

MRV Intelligent Network Indoor Air-conditioner

Four way cassette type

AB092FEAIA AB092FEBIA
AB142FEAIA AB142FEBIA
AB182FEAIA AB182FEBIA
AB282FEAIA AB282FEBIA
AB362FEAIA AB362FEBIA

AB122FEAIA AB122FEBIA
AB162FEAIA AB162FEBIA
AB242FEAIA AB242FEBIA
AB322FEAIA AB322FEBIA
AB452FEAIA AB452FEBIA

TWO way cassette type

AB072FDAHA AB072FDBHA
AB122FDAHA AB122FDBHA
AB162FDAHA AB162FDBHA
AB242FDAHA AB242FDBHA

AB092FDAHA AB092FDBHA
AB142FDAHA AB142FDBHA
AB182FDAHA AB182FDBHA
AB282FDAHA AB282FDBHA

Convertible Type

AC092FEAHA AC092FEBHA
AC122FEAHA AC122FEBHA
AC162FEAHA AC162FEBHA
AC182FEAHA AC182FEBHA

AC242FEAHA AC242FEBHA
AC282FEAHA AC282FEBHA
AC322FEAHA AC322FEBHA

Duct Type

AD182FIAHA AD182FIBHA
AD282FIAHA AD282FIBHA
AD362FIAHA AD362FIBHA

AD242FIAHA AD242FIBHA
AD322FIAHA AD322FIBHA
AD452FIAHA AD452FIBHA

Split Type

AS072FAAHA AS072FABHA
AS092FAAHA AS092FABHA
AS122FAAHA AS122FABHA

AS142FAAHA AS142FABHA
AS162FAAHA AS162FABHA
AS182FAAHA AS182FABHA

Ceiling concealed type

AE072FEAHA AE072FEBHA
AE092FEAHA AE092FEBHA
AE142FEAHA AE142FEBHA
AE182FEAHA AE182FEBHA

AE122FEAHA AE122FEBHA
AE162FEAHA AE162FEBHA
AE242FEAHA AE242FEBHA
AE242FLAHA AE242FLBHA

No. 0010570352

B

- Please read this instruction manual before using the air conditioner
- Please keep this manual carefully and safely.

Cautions

Disposal of the old air conditioner

Before disposing an old air conditioner

that goes out of use, please make sure it's inoperative and safe.

It must be noticed that air conditioners require specialized waste disposal. The

valuable materials contained in a air conditioner can be recycled. Contact your local disposal center, and contribute to

environmental awareness by insisting on a safe disposal.

All these valuable materials may be taken to a waste collecting center and used again after

Unplug the air conditioner. Consult your local authorities for the name

and address of the waste collecting

center. Contact your local disposal

center, and contribute to environmental awareness by insisting on a safe disposal.

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Unplug the air conditioner. Consult your local authorities for the name and address of the waste collecting center. Contact your local disposal center, and contribute to environmental awareness by insisting on a safe disposal.

Before starting the air conditioner, read the information given in the User's Guide carefully. The User's Guide contains very important observations relating to the assembly of the air conditioner.

The manufacturer does not accept responsibility for damage to property caused by the use of the air conditioner.

Disposal of the packaging of your new air conditioner

All the packaging materials employed in the package of your new air conditioner may be disposed without any danger to the environment.

The cardboard box may be broken or cut into smaller pieces and given to a waste paper disposal service. The wrapping bag made of polyethylene and the polyethylene

• Damaged air conditioners are not to be put into operation. In case of doubt, consult your supplier.

• Use of the air conditioner is to be carried out in strict compliance with the relative instructions.

• Installation shall be done by professional people, don't install paid by yourself.



Большая библиотека технической документации
<http://splitoff.ru/tehn-doc.html>
каталоги, инструкции, сервисные мануалы, схемы.

Cautions

- For the purpose of the safety, the air conditioner must be properly grounded in accordance with specifications.

- Always remember to unplug the air conditioner before opening inlet grill. Never unplug your air conditioner by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet.

- All electrical repairs must be carried out by qualified electricians. Inadequate repairs may result in a major source of danger for the user of the air conditioner.

- Do not damage any parts of the air conditioner that carry refrigerant by piercing or perforating the air conditioner's items, crushing or twisting off the surfaces. If the refrigerant spurts out and gets into eyes, it may result in serious eye injury.

- Do not obstruct or cover the ventilation grille of the air conditioner. Do not put fingers or any other things into the inlet/outlet and swing louver.

- Do not allow children to play with the air conditioner. In no case should children be allowed to sit on the outdoor unit.

Specifications

1) The refrigerating circuit is leak-proof.

2) Please keep the air-conditioner under conditions in the following table during operation.

Cooling	Outdoor temperature (D.B.)	Above-5°C and below 43°C
	Indoor temperature (W.B.)	Above 15.5°C and below 24°C
	Indoor humidity	Humidity under 80% Whenever air-conditioner is operating under circumstance with humidity above 80% for long term, frosting shall be formed and dropped on the machine surface, mirage shall be blew off from the outlet
Heating	Outdoor temperature (W.B.)	Above-15°C and below 15.5°C
	Indoor temperature (D.B.)	Above-15°C and Below 28°C

3) The wiring diagram refer to the wiring diagram on the indoor and outdoor units. 4) If the

- of AC 250V 15A

If the fuse on main circuit is broken please replace it with a fuse of AC 250V 5A

5) For AS072 ~ 182FA AHA the indoor unit installation height is at least 2.0m.

Important Points of Safety

The following four important points of safety and suggestions should be paid great attention:

- ⚠ Warning: Misuse may cause fatal result such as death or serious injury etc.
- ⚠ Attention: Misuse may cause human injury or damage of machine, in some case fatal results.
- ⊘ : Content marked with this “forbidden” sign should be absolutely forbidden, other wise may cause damage of machine and human injury of the user.
- ❗ : Content marked with this “compulsory” sign should be executed compulsively, otherwise may cause damage of machine and human injury of the user.

Comply with the following important points of safety.

Put these important points of attention and suggestions nearby and convenient for reference in need.

Hand over this instruction manual to new user if you resell this machine.

⚠ Warning	
Warning for installation	<ul style="list-style-type: none">● Entrusted Installation Installation of the machine should be entrusted to certified person of after service. Unauthorized installation may cause water leakage, electric shock or fire hazard for improper operation. ❗● To prevent leakage of refrigerant, let certified person of after service do it. Leakage of refrigerant over certain consistence may result in shortage of oxygen. Enough precautions MUST be done to avoid oxygen shortage in case of refrigerant leaking if the room where the air-conditioner is installed is small. ❗ <ul style="list-style-type: none">● The power supply must be fitted with earth line to ensure valid earthing of the air-conditioner. No or incomplete earthing connection may cause the risk of electric shock. ❗

Important Points of Safety

⚠ Warning	
Warning for use	<ul style="list-style-type: none"> • Avoid your body being blown directly by cold wind for long period, otherwise your health may be affected. ⊘ • Don't extend your fingers or any other article into the inlet or outlet during operation of the machine for touching revolving fans may cause human injury or damage of machine. ⊘
Warning for move and repair	<ul style="list-style-type: none"> • If something abnormal (e.g.: burnt smellecto.) occurs, ! • When you have to disassemble and reinstall the machine, !

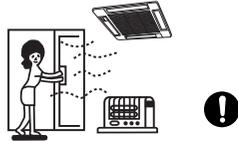
⚠ Warning	
Attention points for installation	<ul style="list-style-type: none"> • Ensure the drainage hose work normally during installation. Improper installation of drainage can cause water leakage and damp articles. ! • Ensure electric leakage breaker being installed. ⊘ • DO NOT install the machine in place where flammable gas will be supplied. ⊘

Important Points of Safety

⚠ Attention

Attention points for use

- Ensure ventilation of the room if the machine is used with burning facilities. Deficient ventilation can cause oxygen shortage.



- Check whether installation bench of the machine is damaged after a long period of use. Machine on damaged bench may fall down and cause harm.



- In place where winds produced by the machine can reach, don't lay any animals or plants which may be hurt otherwise.



- Don't put vases containing water or other else on the unit assembly. Otherwise, the machine may be immersed internally and result in bad electric insulation causing electric shock.



- The machine CANNOT be used for the purpose of preserving food, animals, plants, precision instruments and artwork etc., which may be destroyed.



- DON'T replace fuse with material other than fuse of proper capacity. Replacing fuse with metal wire or copper etc. can cause fire hazard or other faults.



- DON'T lay any burning facilities in place where winds produced by the machine can reach.



- DON'T clean the machine with water. Electric shock may occur. Machine on damaged bench may fall down and cause harm.



- DON'T put flammable spray articles nearby or spray them towards the machine.



- DON'T operate switch with wet hand. Electric shock may occur.



- Stop operation and shut down manual power switch immediately when the machine is used for the purpose of preserving food, animals, plants, precision instruments and artwork etc., which may be destroyed.



- The power supply MUST be of rated voltage and power.



Operation Features

Confirmation before running

- Check whether earthing wire is broken or falls off.
- Check whether air filter was omitted.
- Switch on power supply of the outdoor unit 12 hours in priority to entrust.

Heat ability

- During heating program, the machine adopts heat pump mode to release heat indoors with that absorbed from outdoors.
- Therefore its heating ability reduces when outdoor temperature descends.

Removal of frost in heat operation

- During heat operation, if the outdoor unit is adhered with frosts, the machine will automatically turn to frost-removing operation which lasts about 2~10 minutes.
- During frost-removing operation, fan of indoor unit runs at low speed or stops while outdoor unit stops.

3 minutes protection

- To protect the machine, for immediate restart after a stop, the compressor does not run until after an interval of 3 minutes.

Power failure

- All operations will stop when there is a power failure during the machine's running.
- Running indicator on remote controller flashes when the system is reenergized after power failure.
- Before restart, press on/off button of the remote controller.
- Note: If you have set power down memory function, the machine will get back to the status before power failure when it is reenergized.

Protection setting (High pressure switch)

- If something abnormal happens with the machine, the protection setting will act to stop running automatically. Press \hat{i} check \hat{k} button on the remote controller to see failure code shown.
- Protection setting acts in the following case.

During cool operation

- Inlet or outlet of outdoor unit is blocked.
- Strong wind continuously blows into the outlet of outdoor unit.

During heat operation

- Large amount of dust adheres on air filter screen of indoor unit.
- Outlet of indoor unit is blocked.

Air filter of cassette type

- Air filter screen must be installed near the inlet when installing air-conditioner of flush type. After trial run of the machine, verify the following items:
 - △ Position where air filter screen is installed
 - △ How to disassemble the filter
 - △ How to clean the filter

Operation of fans of units that stop

- To protect units that stop during running of other indoor unit, run their fans for 2~8 minutes at an interval of 30 or 60 minutes.

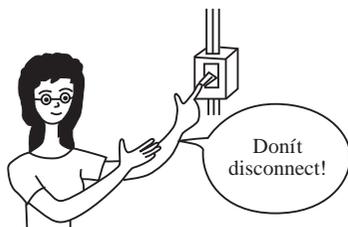
Note:

- Confirm failure code shown on the remote controller, shut down power switch and find out reasons after protection setting works. (check method as seen from "check" on page 21). Continuous operation without solving problems can cause faults of the machine.
- Ensure air filter is installed. Without the filter, dust may accumulate on heat exchanger and cause water leakage. Each indoor unit can run individually or many indoor unit run in meantime. However, heat and cool operat
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Important Points of Use

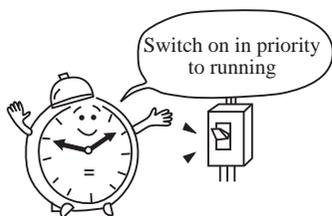
Don't turn on or turn off the machine with manual power switch

Don't disconnect the manual power switch during usage of remote controller, operate with on/off button on the controller.



Turn on power supply of the outdoor unit 12 hours in priority to running.

For protection of outdoor unit, after long period of shutdown, power of outdoor unit MUST be switched on 12 hours in priority to running.



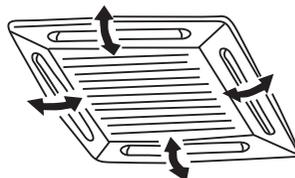
Cool and heat operation cannot run at the same time

All indoor subassembly cannot run heat and cool operation at the same time and should be operated with the same mode. (fan mode is an exception)



Air guarding plate MUST be used distinctively

In cool operation, wind outlet or surface of airguarding plate



In heat operation, heat air may gather below the ceiling and

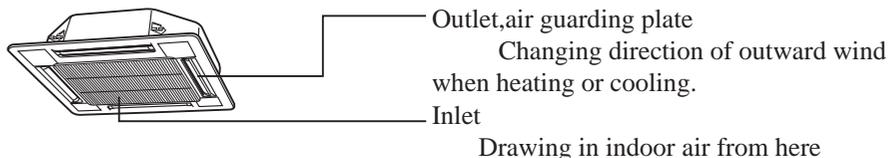
Apart from TV and radio receiver

Keep air-conditioner and its remote controller at least 1 meter away from TV and radio receiver to avoid unstable image on TV or noise in radio.

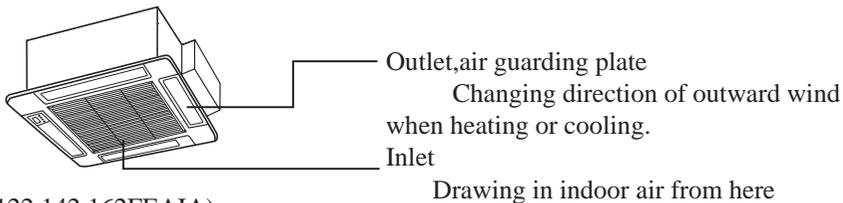


Name of Each Part

Four way cassette type



(AB182,242,282,322,362,452FEAIA)
(AB182,242,282,322,362,452FEBIA)



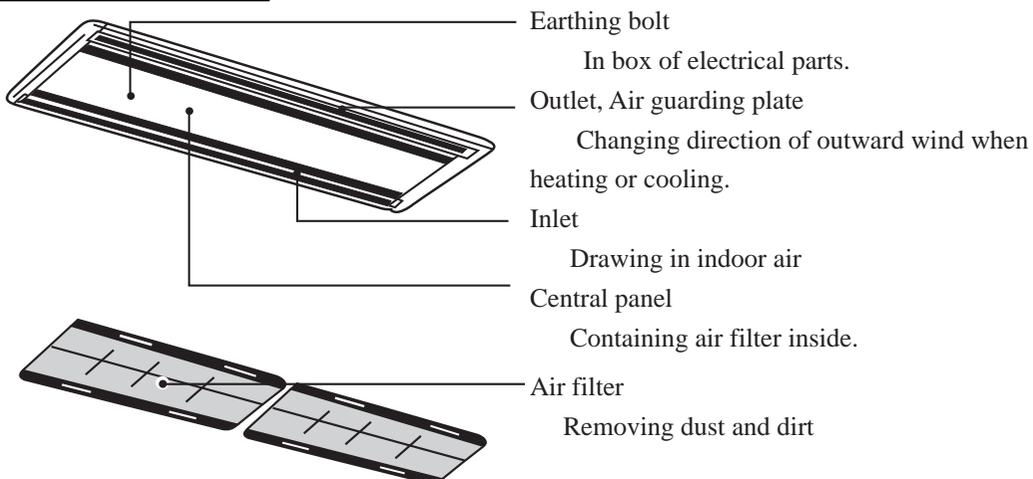
(AB092,122,142,162FEAIA)
(AB092,122,142,162FEBIA)



About Lou function

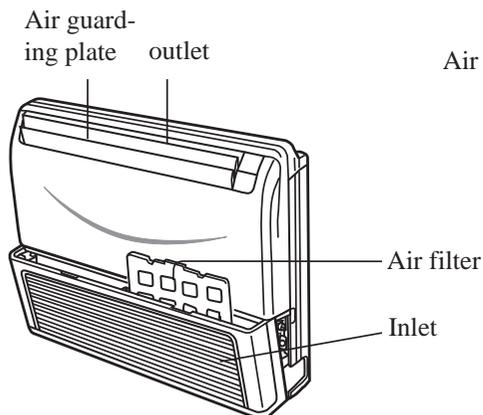
- Press " lou " button on the remote controller when necessary. If the controller keeps on showing **louver** and air guarding plate run automatically, it means this type has automatic swing function. If the controller shows **louver** and **manual** at the same time and two signs disappear after several seconds, it means this type has no automatic swing function.
- Lou button can only be operated when running indicator (red) lights.
- The swing of Air guarding plate stops during defrost.

Two way cassette type

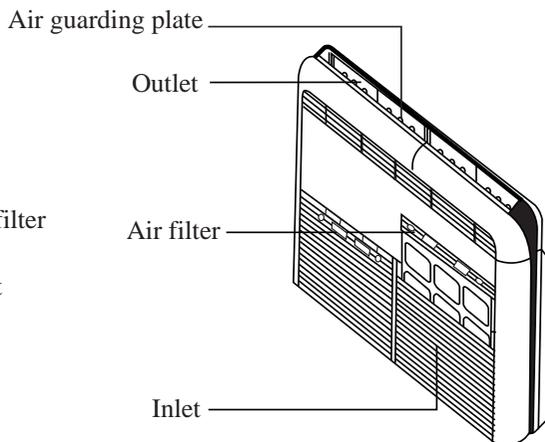


Name of Each Part

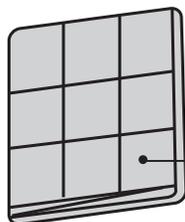
Convertible type



(AC092,122,142,162FEAHA)
(AC092,122,142,162FEBHA)

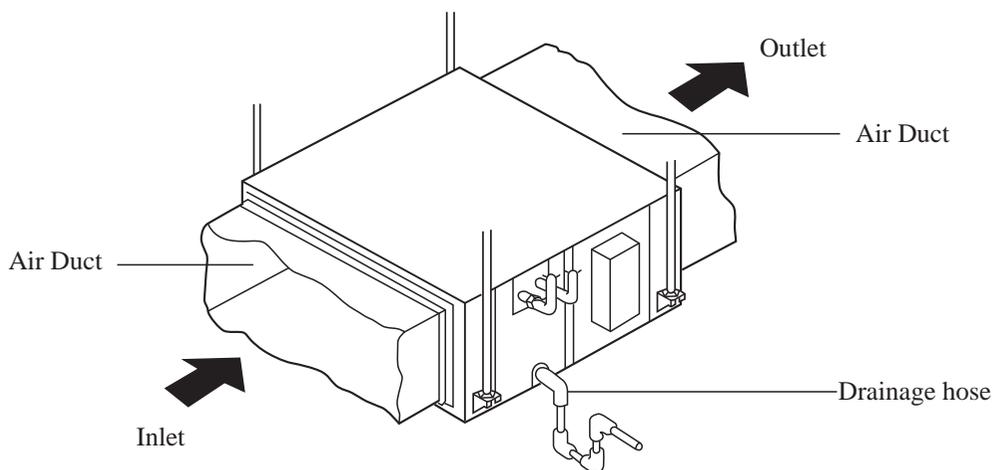


(AC182,242,282FEAHA)
(AC182,242,282FEBHA)



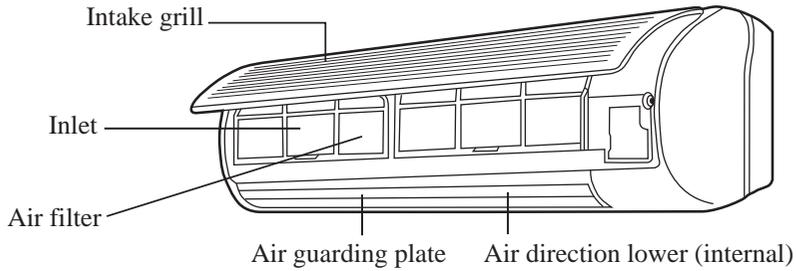
Air filter
Removing dust and dirt

Duct type

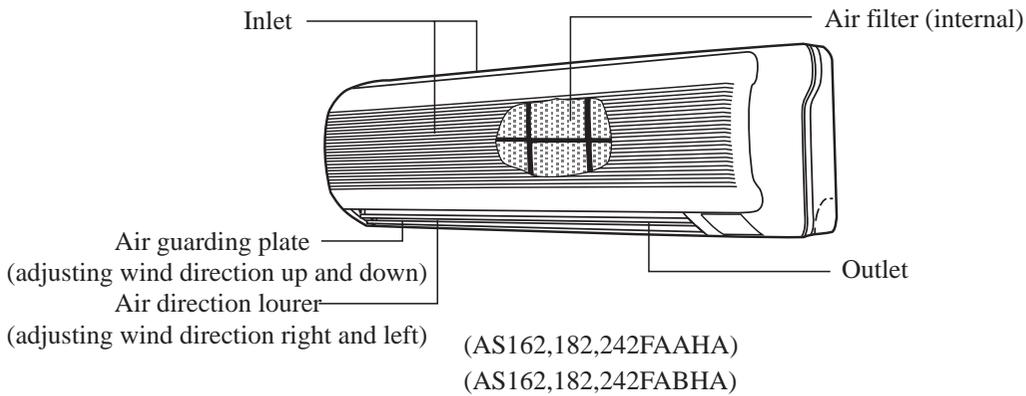


Name of Each Part

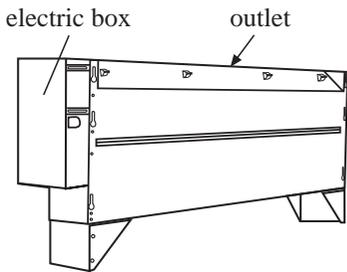
Split type



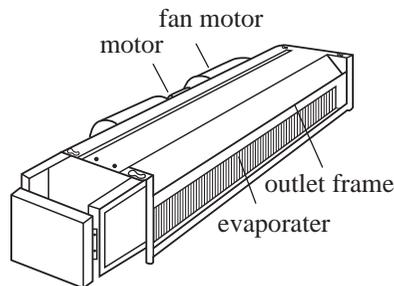
(AS072,092,122,142FAAHA)
(AS072,092,122,142FABHA)



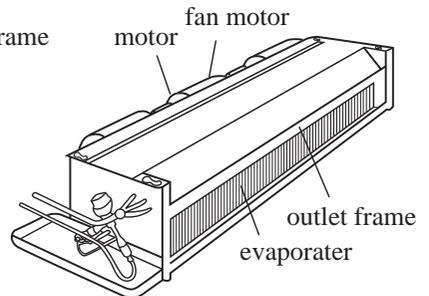
Ceiling concealed type



AE242FLAHA
AE242FLBHA



AE072FEAHA AE092FEAHA
AE122FEAHA AE142FEAHA
AE162FEAHA AE182FEAHA
AE072FEBHA AE092FEBHA
AE122FEBHA AE142FEBHA
AE162FEBHA AE182FEBHA



AE242FEAHA
AE242FEBHA

Operation Guide

Display

All content that can be shown on the display of remote controller are listed here to describe in details. In practical use, only content selected can be shown.

① Switch over of fan speed

Showing fan speed mode selected

Indoor unit	Display of FAN
Duct type	FIX
Types other than of duct type	AUTO HIGH MED LOW

② Running mode

Showing selected running mode

③ Temperature setting

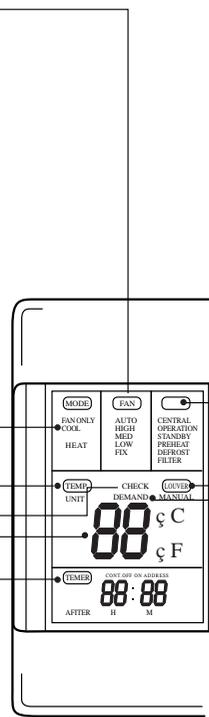
Showing selected temperature setting

④ check

Showing code of failure shooting
Showing number of indoor unit with fault in display part of temperature setting

⑤ TIMER

If timed running is set, display parts of $\hat{}$ power on $\hat{}$ and $\hat{}$ power off $\hat{}$ will show $\hat{}$ TIME ON $\hat{}$ and $\hat{}$ TIME OFF $\hat{}$. If timed running is changed to continuous, $\hat{}$ CONT $\hat{}$ will display momentarily then goes out.



⑥ Operation

Showing in operation.

⑦ Stand by

This is displayed when the machine can not run as set mode while multiple in door subassemblies are running

⑧ Preheating,defrost

This is displayed when preheating or defrosting.

⑨ Filter

Clean air filter when this is displayed.

⑩ Central

This is displayed when using central controller for central control mode.

⑪ Louver

Showing automatic swing.

⑫ Manual

This is displayed if Louver button is pressed while function of automatic swing is unavailable.

⑬ Demand

This is displayed when unit recieved demand instuction.

Display of $\hat{}$ CENTRAL $\hat{}$

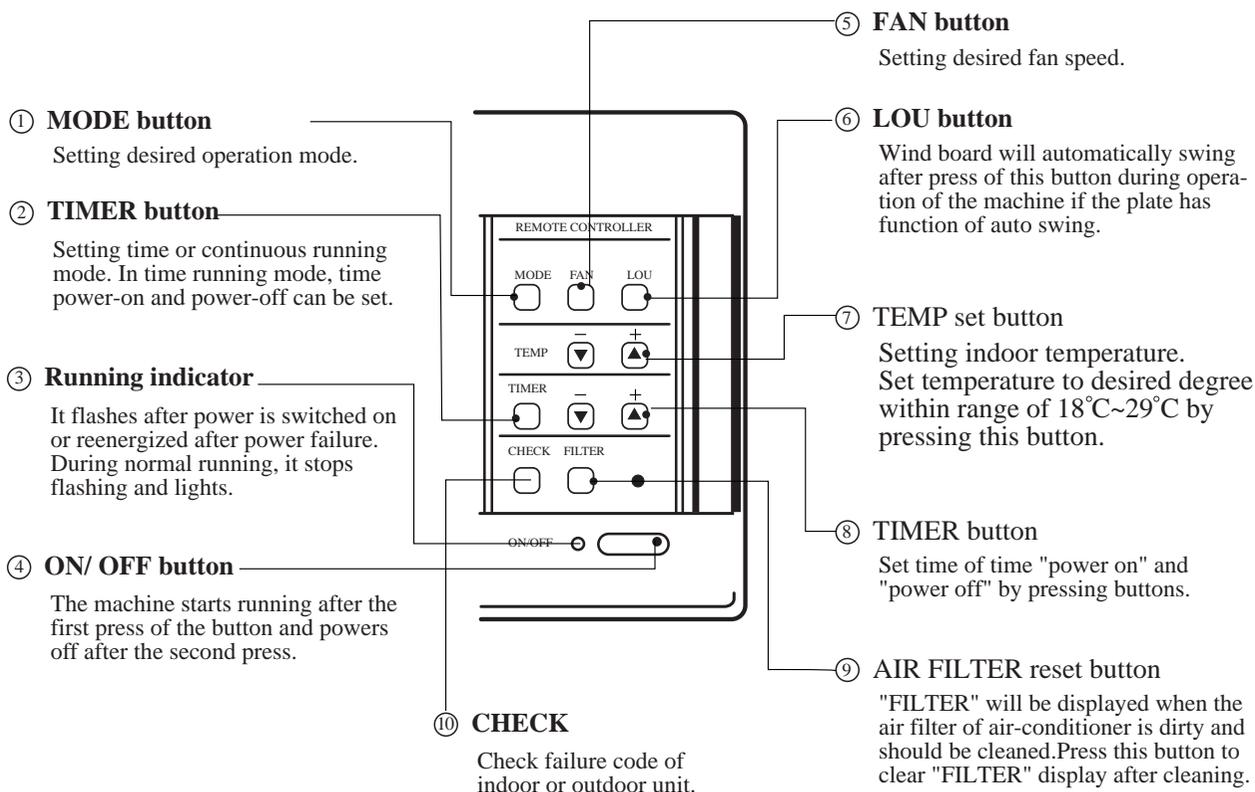
Contents that can be operated with standard remote controller (YR-E02) and "CENTRAL" displays according to setting of central controller during central management with centralized controller (YR-E01).

Setting of central controller	"centralized" display of standard remote controller	Contents that can be operated with remote controller
Normal control	No display	Contents that can be operated with both standard remote controller and central controller, the latest setting works.
Central control	"central "	Only $\hat{}$ on/off $\hat{}$ and "TIMED ON/OFF" can be operated.
Locked	"central " flashes	Operation disabled.

Besides this standard circuit controller, $\hat{}$ TIMER $\hat{}$ and $\hat{}$ central controller $\hat{}$ can also be used to practical control as seen from operation manuals attached with each remote controllers.

Operation Guide

Operation



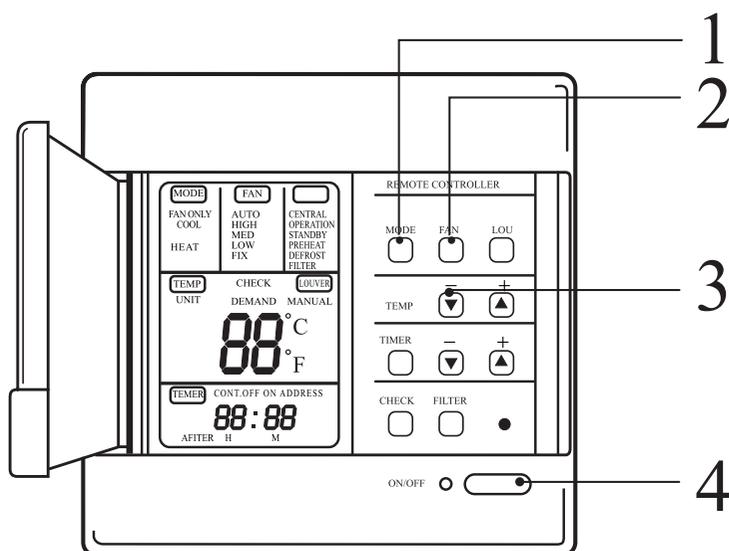
Note

- Running indicator goes out, display for LOU and running disappears while other displays still remain if the machine is stopped.
- Don't operate check switch except for check and repair of the machine.

Operation Guide

Preparation

Running indicator (red) flashes when power is switched on.

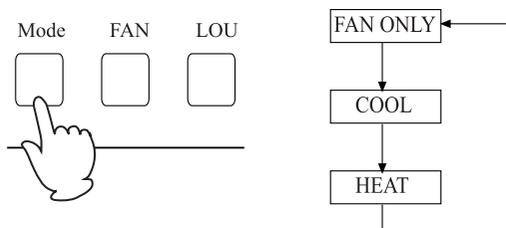


Requirement

- Don't disconnect power supply during operation of air-conditioner.
- Switch on power of outdoor unit 12 hours in priority to running start after a long period of shutdown.

Running

1. Press "MODE" button to select running mode.

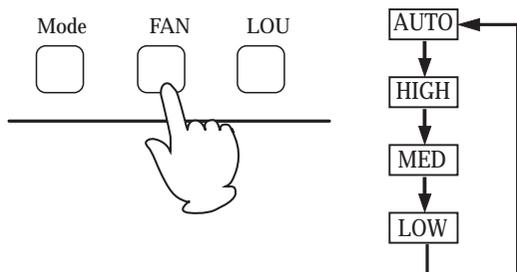


- In heat operation, outdoor unit stops and indoor unit runs in ultra slight-wind style with minimum fan speed when indoor temperature reaches set value. Sometimes fans stops to avoid cool wind during defrost, meanwhile preheating and defrost will be displayed.
- In FAN ONLY, blowing often pauses to avoid blowing operation cool wind when other indoor unit are in heat operation.

The display changes in the above sequence at each press on the button.

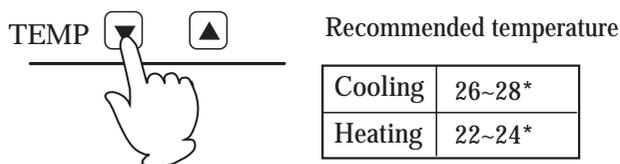
Operation Guide

2. Press **FAN** button to select fan speed. The display changes in the following sequence at each press on the button.



- Fan speed varied with indoor temperature under **AUTO** mode.
- **FIX** mode will be displayed, when using indoor unit of duct type which does not allow change fan speed.

3. Press **TEMP** button to select desired temperature.

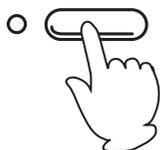


- ▣ Temperature setting reduces 1°C with one press on this button and changes continuously if press is hold on.
- ▣ Temperature setting increases 1°C with one press on this button and changes continuously if press is hold on.

The display changes in the above sequence at each press on the button.

4. Power on

Press **ON/OFF** button.

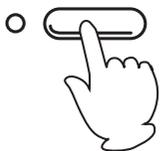


Running indicator lights and running starts.

- In heat operation
Heat wind will be blown after preheating for 3~5 minutes.
- In cool operation
Running starts after 1 minute or so.

Power off

Press **ON/OFF** button.



Running indicator goes out and running stops.

- In heat operation, blowing will continue in 30 seconds or so after stoppage.
- To protect the machine, compressor will not start running until 3 minutes later after restart after stoppage.

Operation Guide

TIMER operation

Remaining time is displayed during time operation with unit of 1 minute. Time setting ranges from 10 minutes to 60 hours and is set with unit of 10 minutes. Time setting changes 10 minutes with each press of the button and changes with unit of hour if the press is hold on.

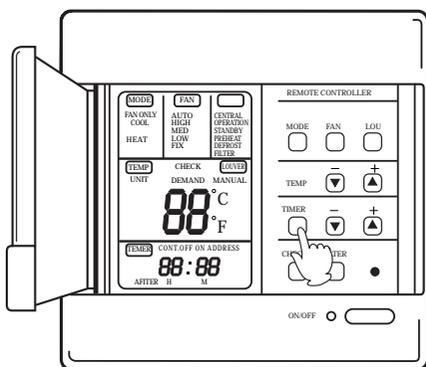
Preparation

Switch on the power.

How to set time

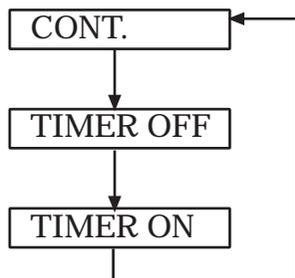
To set desired time, firstly press 'ON/OFF' button.

- ON/OFF indicator (red) lights and the machine starts timed running.



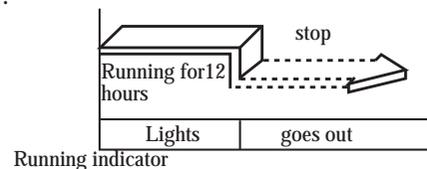
Continuous

- To continuously run your air-conditioner, press 'TIMER' button and set to 'continuous'.
- Display on LED changes in the following sequence at each press of the button.



Setting of TIMER OFF (Run → stop)

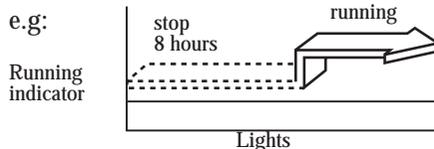
- Press 'TIMER' button several times to 'TIMER OFF'.
- Press 'TIMER' button and set time.
- ☑ Time setting reduces 10 minutes at one press on this button and reduces with unit of 1 hour if press is hold on.
- ☑ Time setting increases 10 minutes at one press on this button and increases with unit of 1 hour if press is hold on.
- The air-conditioner stops when set time ends. e.g.:



Setting of TIMER ON (stop → run)

- Press 'TIMER' button several times to 'TIMER ON'.
- Press 'TIMER' button and set time.

The air-conditioner runs when set time ends.



Power off in midway

Press 'ON/OFF' button for one time

- On/off indicator goes out and running stops even set time not ends. Set times for 'power-on' and 'power-off' are still in memory.

Release

Press 'TIMER' button.

- Displays of 'Power off' and 'Power on' disappear.

Change

Press 'ON/OFF' button to reset desired time. Running indicator

Operation Guide

Often clean air filter

- Blocked meshes of air filter can reduce heating and cooling effect of the air-conditioner.

Close doors and windows in time

- Pay attention to avoid cool or hot wind spread out to outdoors.

Avoid overcooling and overheating

Warning!

Avoid cool wind blowing your body directly for long period to prevent catching a cold and affecting your health.



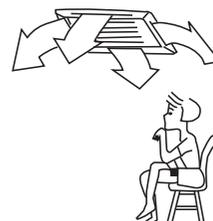
Forbidden

- Overcooling and overheating is not good to health. Especially people such as the children and the old who may be easily hurt should pay greater attention.

Recommended temperature

Cooling 26~28°C

Heating 22~24°C



Prevention of uneven indoor temperature

- Use Air guarding plate to adjust wind directions.

Run your air-conditioner under the following conditions to the optimum use.

Cooling	Air temperature (D.B)	-5°C~43°C
	Indoor temperature (W.B)	15.5°C~24°C
	Indoor humidity	less than 80% Long period of running of the air-conditioner with humidity more than 80% can cause moisture condensation on surface of machine an may draft dews out of wind outlet.
Heating	Air temperature (W.B)	-15°C~15.5°C
	Indoor temperature (D.B)	-15°C~28°C

Protection setting works and the machine stops if the machine runs under conditions other than the above.

Adjustment of Wind Directions

To enhance heating and cooling effect, angle of air guarding plate should be set for heat operation and cool operation respectively.

As a characteristic of air, the cold stays below while the hot on the top.

⚠ Warning!

Air guarding plate should be in horizontal status during cooling program.

If wind blows downward during cool operation, there will be moisture condensation in outlet and on surface of air guarding plate.

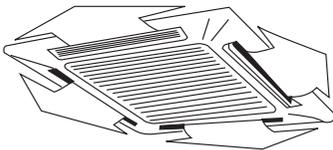
Air guarding plate should be in status of blowing downward during heat operation.

There will be great deviation in temperature of indoor air if wind blows horizontally during heat operation.

Four way cassette type

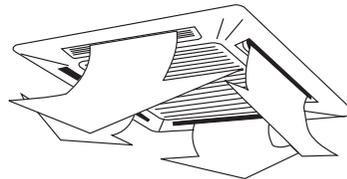
In cool operation

Adjust air guarding plate to horizontal status.



In heat operation

Adjust air guarding plate to the status of blowing downware.



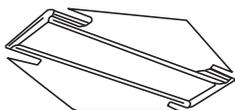
Function of auto swing

Press 'LOU' button and air guarding plate will automatically run to further improve cooling or heating effect if the front panel has the function of auto swing.

Two way cassette type

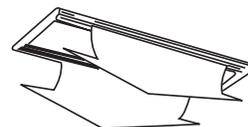
In cool operation

Adjust air guarding plate to horizontal status.



In heat operation

Adjust air guarding plate to the status of blowing downware.



Auto wind board

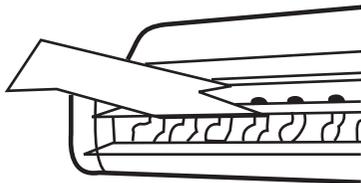
Press 'LOU' button and air guarding plate will automatically run to further improve cooling or heating effect if the front panel has auto air guarding plate.

Adjustment of Wind Directions

Convertible Type

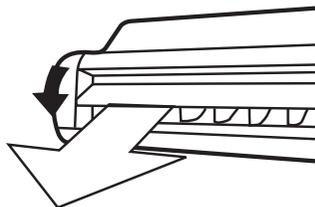
In cool operation

Adopt horizontal blowing to let cool air fulfill the whole room.



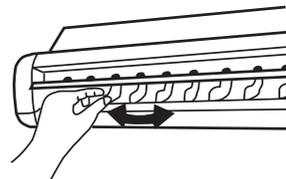
In heat operation

Adopt downward blowing to let hot wind blow foot part.



Adjustment of wind directions to the left and right (AC092,122,142,162FEAHA*AC092,122,142,162FEBHA) have functions of auto adjustment)

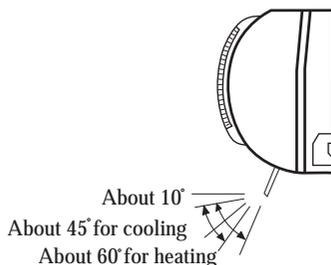
Adjust vertical swing leaf on inside of wind board to desired direction to let blowing direction changes from the left to right.



Split Type

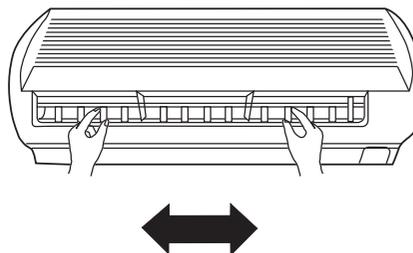
Adjusting wind directions up and down (operate with remote controller)

Adjust wind direction by pressing swing button. Blowing wind board swings within the range shown as the below at the first press. Blowing wind board stops at the swinging position at the second press.



Adjusting wind directions to left and right (operate manually)

Move vertical swing leaf in the air-conditioner to adjust wind blowing in left and right directions as shown in the chart below.

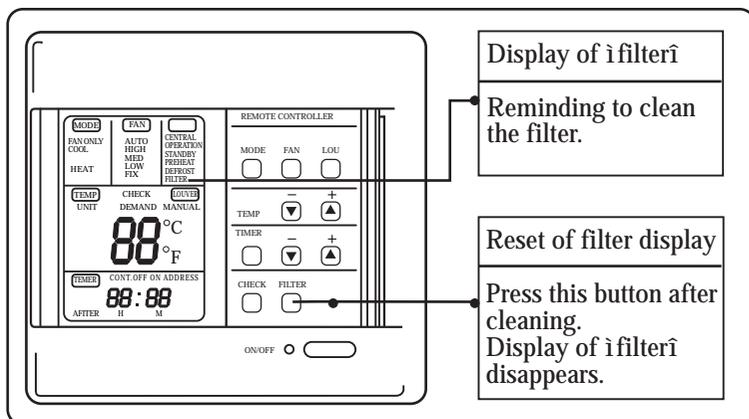


Maintenance

SHUT DOWN manual power switch before maintenance.

Daily cleaning

Cleaning of air filter



⚠ Warning!

Reconnect the rope for falling-proof on front panel after cleaning. Otherwise, the panel may fall down and result in injury or damage. **!**

Four way cassette type

- (AB092,122,142,162FEAIA * AB092,122,142,162FEBIA)
Push the handle of inlet to side and open the inlet.
Pull down air filter screen on the inside and take it out.
- (AB182,242,282,322,362,452FEAIA * AB182,242,282,322,362,452FEBIA)
Push claws of the screen up, then pull them to your side and take out the filter.



Two way cassette type

- Take the front panel and lift it up, then pull it to your side, finally pull it down and take out slowly. (The front panel can only be moved to one direction either left or right, disassemble it after confirmation)
- Untie the ropes for falling-proof at two ends.
- Pull down the air filter screen and take it out.



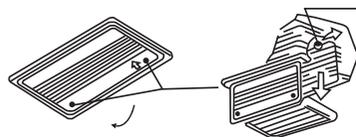
Convertible Type

- Pull the air filter screen to your side and take it down.



Maintenance

- Slide the handle knob on inlet panel to arrow direction. Open it down and turn control lever, then pull the air filter screen out.
- Use different cleaning method according to type of air filter screen installed.
Consult after service for details.



Daily cleaning

Cleaning of air-conditioner and remote controller

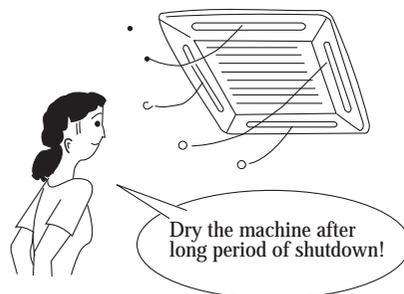
- Wipe with dry and soft cloth.
- Wipe front panel where dirt and dust accumulates heavily with cloth soaked in water. (DON'T use wet cloth to wipe remote controller).
- DON'T use cloth adhered with gasoline, thinner, detergent or chemical materials to clean the machine, which can be distorted and destroyed otherwise.



SHUT DOWN manual power switch before any maintenance.

Maintenance after over 1 month since the latest stoppage:

- Run blowing operation for half a day or so to make inside of the machine dry enough.
- Disconnect manual power switch.
- Clean the air filter screen and install as the original.



Trouble Shooting

Check the following before entrusting any after service.

		Presentation	Reason
Not Fault	Indoor unit	<ul style="list-style-type: none"> • Sound of flowing water 	<ul style="list-style-type: none"> • Sound of flowing water during start, running and short while after stoppage. Sometimes the sound increases 2-3 minutes after start, it is made by flowing refrigerant and discharging of condensate water.
		<ul style="list-style-type: none"> • "click" sounds 	<ul style="list-style-type: none"> • Sometimes the machine makes "click" sound during operation because of changing operation and slight shrinkage of heat exchanger etc.
		<ul style="list-style-type: none"> • Blowing with smell 	<ul style="list-style-type: none"> • Due to adherence of smell given off by wall, carpet, furniture, clothes, cigarette and cosmetic etc. to air-conditioner.
		<ul style="list-style-type: none"> • Running indicator flashes 	<ul style="list-style-type: none"> • Indicator flashes when turning on manual power switch after the machine is reenergized after a power failure.
		<ul style="list-style-type: none"> • Displays shows "stand by" 	<ul style="list-style-type: none"> • The machine cannot run cooling model as other indoor unit running heating mode. • It is displayed when desired operation mode is different with fixed mode that might be set by air-conditioner controller.
		<ul style="list-style-type: none"> • Sounds, white vapor or cool air during stopping of indoor unit 	<ul style="list-style-type: none"> • To prevent oil or refrigerant detaining in indoor unit being stopped, refrigerant flows in short while and makes sounds like "Sha-sh" or "cola-sh". In addition, white vapor sometime comes out when other indoor units are running heating program while cool air comes if others running cooling program.
		<ul style="list-style-type: none"> • "Click" sound while switching on power of the machine 	<ul style="list-style-type: none"> • Sound made by reset electronic of expansion valve in switching on of the power.
Please Recheck		The machine runs or stops automatically	<ul style="list-style-type: none"> • Check whether status of "timed power on" or "timed power off" has been set.
		The machine cannot run 	<ul style="list-style-type: none"> • Whether there is a power failure? • Whether manual power switch is off? • Whether power fuse blows or breaker is off? • Whether protection setting works (running indicator lights)? • Whether timing function works (running indicator lights)? • Whether heating and cooling are selected at the same time (circuit controller displays "stand by")?
		Poor heating or cooling effect	<ul style="list-style-type: none"> • Whether inlet and outlet of outdoor unit is blocked? • Whether doors and windows are open? • Whether any dirt or dust obstructs air filter screen? • Whether blowing rate is set to "slight", "low"? Operation is set to "blowing" mode? • Whether temperature is set properly?

Stop running immediately, disconnect manual power switch, and consult after service in the following case:

- Poor response to button pressing
- Machine still cannot run other than reason of protection setting
- Fuse and electric leakage breaker keep on being blown
- Sundries or water enters inside of electric box
- Other abnormal case

Check

Confirmation of failure code

Use “check” button on remote controller to confirm fault conditions (Failure code) when the machine runs abnormally.

Confirm in following subsequence before entrusting repair and tell the after service together with symptom of faults.

Confirmation subsequence

1. Hold pressing “check” button for 1-2 seconds until “check” appears on display. Number of indoor subassembly is shown in display area of set temperature and failure code is in area of timing.
2. Number displayed means something abnormal happens on that indoor subassembly.
3. Failure codes are displayed as the following.

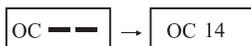
◆ Normal:



◆ 1 fault occurs:



◆ 2 faults occurs:



As displaying time is short, if you haven't seen contents clearly, press “check” button again and the following 25 failure codes will be displayed.

OC	0b	0d	04	08	09	11	12	14	15	17	18	19	20	21	97	98	99	1b	1c	1d	1e	1f	b5	b6
↓																								
OC	0B	0D	04	08	09	11	12	14	15	17	18	19	20	21	97	98	99	1B	1C	1D	1E	1F	B5	B6

Check and maintenance

- This must vary with using conditions. After running for seasons, the air-conditioner may accumulate dirt and dust reducing heating and cooling effects inside. In addition to maintenance described on page 17 and 18, it is recommended to have the machine checked and maintained by certified person.
- Used in place where is abundant with oil, dirt and dust, filter of draining pump equipped with air-conditioner may be blocked and result in disability of water discharging. Therefore, draining pump should be cleaned periodically. Consult after service on questions for details. (This is only restricted to cassette type).