

# Remote Controlled Window Type Room Air Conditioner

## OPERATION MANUAL

HW-07LN03  
HW-09LN03  
HW-12LN03

- Please read this operation manual before using the air conditioner.

No.0010515219

# Contents

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Parts Name .....	2-3
Operation Guide .....	4-8
Maintenance .....	9-12
Trouble Shooting .....	12
Installation Guide .....	13-14

The machine is adaptive in following situation:

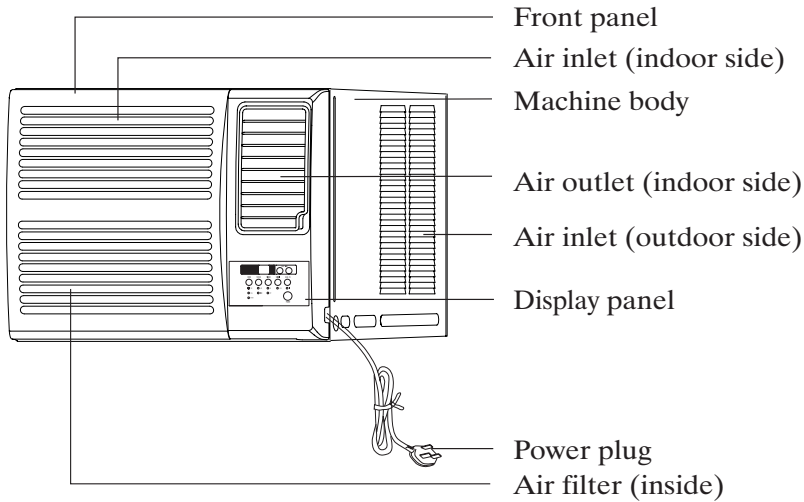
1. Applicable ambient temperature range:

Cooling	Indoor	Maximum: D.B/W.B	32 °C/23 °C
		Minimum: D.B/W.B	18 °C/14 °C
	Outdoor	Maximum: D.B/W.B	43 °C/26 °C
		Minimum: D.B	18 °C

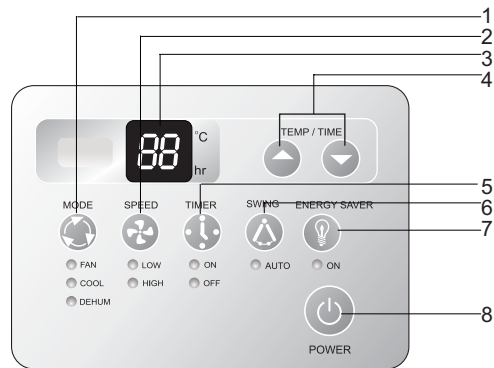
2. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person.
3. After installation, the power plug should be easily reached.
4. The wiring method should be in line with the local wiring standard.

# Parts and Functions

## Machine body



## Control panel

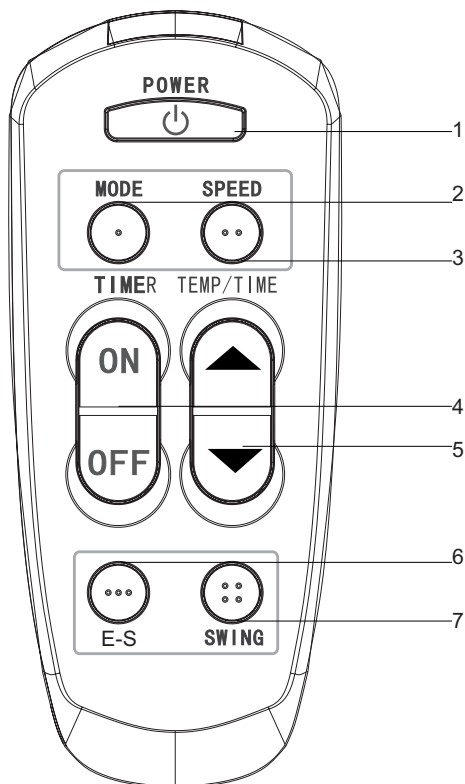


1. **MODE**  
Used to select operation mode:FAN,COOL,DEHNM.
2. **SPEED**  
Used to select desired fan speed:HIGH or LOW.
3. **TEMP./TIME display**
4. **TEMP. or TIME set**  
Used to set TIME or TEMP. setting.
- 5.**TIMER**  
Used for TIMER start or stop .
- 6- **SWING**  
Used to activate the vertical louver.This will give you an even airflow throughout the room.
7. **ENERGY SAVER**
8. **POWER**  
Press it to start unit and press it again to stop.

# Parts and Functions

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## Remote controller



1. POWER  
Press it to start unit and press it again to stop.
2. MODE  
Used to select operation mode:  
FAN,COOL,DEHNM.
3. SPEED  
Used to select desired fan speed.
4. TIMER button  
Used for TIMER start or stop .
5. TEMP. or TIME set  
Used to set TIME or TEMP. setting.
6. E-S  
ENERGY SAVER
7. SWING  
Used to activate the vertical louver.This will give you an even airflow throughout the room.

## Remote controller's operation

- When in use, put the signal transmission head directly to the receiver hole on the indoor unit.
- Don't throw the controller, prevent it from being damaged.
- When electronic-started type fluorescent lamp or change-over type fluorescent lamp or wireless telephone is installed in the room, the receiver is apt to be disturbed in receiving the signals so the distance to the indoor unit should be shorter.

# COOL operation

## 1. Start

Press POWER button

## 2. Select operation mode

Press MODE button. For each press, operation mode changes as follows:  $\text{FAN} \rightarrow \text{COOL} \rightarrow \text{DEHUM}$

When the COOL display light bright, A/C will be working under the cooling function.

## 3. Select temp. setting

Select desired temp., by using "▲" or "▼" button.

"▲" Each press will increase temp.setting by 1°C.

"▼" Each press will decrease temp.setting by 1°C.

## 4. Fan speed selection

If you choose the SPEED mode you can run the fan in one of the 2 speeds:HI or LO.

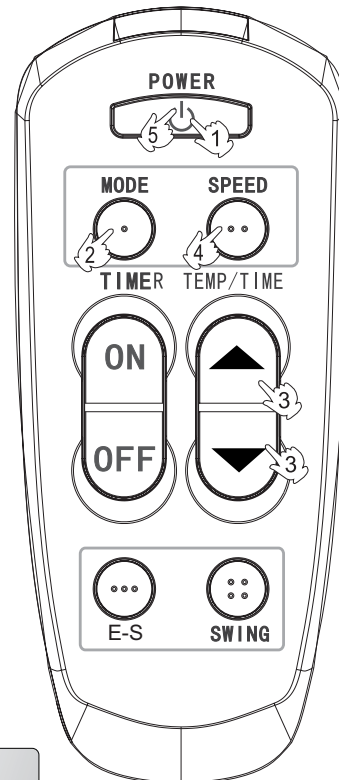
Select desired setting.

Change air flow direction if necessary.

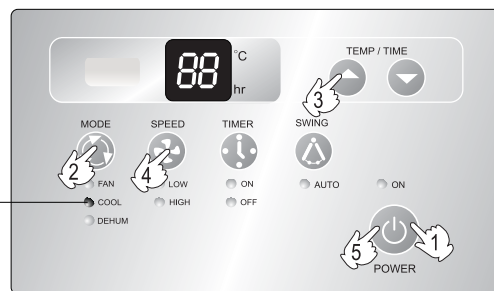
## 5. Stop

Press POWER button again.

Remote controller



Control panel



### Cautions:

To protect unit system, don't restart until 3 minutes have elapsed.

If the unit has been running under large humidity for a long time, dew might occur at outlet grille.

# DEHUMID mode

## 1. Start

Press POWER button

## 2. Select operation mode

Press MODE button. For each press, operation mode changes as follows: → FAN → COOL → DEHUM →

When the DEHUM display light bright, A/C will be working under the dehumidify function.

If you need to only remove the moisture press the Dehumid button.  
Change air flow direction if necessary,

## 3. Select temp. setting

Select desired temp., by using "▲" or "▼" button.

"▲" Each press will increase temp.setting by 1°C.

"▼" Each press will decrease temp.setting by 1°C.

## 4. Fan speed selection

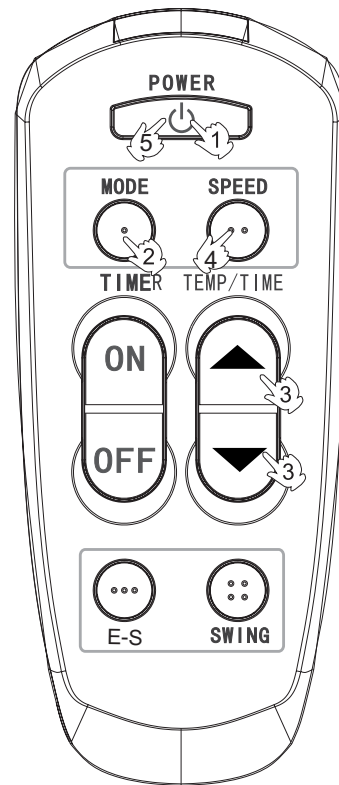
If you choose the SPEED mode you can run the fan in one of the 2 speeds: HI or LO.

Air conditioner is running under displayed fan speed.  
In DRY mode, when room temperature becomes lower than temp.setting + 2°C, unit will run intermittently at LOW speed regardless of FAN setting.

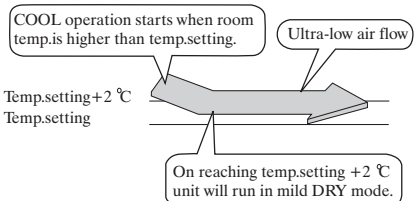
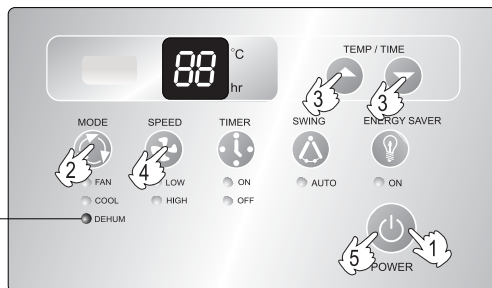
## 5. Stop

Press "POWER" button again.

Remote controller



Control panel



### Cautions:

The compressor may cycle for 10 minutes on and 6 minutes off in Dehumid mode.  
Air blown out will be very cold at relatively low room temp..

# FAN operation

## 1. Start

Press **POWER** button

## 2. Select operation mode

Press **MODE** button. For each press, operation mode changes as follows: **FAN** → **COOL** → **DEHUM**

When the **FAN** display light bright, A/C will be working under the fan function.

In some days you may want to run the "Fan" function.

Press the **FAN** button.

## 3. Fan speed selection

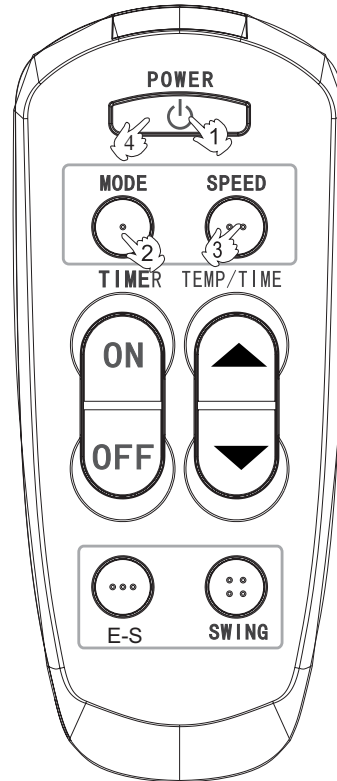
Here the fan runs only at **HI** or **LO** speed.

Change air flow if necessary.

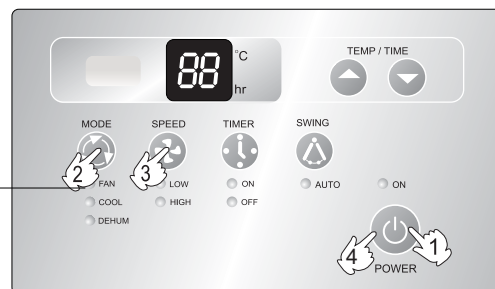
## 4. Stop

Press **POWER** button again.

Remote controller



Control panel



### Hints

Compressor won't start in **FAN** mode, only fan motor will run at selected speed.

# ENERGY SAVER operation

## 1. Start

Press POWER button

## 2. Select operation mode

Press MODE button. For each press, operation mode changes as follows: FAN → COOL → DEHUM

Then select COOL operation

When the FAN display light bright, A/C will be working under the fan function.

Saving energy function only can be used when A/C working on cooling condition.

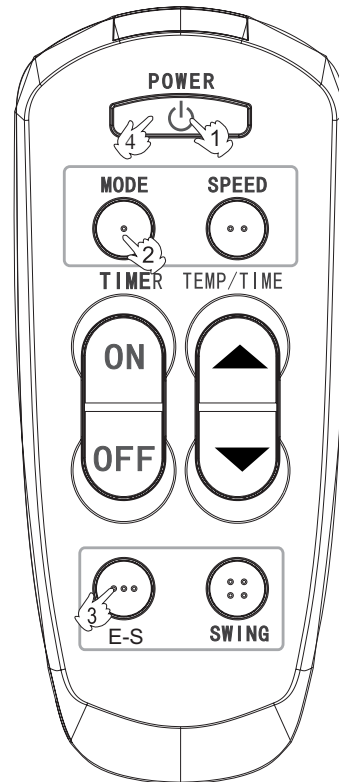
## 3. ENERGY SAVER selection

When this feature is "On", the fan will shut off three minutes after the compressor cycles off. This will reduce energy consumption and noise. When the compressor turns back on, the fan will turn on at the same time. In the "Off" position, the fan will not shut off when the compressor cycles off.

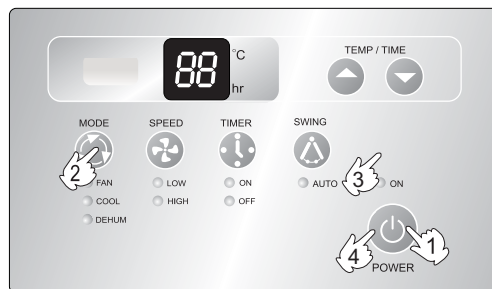
## 4. Stop

Press POWER button again.

Remote controller



Control panel





# Timer operation

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With this function, unit will start or stop at the time you want.

1. Start unit and select desired operation mode.
2. Select Timer function

Timer On or Off stop mode is used to preset or shut off your unit in advance .  
You can program this up to 24 hours in advance. You can use the Timer in 3 functions i.e cool ,Dehumid, or Fan only. Select desired mode. (TIMER On or Off stop)

- **Timer On**

Unit must be on to set the timer. Unit will shut down automatically after it accepts the settings in 5 seconds. Use this mode to preset the start time of the unit 24 hours in advance.

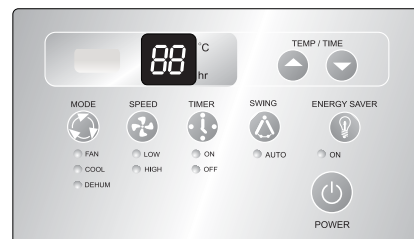
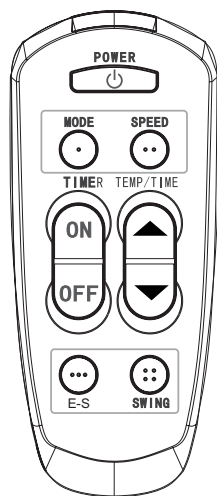
- a) Press "On" of remote controller or "TIMER" of control panel, LED display will show "01". (Electrify for the first time)
- b) Set desired number by pressing the (▲) pad of the Temp/Time buttons. One for each hour .If you passed the desired time use the (▼) pad key to lower the selection.

- **Timer Off**

Unit must be running to set the timer off. Use this to preset the time you would like the unit to shut off.

- a) Press "Off" of remote controller or "TIMER" of control panel, LED display will show "01". (Electrify for the first time)
- b) Set desired number by pressing the (▲) pad of the Temp/Time buttons. One for each hour. If you passed the desired time, use the (▼) pad key to lower the selection.

When using the timer the unit will use/revert to the last A/C , fan settings when activated. The timer must be reset every time you choose to use it.



## Function introduction

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- 3 minutes delay function

The compressor must stand by for 3 minutes before it is restarted after shut down, There is no 3-minute protection with power on for the first time.

- Power failure resume (please set and apply as necessary)

If sudden power failure occurs, the unit will resume original operation when power is supplied again.

Note:

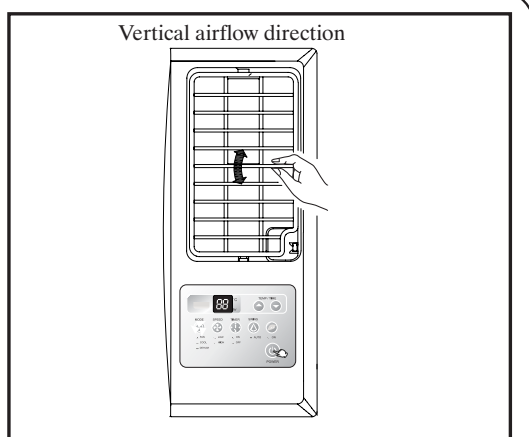
When sudden power failure happens during unit operation in power failure resume mode, if the air conditioner is not desired for use in a long period, please shut off the power supply in case that the unit automatically resume operation when power is re-supplied, or press POWER to turn off the unit when power resumes.

## Operation

### Adjusting of the air direction

#### Airflow Direction Vane

- The Vertical Airflow Direction Vane is manually controlled by positioning the vane to discharge the air upward, downward or straight out.
- The horizontal air direction is adjusted by setting the AUTO SWING ON.



#### Note:

- It is advisable not to keep vertical flap at downward position for a long time in COOL or FAN mode, otherwise, condensate water might occur.
- Don't move the horizontal flap with hand in order to avoid the vertical flap abnormal, using the remote controller to adjust the move of vertical flap.

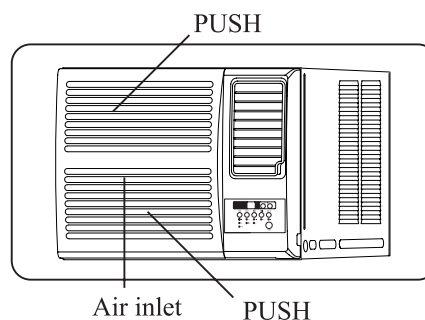
# Maintenance

**NOTE: Always unplug the air conditioner before servicing or moving it.**

When dirt accumulates on air filter, air circulation will be blocked, which causes poor cooling. It is advisable to clean air filter every two weeks for longer operation.

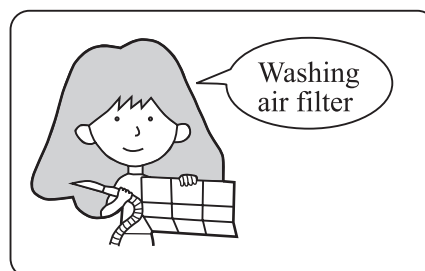
## Removal of air filter

1. Loosen the air inlet by pushing "PUSH" at both edges as shown.
2. Open the air inlet.
3. Remove the air filter.



## Air filter cleaning

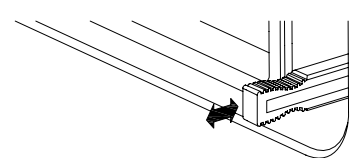
1. Gently flap the dirt off the air filter.
2. Carefully wash air filter in warm water (below 40°C). To obtain better cleaning effect, soap water or neutral detergent may be used.
3. Flush air filter carefully with clean water after removing dirt. Let it dry completely.



## Installation of filter

1. Replacing the air filter.
2. Push the air inlet marked with "PUSH" until you hear a click.

- "☐ CLOSE" position, the vent door opens to allow air, smoke or odors to be expelled from the room;
- "☐ OPEN" position, the vent door is closed and the air inside the room is circulated and conditioned.

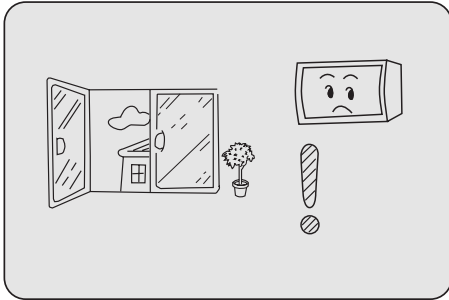


☐ CLOSE    ☐ OPEN

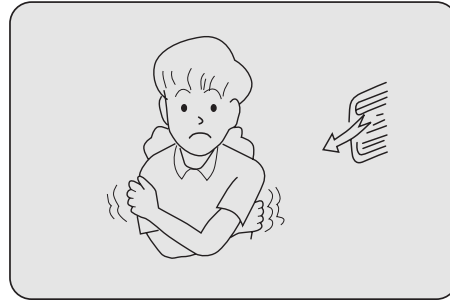
# Maintenance

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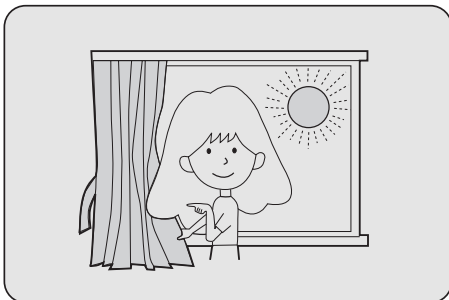
- Avoid opening doors and windows unless necessary.



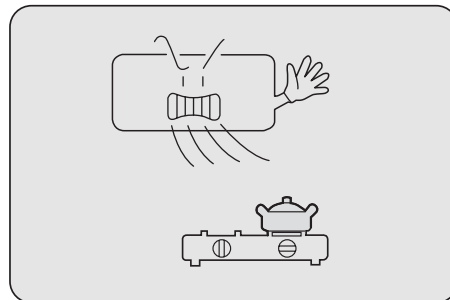
- Don't be exposed to cold air for a long time.



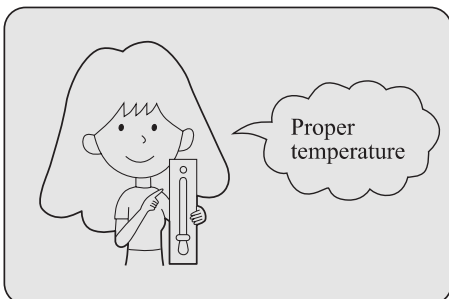
- Use curtain or blind  
Direct sunlight may reduce cooling effect, always use window curtain.



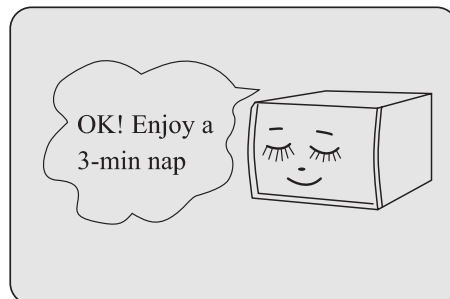
- Keep heat source away from air conditioner.



- Set temp . a little bit higher before going to bed.



- After unit stops, don't restart it until 3 min. have elapsed.



# Maintenance

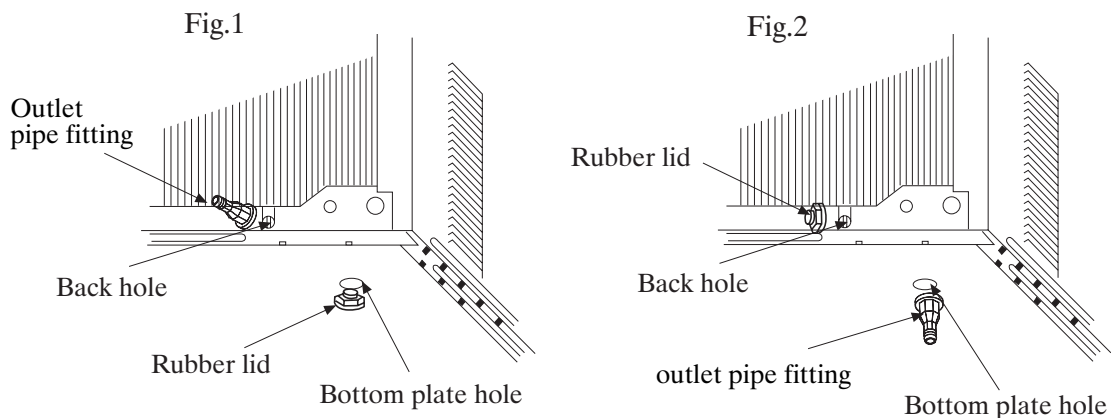
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## Disposal of the condensed water

Generally there are two methods available on disposal of the condensed water:

1. Block the bottom plate hole of the conditioner with rubber lid, install outlet pipe fitting on the back hole and let the condensing water flow from the back hole of the conditioner. (See Fig.1 )  
In this method, the accumulated condensed water in the bottom plate is hit by the fan onto the heat exchanger, and evaporated and blown out from the machine. It can cool the heat exchanger radiator more quickly, and improve the energy efficiency of the conditioner. But the hitting noise by the fan at the outdoor side is relatively large.
2. Block the back hole of the conditioner with rubber lid and install outlet pipe fitting to the bottom hole, which can make the condensed water flow out from the bottom plate. (See Fig.2)  
If necessary the above two methods can both have extra pipe added on the outlet pipe fitting. (available on the market).

(Refer to P12 for choosing these two modes.)



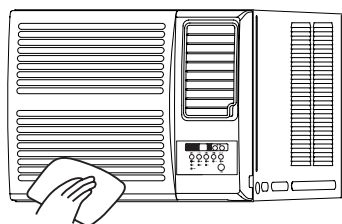
### Cautions

- Power cord: Be sure to use the exclusive power cord.
- Change installation place: If air-con need to be changed to another place please contact the dealer, who sold you the unit.

## Maintenance

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Cleaning of the shell and remote controller



\*Wipe the shell with soft cloth. If it is very dirty, please use water with diluted neutral detergent. In wiping, first twist out the water in the cloth.

\*Wipe out the detergent on the machine shell completely.

## Trouble shooting

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Before sending to repair, please first check the following:

Phenomenon	Reason
Switch on the machine but it does not work immediately.	If the machine is started after stop, it will need about 3 minutes to re-start so as to prevent the fuse from break.
Switch on the machine but it does not work.	<ol style="list-style-type: none"><li>1. Is the power on?</li><li>2. Is the fuse broken?</li><li>3. Is plug firmly inserted?</li></ol>
The cooling effect is not good.	<ol style="list-style-type: none"><li>1. Is the air inlet or outlet entrance blocked?</li><li>2. Is there direct sunlight in cooling?</li><li>3. Are the doors and windows closed?</li><li>4. In cooling are there too many heating sources?</li><li>5. Is the filter too dirty (generally it should be washed every two weeks)?</li></ol>

# Installation instruction

## Selection of the installation position

1. The air-conditioner is better installed in shadow or in a place with short period of sunshine. In case the air-conditioner is installed at the point exposed directly to the sunshine, it should be protected from the direct sunlight as possible in order to avoid the long time of direct sunlight otherwise its performance will be lowered. (As illustrated in Fig. 1).
2. For the convenience of operation, it is recommended that air-conditioner be installed at least at the height of 760-1300 mm above the floor and no obstacles before it for a free airflow.
3. The shutters at both sides and the top of air-conditioner should be protruded outdoors free from being blocked by wall, window, etc.
4. The back of air-conditioner should be kept over 500mm from the obstacles (for example, wall, etc.) (As illustrated in Fig. 2).
5. To have an efficient drainage, the back part of the air-conditioner should be inclined downward by 5-10mm (As illustrated in Fig. 3).

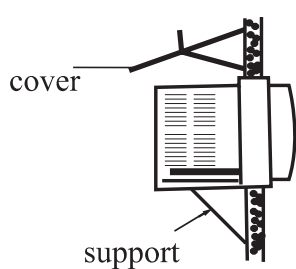


fig.1

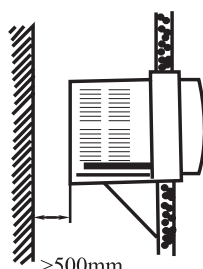


fig.2

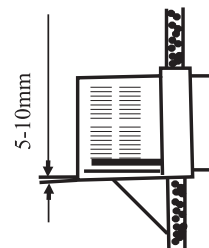


fig.3

The enclosed accessories of the conditioner are:

Name	Manual	Battery (R-03 dry battery)	Outlet pipe fitting	Sealed gasket	Drain pan	Screw	Remote controller
Figure							
Quantity	1	2	1	1	1	2	1

# Installation instruction

1, Make the wall hole or window hole (see Fig.1).

MODEL	A	B
HW-09LN03 HW-07LN03	355mm	471mm
HW-12LN03	381mm	600mm

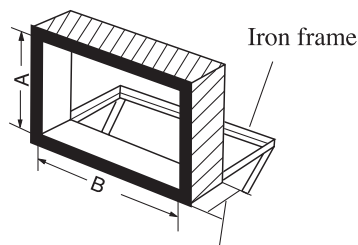


Fig.1 Width of the wall

- Fix the prefabricated iron frame to stable position by expansible screws.
- Take out the conditioner and accessories from the package .
- Lift the back of the machine body slightly. You can see the drain hole at the back of the bottom plate. Plug the black rubber lid of the enclosed accessories into the hole. (see Fig. 2).

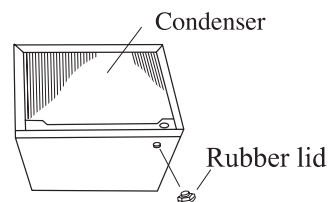


Fig.2

- Plug the drain elbow of the enclosed accessories (with seal ring) into the drain hole on the vertical wall at the back of the bottom plate (see Fig. 3)
- If you need to lead the condensed water to indicated position, please purchase a piece of plastic pipe with inner diameter of  $\phi 16$ , set it on the drain elbow and tie it tightly.

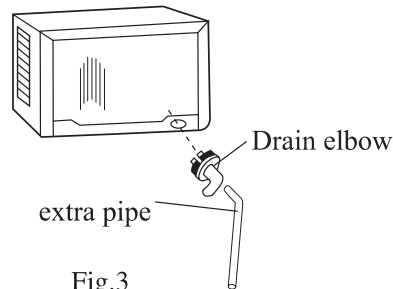


Fig.3

- After installation of all the accessories, put the whole machine on the iron frame. If there's extra pipe, lead the pipe to needed position (see Fig.4).
- Fill any distance between the wall hole and the machine body with flexible sponge rubber strip to prevent the entering of outer noise and the leaking of the coolness.
- After installation of the conditioner, insert the power plug into the outlet and perform test-run.

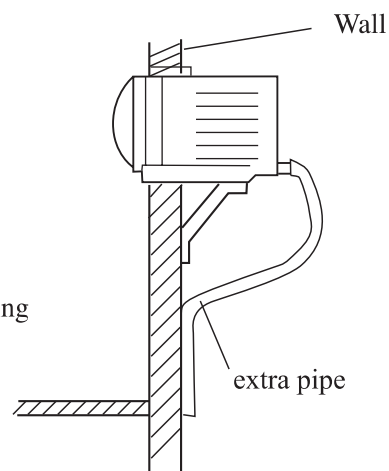


Fig. 4