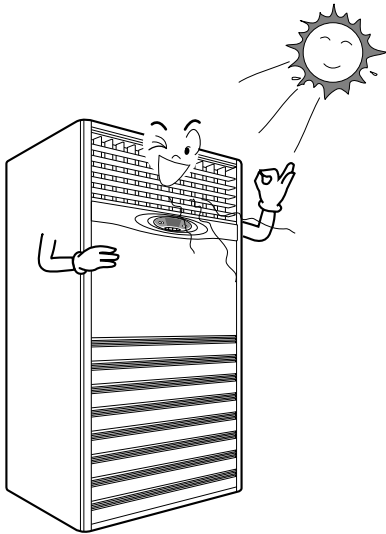


# Care and Maintenance

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

## At the end of the season

- 1 Operate the air conditioner at the following settings for 2 to 3 hours.
  - Type of operation : Cooling.
  - Temperature setting : 30°C.This will dry out the internal mechanisms.



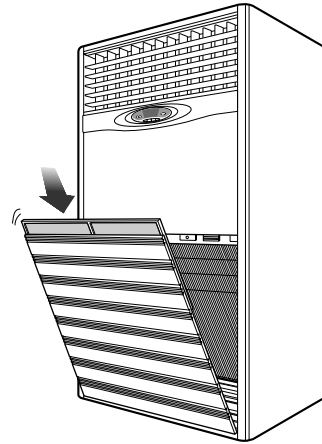
- 2 Turn off the circuit breaker, and disconnect the plug.

### CAUTION

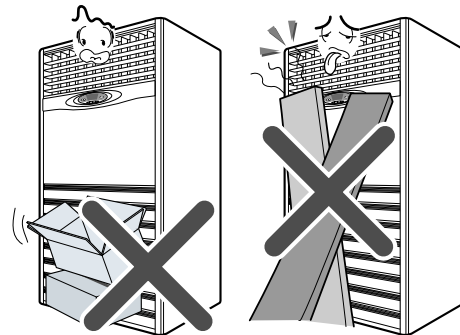
Turn off the circuit breaker when the air conditioner is not going to be used for a long time. Dirt may collect and may cause a fire.

## At the start of the season

- 1 Clean the air filters, re-insert, then operate the air conditioner.



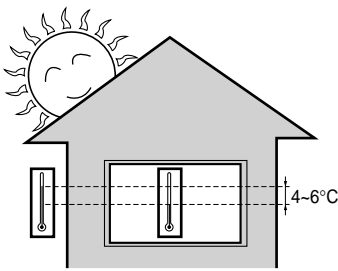
- 2 Be sure that nothing obstructs the air outlet and intake vents.



## Operation Tips

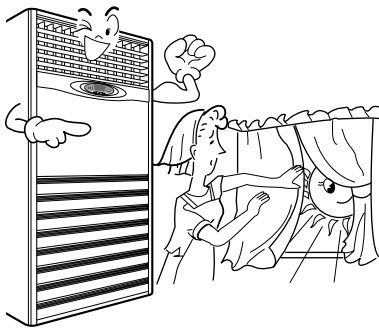
**Do not overcool the room.**

This is not good for your health and wastes electricity.



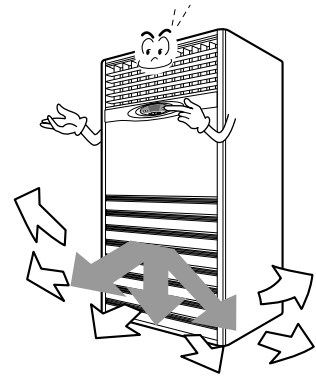
**Keep blinds or curtains closed.**

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



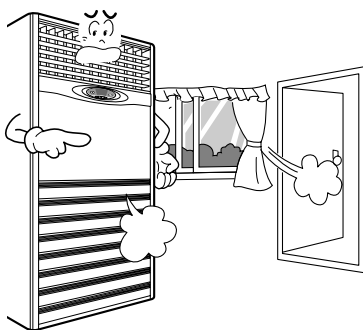
**Keep the room temperature uniform.**

Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room.



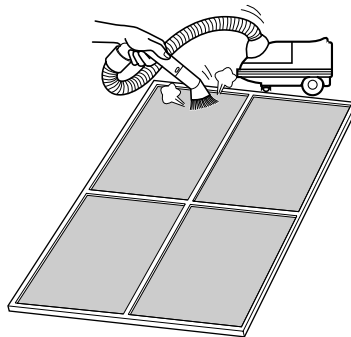
**Make sure that the doors and windows are shut tight.**

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



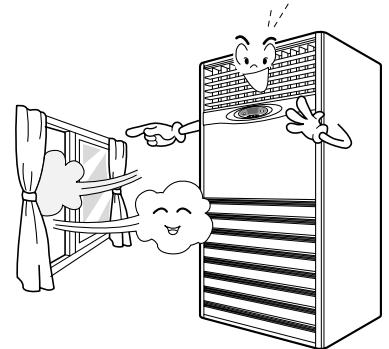
**Clean the air filter regularly.**

Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.



**Ventilate the room occasionally.**

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



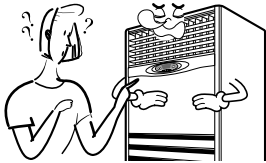
# Before you call for service...



## Troubleshooting Tips! Save time and money!

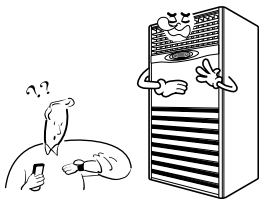
Check the following points before requesting repairs or service.... If the fault persists, please contact your dealer or service center.

### Does not operate.



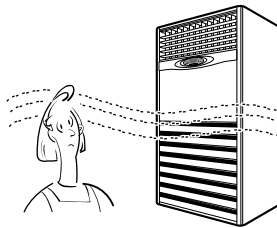
- Have you made a mistake in timer operation?
- Has the fuse blown or has the circuit breaker been tripped?
- Is the power Switch at Off?
- Is the unit at the starting of Heating Operation?
- If yes, Hot-start is activating.
- Is the unit in the Deicing?
- If yes, wait for finishing the Deicing.

### Air conditioner does not operate for about 3 minutes when restarted.



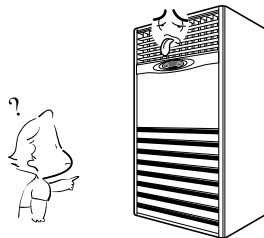
- This is the Protection device of the air conditioner .
- Wait about three minutes and operation will begin.
- If the airflow begins before its temperature become warm, it will cause an undesired cooling effect. In order to prevent this, the airflow will not begin until it is sufficiently warm.

### The room has a peculiar odor.



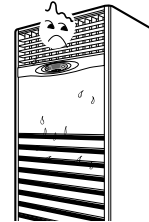
- Check that this is not a damp smell exuded by the walls, carpet, furniture, or cloth items in the room.

### Does not cool or heat effectively.



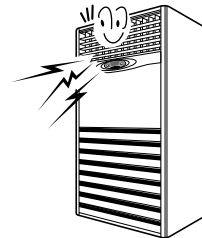
- Is the air filter dirty? See air filter cleaning instructions.
- The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down.
- Has the temperature been set incorrectly?
- Are the indoor unit's air inlet or outlet vents obstructed?

### It seems that condensation is leaking from the air conditioner.



- Condensation occurs when the airflow from the air conditioner cools the warm room air.

### The air conditioner operation is noisy.



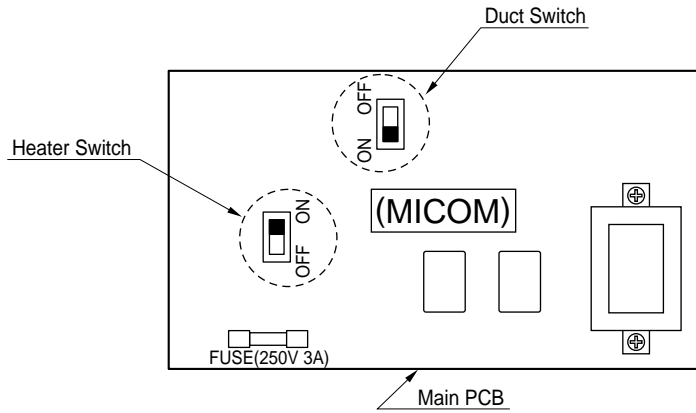
- For a noise that sounds like water flowing.
  - This is the sound of freon flowing inside the air conditioner unit.
- For a noise that sounds like the compressed air releasing into atmosphere.
  - This is the sound of the dehumidifying water being processed inside the air conditioning unit.

### NOTE

**WATER RESISTANT:** The outdoor side of this appliance is WATER RESISTANT.  
The indoor side is not water resistant and should not be exposed to excess water.

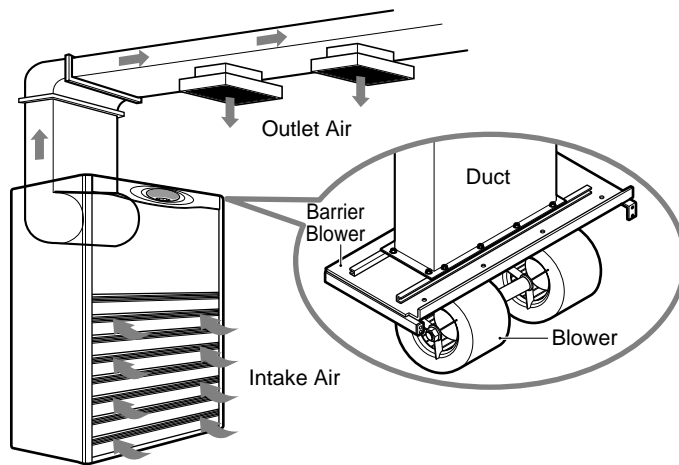
# The Method of Correct Duct Installation(LP-10091CL/XL ONLY)

• First of all, turn ON Duct switch of Main PCB.

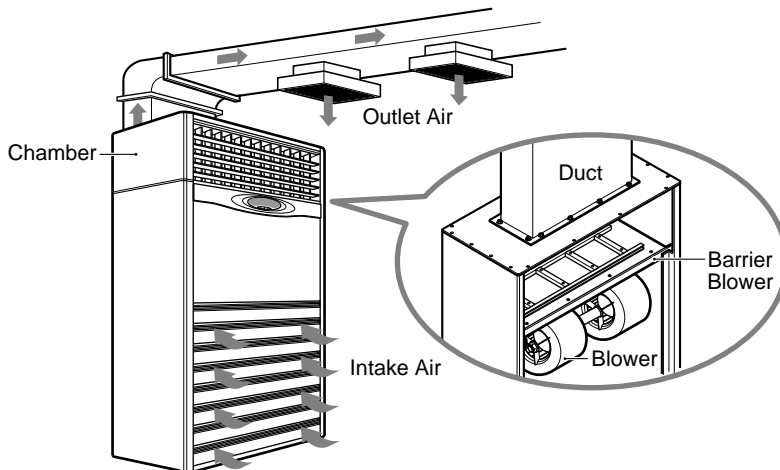


• After removing upper side chamber, connect the duct to the barrier blower directly.

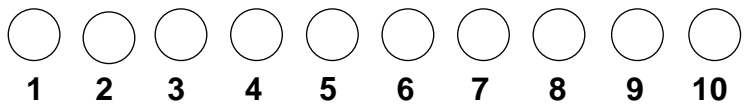
## Correct installation



## Bad installation



**Details of LG serial No.**



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

**Main Service Part List**

NO	PART NAME
1	COMPRESSOR
2	MOTOR
3	FAN
4	MAIN PCB ASSY
5	DISPLAY PCB ASSY
6	FRONT GRILLE
7	TRANSFORMER

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

