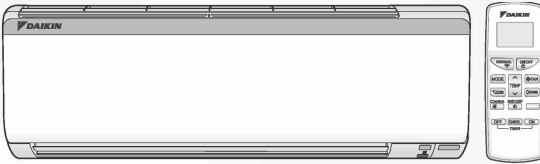


CHILLED WATER HI-WALL

# OPERATION MANUAL



**MODELS:**

- FTW35ARV16**
- FTW50ARV16**
- FTW35ASV16**
- FTW50ASV16**

# Safety Precautions

## Safety Precautions

- Keep this manual where the user can easily find it.
- Read the precautions in this manual carefully before operating the unit.
- The precautions described herein are classified as **WARNING** and **CAUTION**. They both contain important information regarding safety. Be sure to observe all precautions without fail.

### **WARNING**

Failure to follow these instructions properly may result in personal injury or loss of life.

### **CAUTION**

Failure to follow these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.



Never attempt.




Be sure to follow the instructions.




Be sure to establish an earth connection.


- After reading, keep this manual in a convenient place so that you can refer to it whenever necessary. If the equipment is transferred to a new user, be sure also to hand over the manual.

### **WARNING**


- To avoid fire, explosion or injury, do not operate the unit when harmful gases (e.g. flammable or corrosive) are detected near the unit. 
- Be aware that prolonged, direct exposure to cool air from the air conditioner, or to air that is too cool, can be harmful to your physical condition and health.
- Do not place objects, including rods, your fingers, etc., in the air inlet or outlet. Product damage may result due to contact with the air conditioner's high-speed fan blades.
- Do not attempt to repair, dismantle, reinstall or modify the air conditioner yourself as this may result in water leakage, electric shock or fire hazards.
- Do not use flammable spray near the air conditioner, or otherwise fire may result.
- Do not use a refrigerant other than chilled water when installing, moving, or repairing. Using other refrigerants may cause trouble or damage to the unit, and personal injury.
- To avoid electric shock, do not operate with wet hands.


- Beware of fire in case of water leakage. If the air conditioner is not operating correctly, i.e. not generating cool air, water leakage could be the cause. Consult your service centre for assistance. The water within the air conditioner is safe and normally does not leak. Do not use the air conditioner until a qualified service person confirms that the leakage has been repaired. 

- Do not attempt to install or repair the air conditioner yourself. Improper workmanship may result in water leakage, electric shock or fire hazards. Please contact your local service centre or qualified personnel for installation and maintenance work.
- If the air conditioner is malfunctioning (giving off a burning odour, etc.), turn off power to the unit and contact your local service centre. Continued operation under such circumstances may result in a failure, electric shock or fire hazards.
- Be sure to install an earth leakage circuit breaker. Failure to install the earth leakage circuit breaker may result in electric shock or fire.

- Be sure to earth the unit. Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead.  Imperfect earthing may result in electric shock.

### **CAUTION**

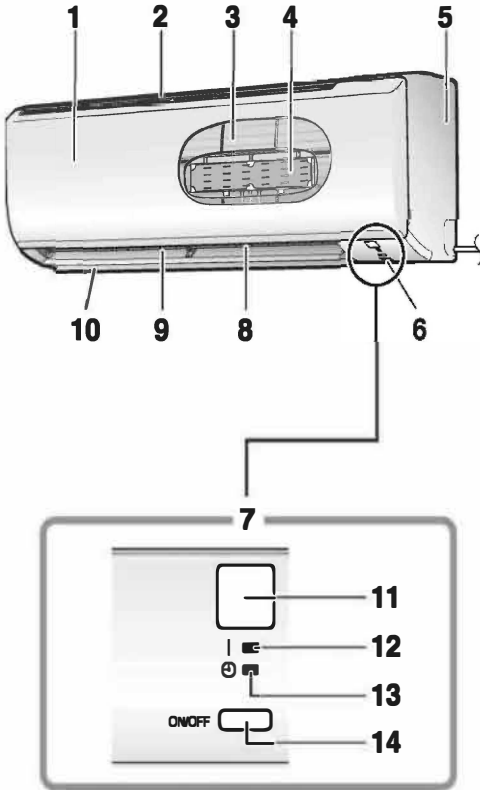
- Do not use the air conditioner for purposes other than those for which it is intended. Do not use the air conditioner for cooling precision instruments, food, plants, animals or works of art as this may adversely affect the performance, quality and/or longevity of the object concerned. 
- Do not expose plants or animals directly to the airflow from the unit as this may cause adverse effects.
- Do not place appliances that produce naked flames in places exposed to the airflow from the unit as this may impair combustion of the burner.
- Do not block the air inlets or outlets. Impaired airflow may result in insufficient performance or trouble.
- Do not sit on the outdoor unit, put things on the unit, or pull the unit. Doing so may cause accidents, such as falling or toppling down, thus resulting in injury, product malfunctioning, or product damage.
- Do not place objects that are susceptible to moisture directly beneath the indoor or outdoor units. Under certain conditions, condensation on the main unit or refrigerant pipes, air filter dirt or drain blockage may cause dripping, resulting in fouling or failure of the object concerned.
- After prolonged use, check the unit stand and its mounts for damage. If they are left in a damaged condition, the unit may fall and cause injury.
- To avoid injury, do not touch the air inlet or aluminium fins of the indoor or units.
- The appliance is not intended for use by unattended young children or infirm persons. Impairment of bodily functions and harm to health may result.
- Children should be supervised to ensure that they do not play with the unit or its remote controller. Accidental operation by a child may result in impairment of bodily functions and harm health.
- Avoid impacts to the indoor units, or otherwise product damage may result.
- Do not place flammable items, such as spray cans, within 1m of the water outlet.
- Be careful not to let pets urinate on the air conditioner. Urination on the air conditioner may result in electric shock or fire.
- Do not wash the air conditioner with water, as this may result in electric shock or fire.
- Do not place water containers (vases, etc.) above the unit, as this may result in electric shock or fire hazards if they should topple over.
- Do not insert the batteries in the wrong polarity (+/-) orientation as this may result in short circuiting, fire, or battery leakage.

- To avoid oxygen depletion, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner. 
- Before cleaning, be sure to stop unit operation and turn off the circuit breaker. Otherwise, an electric shock and injury may result.
- Only connect the air conditioner to the specified power supply circuit. Power supplies other than the one specified may result in electric shock, overheating and fires.
- Arrange the drain hose to ensure smooth drainage. Imperfect drainage may cause wetting of the building, furniture, etc.
- Do not place objects in direct proximity of the indoor unit and do not let leaves and other debris accumulate around the unit. Leaves are a hotbed for small animals which can enter the unit. Once inside the unit, such animals can cause malfunctions, smoke or fire if they come into contact with electrical parts.
- Do not place objects around the indoor unit. Doing so may have an adverse influence on the performance, product quality, and life of the air conditioner.
- This appliance is not intended to be used by persons with reduced physical, sensory or mental capabilities, or with lack of operation knowledge, unless they have been given supervision or instruction concerning the appliance use by person responsible for their safety. Keep out of children's reach to ensure that they do not play with the appliance.

# Name of Parts

1

## Indoor Unit



1. Front panel

2. Air Inlet

3. Air filter

4. Accessory filter

5. Model name plate

6. Indoor temperature sensor:

- Detects the air temperature around the unit.

7. Display

8. Air outlet

9. Louvres (vertical blades):

- The louvres are inside of the air outlet.

10. Flaps (horizontal blades)

11. Signal receiver:

- Receives signals from the remote controller.
- When the unit receives a signal, you will hear a beep sound.

Case	Sound type
Operation start	beep-beep
Settings changed	beep
Operation stop	long beep

12. OPERATION lamp (green)

13. TIMER lamp (orange)

14. Indoor unit ON/OFF switch:

- Press this switch once to start operation. Press once again to stop it.
- For the operation mode setting, refer to the following table.

Mode	Temperature setting	Airflow rate
COOL	22°C	AUTO

- This switch can be used when the remote controller is missing.

# Name of Parts

2

## ■ Remote Controller

### 1. Signal transmitter:

- It send signals to the indoor unit.

### 2. Display (LCD):

- It displays the current setting.  
(In this illustration, each section is shown with its display on for the purpose of explanation.)

### 3. ON/OFF button:

- Press this button once to start operation.  
Press once again to stop it.

### 4. TEMPERATURE adjustment button:

- It changes the temperature setting.

### 5. FAN setting button:

- It selects the airflow rate setting.

### 6. SWING button:

- Adjusting the airflow direction.

### 7. POWER CHILL button:

POWER CHILL operation

### 8. MODE selector button:

- It selects the operation mode.  
(DRY/COOL/FAN)

### 9. ECONO button

### 10. TIMER CANCEL button:

- It cancels the timer setting.

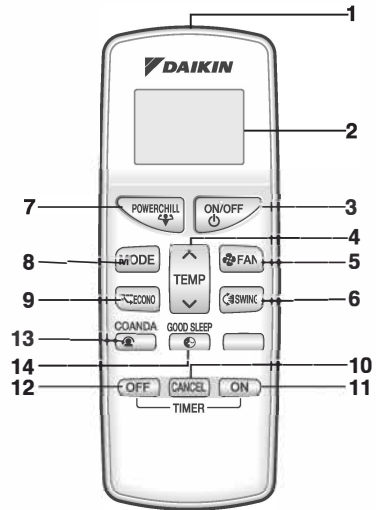
### 11. ON TIMER button

### 12. OFF TIMER button

### 13. COANDA button:

COANDA operation

### 14. GOOD SLEEP button



Remote Features	Applicable models
Back Light	✓

## NOTE

### ■ Notes on remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamp) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance to somewhere else, or consult the shop.

# Preparation before Operation

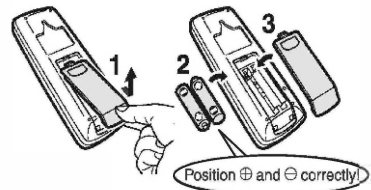
## ⚠ CAUTION

Incorrect handling of batteries can result in injury from battery leakage, rupturing or heating, or lead to equipment failure. Please observe the following precautions and use safely.

- If the solution from the batteries should get in the eyes, do not rub the eyes. Instead, immediately flush the eyes with tap water and seek the attention of a medical professional.
- Keep batteries out of reach of children. In the event that batteries are swallowed, seek the immediate attention of a medical professional.
- Do not expose batteries to heat or fire. Do not disassemble or modify batteries. The insulation or gas release vent inside the battery may be damaged, resulting in battery leakage, rupturing, or heating.
- Do not damage or peel off labels on the batteries.

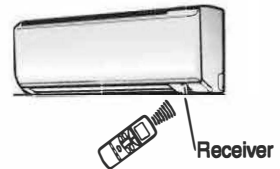
### ■ To insert the batteries

1. Remove the back cover by sliding and then slightly lifting it.
2. Insert 2 dry batteries (AAA).
3. Replace the back cover.



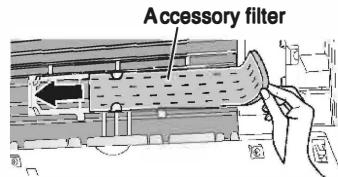
### ■ To operate the remote controller

- To use the remote controller, aim the transmitter at the indoor unit. If there is anything blocking the signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum transmission distance is about 7m.



### ■ To attach the accessory filters

- Set the accessory filters under the tabs of the filter frame on the indoor unit.
- When attaching the accessory filters, refer to “Care and Cleaning”, and pull out the air filters.



### ■ Turn on the circuit breaker

- After the power is turned on, the flaps of the indoor unit open and close once to set the reference position.

## NOTE

#### ■ Tips for saving energy

- Be careful not to cool the room too much. Keeping the temperature setting at a moderate level helps save energy.
- Cover windows with a blind or a curtain. Blocking sunlight and air from outdoors increases the cooling effect.
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks.

#### ■ Notes on batteries

- Do not use a leaking battery.
- To avoid possible injury or damage from battery leakage or rupturing, remove the batteries when not using the product for long periods of time.
- The standard replacement time is about 1 year. Both batteries should be replaced at the same time. Be sure to replace them with new size AAA dry batteries. However, if the remote controller display begins to fade and the possible transmission range becomes shorter within a year, replace both batteries as specified above.
- If the batteries supplied with the remote controller are for initial operation. The battery may run out in less than 1 year.

# DRY · COOL · FAN Operation

The air conditioner operates with the operation mode of your choice.  
From the next time on, the air conditioner will operate with the same operation mode.

## ■ To start operation

1. Press  and select an operation mode.

- Each pressing of the button changes the mode setting in sequence.



2. Press .

- "ON" is displayed on the LCD.
- The OPERATION lamp lights green.





## ■ To stop operation

3. Press  again.

- "ON" disappears from the LCD.
- Then OPERATION lamp goes off.

## ■ To change the temperature setting

4. Press .

- Press  to raise the temperature and press  to lower the temperature.

COOL operation	DRY or FAN operation
18-32°C	The temperature setting cannot be changed.

⊕ **Default Set Temperature Setting** : Whenever Air Conditioner will be switched ON from the remote, the default set temperature will be set as mentioned in below table:

Mode	Set temperature before remote switched OFF	Set temperature after remote switched ON
Cool	If set temperature < 24°C	Default set temperature will be 24°C.
	If set temperature ≥ 24°C	Default set temperature will remain same as set prior to remote switched OFF.

### Note:

Whenever AC is switched OFF in dry mode and is switched ON from remote, air conditioner will start in Cool mode and then DRY mode selection can be done using the MODE button.

## NOTE

### ■ Note on COOL operation

- This air conditioner cools the room by releasing heat in the room outdoors. Therefore, cooling performance may fall in higher outdoor temperatures.

### ■ Note on DRY operation

- Eliminates humidity while maintaining the indoor temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.

### ■ Note on FAN operation

- This mode is valid for fan only.

### ■ Recommended temperature setting

- For cooling: 26-28°C

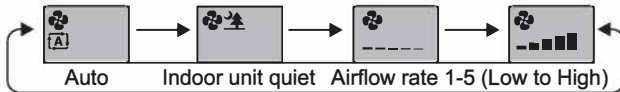
# Adjusting the Airflow Rate / SMELL PROOF Operation

## Adjusting the airflow rate

You can adjust the airflow rate to increase your comfort.

### To change the airflow rate setting

Press  • Each pressing of  changes the airflow rate setting in sequence.






- In DRY operation, the airflow rate setting cannot be changed.

## SMELL PROOF operation

The SMELL PROOF operation prevents unpleasant odour inside the indoor unit. This function is available in both DRY and COOL operation.

### To use SMELL PROOF operation

1. Before starting the operation, press  to set to Auto.
2. Press  to select the DRY or COOL operation.
3. Press .

- Air starts circulating about 1 minute after the operation is started.  
However, if the POWER CHILL operation is started, air starts circulating immediately.

## NOTE

### Note on airflow rate setting

- At smaller airflow rates, the cooling effect is also smaller.

### Note on SMELL PROOF operation

- SMELL PROOF operation can prevent some odours, but not all.

### Notes on the operating conditions

- The air conditioner always consumes a small amount of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, turn off the circuit breaker.
- Use the air conditioner in the following conditions.

Mode	Operating conditions		If operation is continued out of this range
COOL	Outdoor unit	CHILLER	<ul style="list-style-type: none"> <li>• A safety device may work to stop the operation.</li> <li>• Condensation may occur on the indoor unit and drip.</li> </ul>
	Indoor temperature	18-32°C	
DRY	Indoor humidity	80% max.	

# Adjusting Airflow Direction/CHILD LOCK operation

You can adjust the airflow direction to increase your comfort.

## ⚠ CAUTION

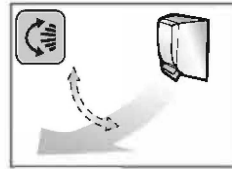
- Always use a remote controller to adjust the angles of the flaps. Moving the flaps forcibly by hand may cause a malfunction.
- Be careful when adjusting the louvres. Inside the air outlet, a fan is rotating at a high speed.

### Up and down airflow direction

#### ■ To start auto swing

Press .

- “” is displayed on the LCD.
- The flaps (horizontal blades) will begin to swing.



#### ■ To set the flaps at desired position

- This function is effective while the flaps are in auto swing mode.

Press  when the flaps reach the desired position.

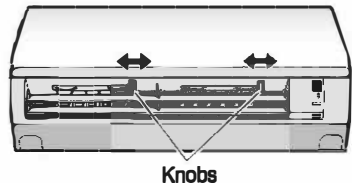
- The flaps will stop moving.
- “” disappears from the LCD.

### Right and left airflow direction

#### ■ To adjust the louvres at desired position

Hold the knobs and move the louvres (vertical blades).

- When the unit is installed in the corner of a room, the direction of the louvres should be facing away from the wall.  
If they face the wall, the wall will block off the wind, causing the cooling efficiency to drop.





### CHILD LOCK operation

Setting the CHILD LOCK disables all the buttons.

This function prevents children from operating the remote controller by mistake.

#### □ To set the CHILD LOCK :

- Press  and  together for about 5 seconds.

- “” will be displayed on the remote LCD.
- If a button is pressed while CHILD LOCK is on, “” blinks.

#### □ To CANCEL the CHILD LOCK

Press  and  together for about 5 seconds again.



- “” Disappears from the LCD.

# COANDA/POWER CHILL & ECONO Operation



## COANDA Operation

Directs airflow upward. This function prevents air from blowing directly at users.

### ■ To start COANDA operation

1. Press  The flaps position will change, preventing air from blowing directly on the occupants of the room.
  - “” is displayed on the LCD. The flap will go up.



### ■ To cancel COANDA operation

2. Press  again.
  - The flaps will return to memory position from COANDA mode.
  - “” disappears from the LCD

## POWER CHILL Operation

POWER CHILL operation quickly maximises the cooling effect in any operation mode. In this mode, the air conditioner operates at maximum capacity.

### ■ To Start POWER CHILL operation

1. Press 
  - POWER CHILL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWER CHILL operation.
  - “” is displayed on the LCD.

### ■ To cancel POWER CHILL operation

2. Press  again.
  - “” disappears from the LCD.

## NOTE

### ■ Notes on COANDA operation

- The flaps position will change, preventing air from blowing directly on the occupants of the room.
- If the up and down airflow direction is selected, the COANDA operation will be cancelled.
- The airflow rate can be set to any level. However, a low airflow rate may result in the downward flow of cold air, and in air blowing at people.

### ■ Notes on POWER CHILL operation

- When using POWER CHILL operation, there are some functions which are not available.
- POWER CHILL operation can only be set when the unit is running.
- POWER CHILL operation will not increase the capacity of the air conditioner if the air conditioner is already in operation with its maximum capacity demonstrated.

### • In COOL operation

To maximise the cooling effect, the capacity of outdoor unit is increased and the airflow rate becomes fixed at the maximum setting. The temperature and airflow settings cannot be changed.

### • In DRY operation

The temperature setting is lowered by 2.5°C and the airflow rate is slightly increased.

### • In FAN operation

The airflow rate is fixed at the maximum setting.

## ECONO Operation

ECONO operation enables efficient operation by limiting the maximum power consumption. This function is useful to prevent the circuit breaker from tripping when the unit operates alongside other appliances on the same circuit.

### ■ To start ECONO operation

1. Press  during operation.



- “” is displayed on the LCD.

### ■ To cancel ECONO operation

2. Press  again.

- “” disappears from the LCD.

### ■ Notes on ECONO operation

- ECONO operation can only be set when the unit is running. Pressing  causes the settings to be cancelled, and “” disappears from the LCD.
- ECONO operation functions in COOL and DRY operation.
- POWER CHILL and ECONO operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- This operation is performed with lower power and therefore may not provide a sufficient cooling effect.

# TIMER/GOOD SLEEP Operations

## TIMER Operation

Timer functions are useful for automatically switching the air conditioner on or off in the morning or at night. You can also use the ON TIMER and GOOD SLEEP OFF TIMER together.

### To use ON TIMER operation

1. Press **ON**.



Each pressing of **ON** changes the time setting by 1 hour.

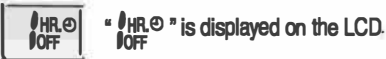
The time can be set between 1 and 12 hours.

- The TIMER lamp lights orange.



### To use OFF TIMER operation

1. Press **OFF**.



Each pressing of **OFF** changes the time setting by 1 hour.

The time can be set between 1 and 9 hours.

- The TIMER lamp lights orange.



### To cancel TIMER operation

2. Press **CANCEL**.

- "HR" and "OFF" disappears from the LCD.
- The TIMER lamp goes off.

### To combine ON TIMER and GOOD SLEEP OFF TIMER

- A sample setting for combining the 2 timers is shown below.
- "ON" and "OFF" are displayed on the LCD.



## NOTE

#### Note on TIMER operation

- Once you set ON / GOOD SLEEP OFF TIMER, the time setting is kept in the memory. The memory is cleared when the remote controller batteries are replaced.

## GOOD SLEEP Operations

### To use GOOD SLEEP OFF TIMER operation.

1. Press **GOOD SLEEP** during COOL operation.

- "°C" blinks for a few seconds.

• The temperature shift value (default: 2) is displayed on the LCD for a few seconds.

• "°C", "OFF" and the stop time (default: 2HR.) are displayed on the LCD.

• The TIMER lamp lights orange.



Display

2. Press **TEMP** while "°C" is blinking.

• Each pressing of the button changes temperature shift value by 1°C.

You can specify a temperature shift value between +1°C and +5°C.

3. Press **GOOD SLEEP** while "°C" is blinking.

• Each pressing of the button changes the time setting.

The time can be set between 1 and 9 hours.

1 hour... → 9 hours → OFF

### To cancel GOOD SLEEP OFF TIMER operation

1. Press **CANCEL**.

- "°C", "OFF" and the stop time indication disappear from the LCD.
- The TIMER lamp goes off.

## NOTE

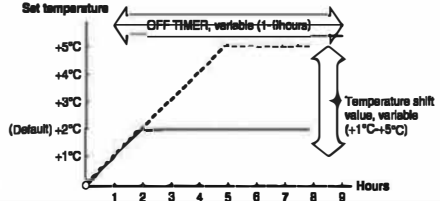
### Notes on GOODSLEEP TIMER operation

- The set temperature increases by 0.5°C in 30 minutes until the total increase reaches the specified shift value. There is no function for heating the room.

## EXAMPLE

Temperature shift value at +2°C, OFF TIMER at 8 hours ———

Temperature shift value at +5°C, OFF TIMER at 8 hours - - - - -



### In the following cases, set the timer again.

- After the circuit breaker has turned off.
- After a power failure.
- After replacing the batteries in the remote controller.

# Care and Cleaning

1

## ⚠ CAUTION

- Before cleaning, be sure to stop the operation and turn off the circuit breaker.
- Do not touch the aluminium fins of the indoor unit. If you touch those parts, this may cause an injury.
- When removing or attaching the front panel, stand on a solid, stable base and take care not to fall.
- When removing or attaching the front panel, support the panel securely with your hand to prevent it from falling.

## Units

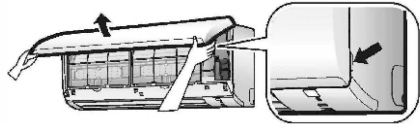
### ■ Indoor unit and remote controller

1. Wipe them with a dry soft cloth.

### ■ Front panel

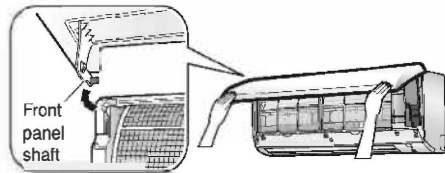
1. Open the front panel.

- Hold the front panel by the indentations in the unit and open the front panel.



2. Remove the front panel.

- Slide the front panel to either the left or right and pull it toward you to disengage one of the front panel shafts.
- Disengage the front panel shaft on the other side in the same manner.
- After disengaging both front panel shafts, pull the front panel toward yourself and remove it.

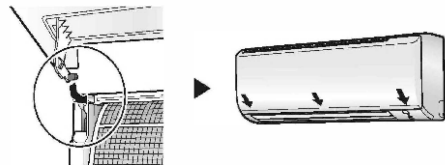


3. Clean the front panel.

- Wipe it with a soft damp cloth.
- Only neutral detergent may be used.
- In case of washing the panel with water, wipe it with a dry soft cloth, and let it dry in the shade after washing.

4. Attach the front panel.

- Align the front panel shaft on the left and right of the front panel with the grooves, then push them all the way in.
- Close the front panel slowly.
- Press the front panel at both sides and the centre.
- After cleaning, make sure that the front panel is securely fixed.



## NOTE

For cleaning, do not use any of the following:

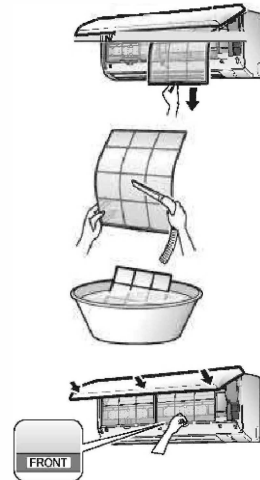
- Water hotter than 40°C
- Polishing compounds
- Volatile liquid such as benzene, petrol and thinner
- Rough materials such as a scrubbing brush

# Care and Cleaning

2

## Air filter

- Pull out the air filters.**
  - Open the front panel.
  - Push the filter tab at the centre of each air filter a little upwards, then pull it down.
- Wash the air filters with water or clean them with a vacuum cleaner.**
  - If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then let them dry in the shade.
  - It is recommended to clean the air filters every 2 weeks.
- Reattach the filters and close the front panel.**
  - Insert the filters into slots of the front grille. Close the front panel slowly and push the panel at the 3 points.



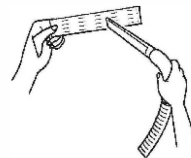
## Accessory filter

Filter type: Ag - Ion filter / Micro - filter ( PM2.5 & 1.0 )

### [Maintenance]

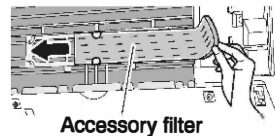
The filter can be renewed by cleaning it with a vacuum cleaner. We recommend replacing it once every 6.5 years.

- Take off the accessory filters.**
  - Open the front panel and pull out the air filters.
  - Take off the accessory filters.
    - Remove the accessory filters from the tabs.
- Vacuum dust.**
  - Do not wash the accessory filters as this will reduce their efficiency.



### [Replacement]

- Replace the old accessory filters with new accessory filters.**



# Care and Cleaning

3

## Accessory filter

Filter type: Titanium apatite deodorizing air-purifying filter / Air-purifying filter / Anti microbial filter.

### [Maintenance]

The accessory filters can be renewed by washing them with water once every 6 months. We recommend replacing them once every 3 years.

1. **Take off the accessory filters.**
  - For removal procedures, refer to "Accessory filter" on the previous page.
2. **Vacuum dust and soak in lukewarm water for about 10 to 15 minutes if very dirty.**
3. **After washing, shake off remaining water and dry in the shade.**
  - Do not wring out the accessory filters to remove water from them.



### [Replacement]

1. **Replace the old accessory filters with new accessory filters.**

## NOTE

- Dispose of the old filter as non-flammable waste.
- To order an accessory filter, contact the service centre where you bought the air conditioner.

Item	Part No.
Titanium apatite deodorizing air-purifying filter (1 set)	KAF970A45
Ag-ion filter (1 set)	KAF057A41
Anti Microbial filter (1 set)	KAF500A504
Micro-filter - PM2.5 (1 set)	KAF250A502
Micro-filter - PM 1.0 (1 set)	KAF100A507

- Operation with dirty filters: (1) cannot deodorise the air. (2) cannot clean the air.  
(3) results in poor cooling. (4) may cause odour.

## ■ Prior to a long period of non-use

1. Operate the FAN mode for several hours on a fine day to dry out the inside.
  - 1) Press **MODE** and select FAN operation.
  - 2) Press **ON/OFF** and start the operation.
2. After operation stops, turn off the circuit breaker for the room air conditioner.
3. Clean the air filters and set them again.
4. To prevent battery leakage, take out the batteries from the remote controller.

### We recommend periodical maintenance.

In certain operating conditions, the inside of the air conditioner may get foul after several seasons of use, resulting in poor performance. It is recommended to have periodical maintenance by a specialist in addition to regular cleaning by the user. For specialist maintenance, please contact the service centre where you bought the air conditioner. The maintenance cost must be borne by the user.

# Troubleshooting

## These cases are not problems.

The following cases are not air conditioner troubles but have some reasons. You may just continue using it.

Case	Explanation
<p><b>Operation does not start soon.</b></p> <ul style="list-style-type: none"> <li>• When "ON/OFF" button was pressed soon after operation was stopped.</li> <li>• When the mode was reselected.</li> </ul>	<ul style="list-style-type: none"> <li>• This is to protect the air conditioner. You should wait for about 3 minutes.</li> </ul>
<p><b>Air does not come out.</b></p>	<ul style="list-style-type: none"> <li>• If the operation is started when the airflow setting is "Auto", the SMELL PROOF operation starts running to prevent unpleasant odour inside the indoor unit. Wait for about 1 minute. (Except when POWER CHILL operation is set) Refer to "Adjusting the Airflow Rate / SMELL PROOF Operation".</li> </ul>
<p><b>The flaps do not start swinging immediately.</b></p>	<ul style="list-style-type: none"> <li>• The air conditioner is adjusting the position of the flaps. The flaps will start moving soon.</li> </ul>
<p><b>Operation stopped suddenly. (OPERATION lamp is on)</b></p>	<ul style="list-style-type: none"> <li>• To protect the system, the air conditioner may stop operating after sudden large voltage fluctuations. It automatically resumes operation in about 3 minutes.</li> </ul>
<p><b>A sound is heard.</b></p>	<ul style="list-style-type: none"> <li>■ <b>A sound like flowing water</b> <ul style="list-style-type: none"> <li>• This sound is generated because the chilled water in the air conditioner is flowing.</li> <li>• This is a pumping sound of the water in the air conditioner and can be heard when the water is pumped out from the air conditioner during COOL or DRY operation.</li> </ul> </li> <li>■ <b>Blowing sound</b> <ul style="list-style-type: none"> <li>• This sound is generated when the flow of the chilled water in the air conditioner is switched over.</li> </ul> </li> <li>■ <b>Ticking sound</b> <ul style="list-style-type: none"> <li>• This sound is generated when the cabinet and frame of the air conditioner slightly expand or shrink as a result of temperature changes.</li> </ul> </li> <li>■ <b>Clopping sound</b> <ul style="list-style-type: none"> <li>• This sound is heard from the inside of the air conditioner when the exhaust fan is activated while the room doors are closed. Open the window or turn off the exhaust fan.</li> </ul> </li> </ul>
<p><b>The outdoor unit emits water or steam.</b></p>	<ul style="list-style-type: none"> <li>■ <b>In COOL or DRY operation</b> <ul style="list-style-type: none"> <li>• Moisture in the air condenses into water on the cool surface of the outdoor unit piping and drips.</li> </ul> </li> </ul>
<p><b>Mist comes out of the Indoor unit.</b></p>	<ul style="list-style-type: none"> <li>■ This happens when unit cooling in high humidity or if unit exposed to excessive oil, dust due to this irregular temperature may occur.</li> </ul>

Case	Explanation
<b>The indoor unit gives out odour.</b>	<ul style="list-style-type: none"> <li>• The room odour absorbed in the unit is discharged with the airflow. We recommend you to have the indoor unit cleaned. Please consult your service centre.</li> </ul>
<b>Remote controller does not work properly.</b>	<ul style="list-style-type: none"> <li>■ <b>No remote controller signals are displayed.</b></li> <li>■ <b>The remote controller sensitivity is low.</b></li> <li>■ <b>The display is low in contrast or blacked out.</b></li> <li>■ <b>The display runs out of control.</b> <ul style="list-style-type: none"> <li>• The batteries are dying and the remote controller is malfunctioning. Replace both batteries with new, dry batteries (AAA). For details, refer to “<b>To Insert the batteries</b>” of this manual.</li> </ul> </li> </ul>

## Check again.

Please check again before requesting repairs.

Case	Explanation
<b>The air conditioner does not operate. (OPERATION lamp is off)</b>	<ul style="list-style-type: none"> <li>• Has the circuit breaker been tripped or the fuse blown?</li> <li>• Is there a power failure?</li> <li>• Are batteries set in the remote controller?</li> <li>• Is the timer setting correct?</li> </ul>
<b>The room does not cool down.</b>	<ul style="list-style-type: none"> <li>• Is the airflow rate setting appropriate? If the airflow rate setting is too low, increase it.</li> <li>• Is the set temperature appropriate?</li> <li>• Is the adjustment of the airflow direction appropriate?</li> <li>• Are the air filters dirty?</li> <li>• Is there anything blocking the air inlet or air outlet of the indoor unit or outdoor unit?</li> <li>• Is a window or door open?</li> <li>• Is the air conditioner in ECONO operation or GOOD SLEEP OFF TIMER operation?</li> </ul>
<b>Operation stops suddenly. (OPERATION lamp is blinking)</b>	<ul style="list-style-type: none"> <li>• Are the air filters dirty? Clean the air filters.</li> <li>• Is there anything blocking the air inlet or air outlet of the indoor unit or outdoor unit? Stop operation and after turning off the circuit breaker, remove the obstruction. Then restart operation with the remote controller. If the OPERATION lamp is still blinking, check the error code and consult your service centre.</li> <li>• If the lamp stop blinking after the above steps, there is no malfunction.</li> </ul>
<b>An abnormal functioning happens during operation.</b>	<ul style="list-style-type: none"> <li>• The air conditioner may malfunction with lightning or radio waves. Turn off the circuit breaker, turn it on again and try operating the air conditioner with the remote controller.</li> </ul>

## Call your service centre immediately.



### WARNING

- When an abnormality (such as a burning smell) occurs, stop operation and turn off the circuit breaker.  
Continued operation in an abnormal condition may result in problems, electric shock or fire. Consult the service centre where you bought the air conditioner.
- Do not attempt to repair or modify the air conditioner by yourself.  
Incorrect work may result in electric shock or fire. Consult the service centre where you bought the air conditioner.

If one of the following symptoms takes place, call your service centre immediately.

- The power cord is abnormally hot or damaged.
- An abnormal sound is heard during operation.
- The circuit breaker, a fuse, or the earth leakage circuit breaker cuts off the operation frequently.
- A switch or a button often fails to work properly.
- There is a burning smell.
- Water leaks from the indoor unit.



Turn off the circuit breaker and call your service centre.

- After a power failure  
The air conditioner automatically resumes operation in about 3 minutes. You should just wait for a while.

- Lightning  
If there is a risk lightning could strike in the neighbourhood, stop operation and turn off the circuit breaker to protect the system.

### Disposal requirements



Your air conditioning product is marked with this symbol. This means that electrical and electronic products shall not be mixed with unsorted household waste.

Do not try to dismantle the system yourself: the dismantling of the air conditioning system, treatment of the chilled water, of oil and of other parts must be done by a qualified installer in accordance with relevant local and national legislation.

Air conditioners must be treated at a specialized treatment facility for re-use, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health. Please contact the installer or local authority for more information.

Batteries must be removed from the remote controller and disposed of separately in accordance with relevant local and national legislation.

## Fault diagnosis by remote controller

The remote controller can receive relevant error codes from the indoor unit.

1. When **CANCEL** is held down for about 5 seconds, “**U**” blinks in the temperature display section.
2. Press **CANCEL** repeatedly until a long beep is produced.

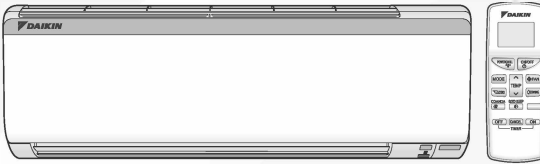
- The code indication changes as shown below, and notifies with a long beep.

	CODE	MEANING
SYSTEM	00	NORMAL
	UA	INDOOR-OUTDOOR UNIT COMBINATION FAULT
	U0	WATER SHORTAGE
	U2	DROP VOLTAGE OR MAIN CIRCUIT OVERVOLTAGE
	U4	FAILURE OF TRANSMISSION (BETWEEN INDOOR UNIT AND OUTDOOR UNIT)
INDOOR UNIT	A1	INDOOR PCB DEFECTIVENESS
	A5	FREEZE-UP PROTECTOR
	A8	FAN MOTOR FAULT
	C4	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	C9	FAULTY SUCTION AIR TEMPERATURE SENSOR

### NOTE

- A short beep indicates non-corresponding codes.
- To cancel the code display, hold down **CANCEL** for about 5 seconds.  
The code display also cancels itself if the button is not pressed for 1 minute.

CHILLED WATER HI-WALL  
**INSTALLATION MANUAL**





**MODELS:**




**FTW35ARV16**  
**FTW50ARV16**  
**FTW35ASV16**  
**FTW50ASV16**

# SAFETY PRECAUTIONS

- The precautions described herein are classified as **WARNING** and **CAUTION**. They both contain important information regarding safety. Be sure to observe all precautions without fail.
- Meaning of **WARNING** and **CAUTION** notices



	<b>WARNING</b>	Failure to follow these instructions properly may result in personal injury or loss of life.
	<b>CAUTION</b>	Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.

- The safety marks shown in this manual have the following meanings:


	Be sure to follow the instructions.		Be sure to establish an earth connection.		Never attempt.
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- After completing installation, conduct a trial operation to check for faults and explain to the customer how to operate the air conditioner and take care of it with the aid of the operation manual.

## **WARNING**

- Ask your dealer or qualified personnel to carry out installation work.  
Do not attempt to install the air conditioner yourself. Improper installation may result in water leakage, electric shocks or fire.
- Install the air conditioner in accordance with the instructions in this installation manual. Improper installation may result in water leakage, electric shocks or fire.
- Be sure to use only the specified accessories and parts for installation work. Failure to use the specified parts may result in the unit falling, water leakage, electric shocks or fire.
- Install the air conditioner on a foundation strong enough to withstand the weight of the unit. A foundation of insufficient strength may result in the equipment falling and causing injury.
- Electrical work must be performed in accordance with relevant local and national regulations and with instructions in this installation manual. Be sure to use a dedicated power supply circuit only. Insufficiency of power circuit capacity and improper workmanship may result in electric shocks or fire.
- Use a cable of suitable length. Do not use tapped wires or an extension lead, as this may cause overheating, electric shocks or fire.
- Make sure that all wiring is secured, the specified wires are used, and that there is no strain on the terminal connections or wires. Improper connections or securing of wires may result in abnormal heat build-up or fire.
- When wiring the power supply and connecting the wiring between the indoor and outdoor units, position the wires so that the control box lid can be securely fastened. Improper positioning of the control box lid may result in electric shocks, fire or over heating terminals.
- After completing installation, check for water leakage. 
- When installing or relocating the air conditioner, be sure to bleed the water circuit to ensure it is free of air. The presence of air or other foreign matter in the water circuit causes abnormal pressure rise, which may result in equipment damage and even injury.
- During installation, attach the water piping securely before running the chiller. If the water pipes are not attached and the stop valve is open when the chiller is run, air will be sucked in, causing abnormal pressure in the water circuit, which may result in equipment damage and even injury.
- Be sure to earth the air conditioner.   
Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead. Imperfect earthing may result in electric shocks.
- Be sure to install an earth leakage circuit breaker. Failure to install an earth leakage circuit breaker may result in electric shocks or fire.

## **CAUTION**

- Do not install the air conditioner at any place where there is a danger of flammable gas leakage.   
In the event of a gas leakage, build-up of gas near the air conditioner may cause a fire to break out.
- While following the instructions in this installation manual, install drain piping to ensure proper drainage and insulate piping to prevent condensation. Improper drain piping may result in indoor water leakage and property damage.
- Tighten the flare nut according to the specified method such as with a torque wrench. If the flare nut is too tight, it may crack after prolonged use, causing water leakage.
- Take adequate steps to prevent the outdoor unit being used as a shelter by small animals.  
Small animals making contact with electrical parts can cause malfunctions, smoke or fire. Please instruct the customer to keep the area around the unit clean.
- The temperature of water circuit will be high, please keep the inter-unit wires away from copper pipes that are not thermally insulated.

## Accessories (A ~ T)

ITEM	QTY.	Remarks	ITEM	QTY.	Remarks
Ⓐ Mounting plate	1	○	Ⓔ Remote controller holder fixing screw (M3 x 20L)	2	※
Ⓑ Mounting plate fixing screw (M4 x 25L)	6/7*	○	Ⓕ 4-Core wire (3.7M)	※	※
Ⓒ Wireless Remote Controller	1	○	Ⓖ Tie wrap	6	※
Ⓓ Dry battery (AAA)	※	※	Ⓗ Accessory filter	1/2**	※
Ⓔ Indoor Unit Fixing Screw (M4 x 12L)	2	○	Ⓗ Gas pipe (3.0M)	※	※
Ⓕ Operation Manual + Installation Manual	1+1	○	Ⓖ Liquid pipe (3.0M)	※	※
Ⓖ E-Waste (Guideline)	1	○	Ⓗ Drain socket	※	※
Ⓗ Product warranty	※	○	Ⓗ Heat insulation tape	※	※
Ⓗ Remote controller holder	1	※	Ⓗ Wi-Fi manual	※	※

‘○’ Applicable for all models ‘※’ Applicable only for selected models. ‘\*\*’ Quantity may vary model to model.

Note: The accessories parts included with the unit displayed on the packing case name plate / Label of indoor and outdoor packing case

Table No. 1

## PRECAUTIONS FOR SELECTING A LOCATION

- Before choosing the installation site, obtain user approval.

### Indoor unit

The indoor unit should be positioned in a place where:

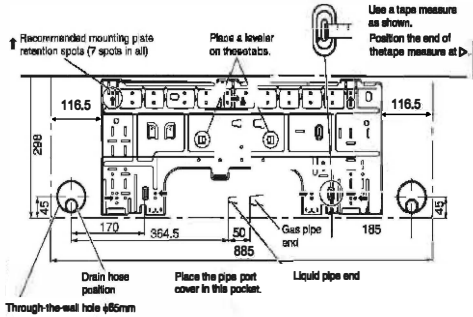
- 1) the restrictions on the installation requirements specified in "Indoor/Outdoor Installation Diagram" are met,
- 2) both the air inlet and air outlet are unobstructed,
- 3) the unit is not exposed to direct sunlight,
- 4) the unit is away from sources of heat or steam,
- 5) there is no source of machine oil vapour (this may shorten the indoor unit service life),
- 6) cool air is circulated throughout the room,
- 7) the unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may affect the remote controller range,
- 8) the unit is at least 1 m away from any television or radio set (the unit may cause interference with the picture or sound),
- 9) the unit can be installed at the recommended height (1.8m),
- 10) no laundry equipment is nearby.

# INDOOR UNIT

## 1 INSTALLING THE MOUNTING PLATE

- The mounting plate should be installed on a wall which can support the weight of the indoor unit.
- 1) Temporarily secure the mounting plate to the wall, make sure that the panel is completely level, and mark the boring points on the wall.
- 2) Secure the mounting plate to the wall with screws.

### Recommended mounting-plate retention spots and Dimensions



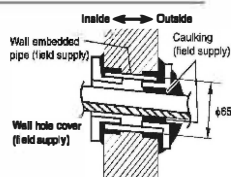
All dimensions are in mm.

## 2 DRILLING A WALL HOLE AND INSTALLING WALL EMBEDDED PIPE

### ⚠ WARNING

For metal frame or metal board walls, be sure to use a wall embedded pipe and wall hole cover in the feed-through hole to prevent possible heat, electrical shock, or fire.

- 1) Drill a feed-through hole with a 65mm diameter through the wall at a downward angle toward the outside.
- 2) Insert a wall embedded pipe into the hole.
- 3) Insert a wall hole cover into wall pipe.



# INDOOR UNIT

## 3 INSTALLING THE INDOOR UNIT

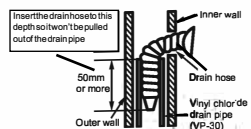
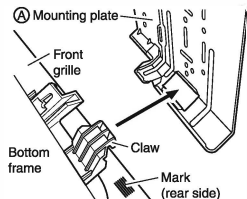
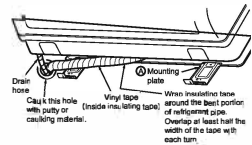
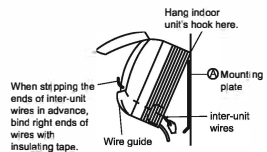
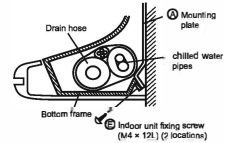
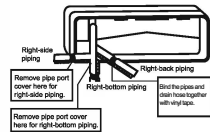
### Right-Side, Right-Back or Right-Bottom Piping

- 1) Open the front panel, open the Front grille (If Required), then open the service lid. (Refer to Installation Tips.)
- 2) Shape the chilled water pipes.
- 3) Pass the drain hose and chilled water pipes through the wall hole.
- 4) Hang the indoor unit on (A) mounting Plate
- 5) Pass the inter-unit wires from the outdoor unit through the feed-through wall hole and then through the back of the indoor unit. Pull them through the front side. Bend the ends of tie wires upward in advance for easier work. (If the inter unit wires ends are to be stripped first, bundle wire ends with adhesive tape.)
- 6) Connect the chilled water pipes.
- 7) Bind chilled water pipe and drain hose with vinyl tape then wrap the chilled water pipes and drain hose together with insulation tape (field supply) as shown in the figure.
- 8) Hook the claws of the bottom frame to the mounting plate, press the bottom frame of the indoor unit with both hands to set it on the (A) mounting plate hooks. Make sure the wire lead do not catch on the edge of the indoor unit.
- 9) Secure the indoor unit to the (A) mounting plate with the (E) indoor unit fixing screws (M4 x 12L).
- 10) Caulk the gap between the pipe and the front grille with putty.
- 11) After completing chilled water piping, wiring and drain piping, caulk pipe hole gap with putty.

**Note - Piping installation is to be done from right side only.**

### Wall Embedded Piping

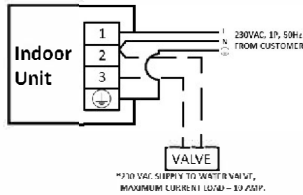
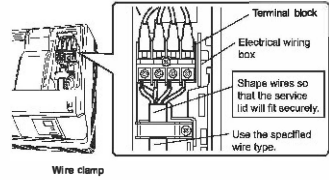
- 1) Insert the drain hose to this depth so it won't be pulled out of the drain pipe



# INDOOR UNIT

## 4 WIRING

- Strip wire ends (15mm).
- All wires must be firmly connected to the corresponding terminals with the screw.
- Connect the earth wires to the corresponding terminals.  
Attach the earth wire so that it is not connected to the fan motor connector.
- All wires must not touch the water piping, or any moving parts of the fan motor.
- The connecting wires to the indoor unit must be clamped on the wire clamps as shown in figure.
- Pull wires to make sure that they are securely latched up, then retain wires with wire retainer.
- Shape the wires so that the service lid fits securely, then close service lid.



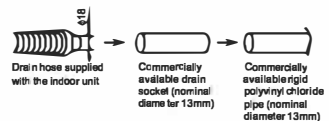
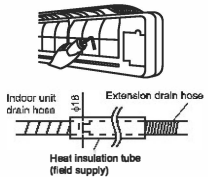
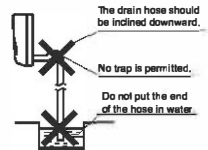
Model	FTW35/50ARV16 · FTW 35/50ASV16
Power Supply	50Hz 230V <sup>~</sup> or Country specific
Power supply wire	3-core, 1.5mm <sup>2</sup> or more
Wire standard	IS:694 or country specific standard
Circuit breaker size	1A or more

### ⚠ WARNING

- Use a stabiliser if required by the voltage supply condition.
- Do not use tapped wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire.
- Do not use locally purchased electrical parts inside the product.

## 5 DRAIN PIPING

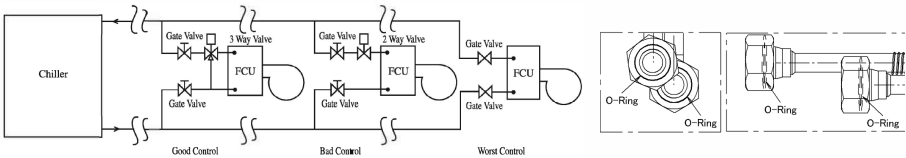
- Connect the drain hose, as described right.
- Remove the air filters and pour some water into the drain pan to check the water flows smoothly.
- When drain hose requires extension, obtain an extension hose commercially available. Be sure to thermally insulate the indoor section of the extension hose.
- When connecting a rigid polyvinyl chloride pipe (nominal diameter 13mm) directly to the drain hose attached to the indoor unit as with embedded piping work, use any commercially available drain socket (nominal diameter 13mm) as a joint.



## WATER PIPING WORK

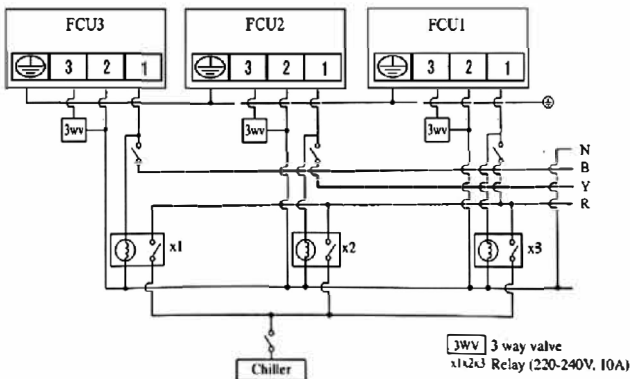
Carry out insulation of both inlet and outlet water piping securely. If not insulated, it may cause water leakage. For water outlet piping, use insulation material of which heat resistant temperature is not less than 120°C. For use under high humidity, strengthen the insulation material for water piping. If not strengthened, the surface of insulation material may sweat.

- The indoor unit is equipped with water outlet and inlet threaded connection. There is an air vent that is fitted along with the water outlet connection for air purging.
- 3 ways valve is required for cycling off or bypass the chilled water.
- Black steel pipe, polystyrene pipe and copper tube are recommended in the field installation. All types of piping and connection must be insulated with polyetyrene (ARMAFLEX type or equivalent) to avoid condensation.
- Do not use contaminated or damaged pipe and fitting for installation.
- Some main fitting components are needed in the system to enhance the capacity and ease the service, such as gate valve, balancing valve, 2 ways or 3 ways valve, filter, strainer etc.
- During system installation put the O-Ring, provided in the accessory bag, inside the union joint.



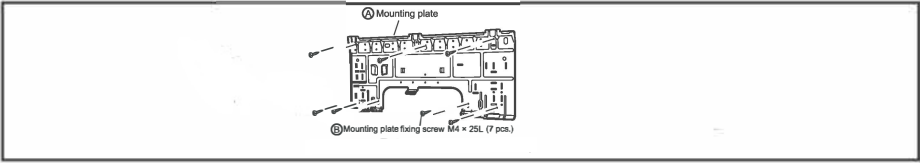
Piping Size (mm)	Tightening Torque (N-m)
12.7	26 ± 2.6

## ELECTRICAL WIRING CONNECTION

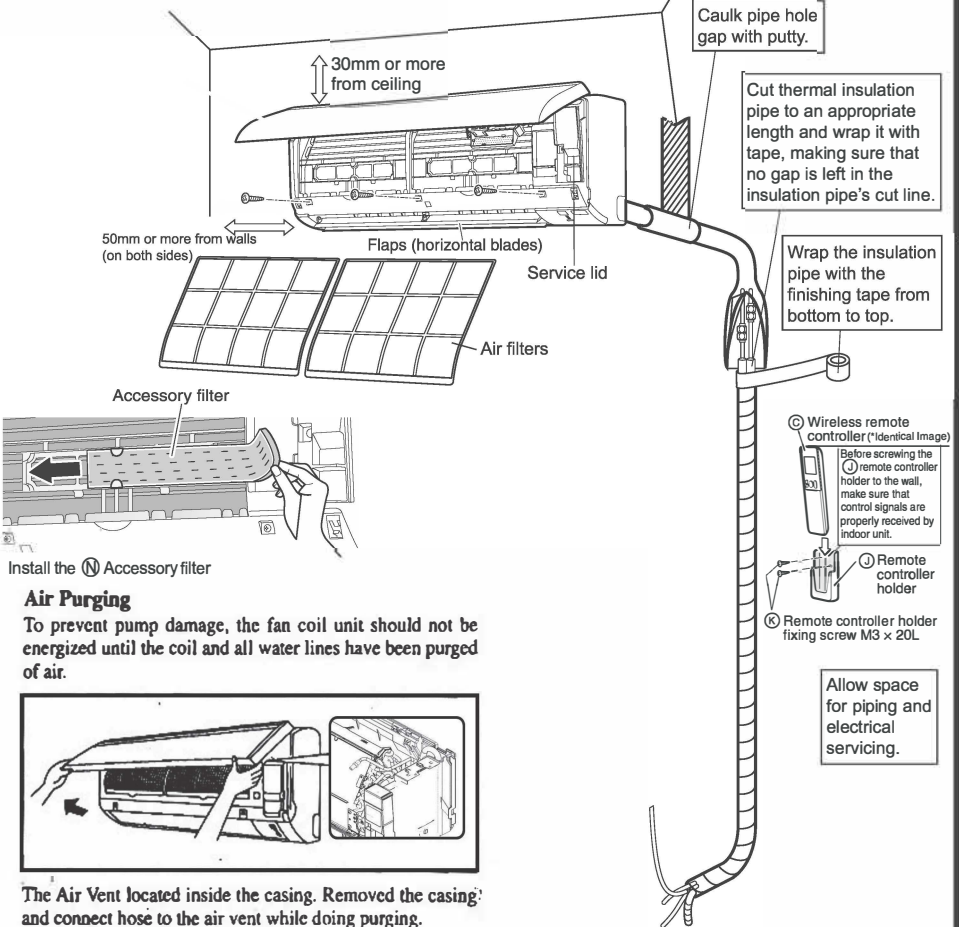


# Indoor/outdoor Unit Installation Diagram

- The mounting plate should be installed on a wall which can support the weight of the indoor unit.



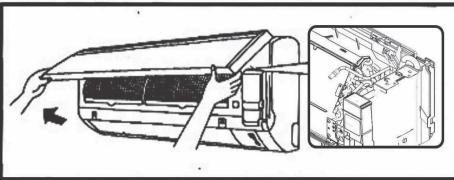
Note: Before installation, mounting plate size & shape must be matched with mounting plate available in the unit, then accordingly follow the installation instruction.



Install the **(N)** Accessory filter

## Air Purging

To prevent pump damage, the fan coil unit should not be energized until the coil and all water lines have been purged of air.



The Air Vent located inside the casing. Removed the casing and connect hose to the air vent while doing purging.

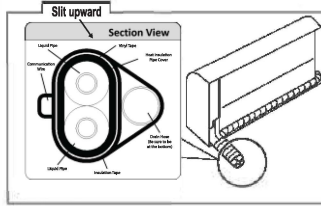
## ⚠ CAUTION

Ensure there is no water droplets go into the control box during purging process.

Note: All shapes or appearance may vary from actual parts.

# BINDING OF INSULATION PIPE

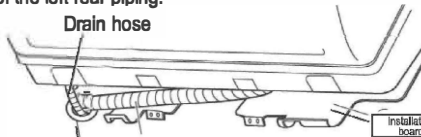
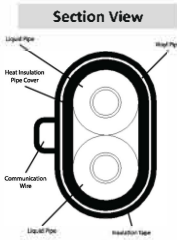
1. The slit direction should be upward.
2. It should be sealed with vinyl tape without any gap.
3. Do not over tighten with vinyl tape.



Wrap vinyl tape with the slit of the heat insulation pipe cover facing up so that there are no gap. If there is a gap or if it is tightened too much, it may cause condensation or water dripping.



This illustration shows the case of the left rear piping.

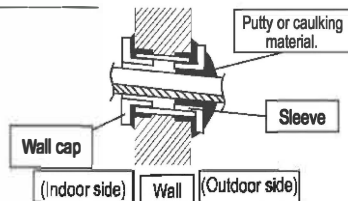


- Overwrap more than half of heat insulation tape.
- Wrap the heat insulation tape around all the pipes from the right side to the left side of the pipe that pass through the back side of indoor unit.

Seal with putty or caulking material.

## ⚠ WARNING

Fill the gap from both the indoor side and the outdoor side to prevent dew condensation, misdetection of indoor temperature, and invasion of small animals.



# INSTALLATION TIPS

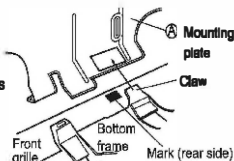
## ■ Installing and Removing the indoor unit.

### • Installation method

Hook the claws of the bottom frame to the mounting plate.  
If the claws are difficult to hook, remove the front grille.

### • Removal method

Push up the marked area (at the lower part of the front grille) to release the claws. If it is difficult to release, remove the front grille.



## ⚠ CAUTION

Do not hold the midsection of the bottom of the front grille when carrying the indoor unit.

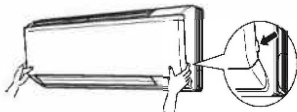
## ■ Removing and installing the front panel.

### • Removal method

Hold the front panel by the indentations in the main unit and open the panel. Slide the front panel sideways to disengage the front panel shaft.

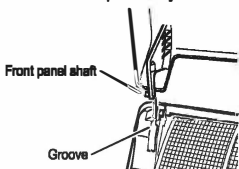
Then pull the front panel toward you to remove it.

You can also remove the front panel by pushing it open until the front panel shaft is disconnected.



### • Installation method

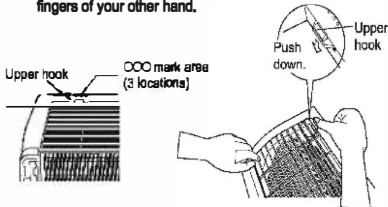
Align the front panel shaft of the front panel with the grooves, and push all the way in. Then close slowly. Push the centre of the lower surface of the panel firmly.



## ■ Removing and installing the front grille.

### • Removal method

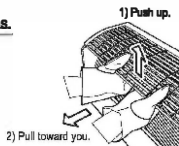
- 1) Remove the front panel to remove the air filter.
- 2) Remove the flap (horizontal blade).
- 3) Remove the front grille. (2 screws)
- 4) In front of the ○○○ mark of the front grille, there are 3 upper hooks. Lightly pull the front grille toward you with one hand, and push down on the hooks with the fingers of your other hand.



<When there is no work space because the unit is close to ceiling>

## ⚠ CAUTION

Be sure to wear protection gloves.



Place both hands under the centre of the front grille, and while pushing up, pull it toward you.

### • Installation method

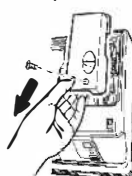
- 1) Install the front grille and firmly engage the upper hooks (3 locations).
- 2) Install 2 screws of the front grille.
- 3) Install the air filter and then mount the front panel.

## ■ Opening the service lid.

The service lid is opening/closing type.

### • Opening method

- 1) Remove the service lid screws.
- 2) Pull out the service lid diagonally down in the direction of the arrow.
- 3) Pull down.

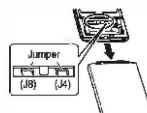


## ■ How to set the different addresses.

When 2 indoor units are installed in one room, the 2 wireless remote controllers can be set for different addresses. Change the address setting of one of the two units.

When cutting the jumper (J4) be careful not to damage any of the surrounding parts.

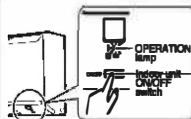
- 1) Remove the battery cover on the remote controller and cut the address jumper (J4).
- 2) Press **TRAP** and **MODE** at the same time.
- 3) Press **TRAP**, select **1**, press **MODE**.  
(The indoor unit OPERATION lamp will blink for about 1 minute.)
- 4) Press the indoor unit ON/OFF switch while the OPERATION lamp is blinking.



J4	ADDRESS
EXIST	1
CUT	2

• If setting could not be carried out completely while the OPERATION lamp was blinking, carry out the setting process once again from the beginning.

• After setting is complete, pressing **MODE** for about 5 seconds will cause the remote controller to return to the previous display.



**Note:**  
Remove polythene film from front panel wherever applied.

**PROTECT THE ENVIRONMENT FROM E-WASTE ( GUIDELINES)**

Meaning of E-waste under E-Waste (Management) Rules,2022 (E-waste Rules)  
-Waste electrical and electronic equipment, whole or in part of reject from their manufacturing and repair process, which are intended to be discarded.

Our product is RoHS compliant.



**Don't dump Electrical and Electronic Products in Garbage Bins**

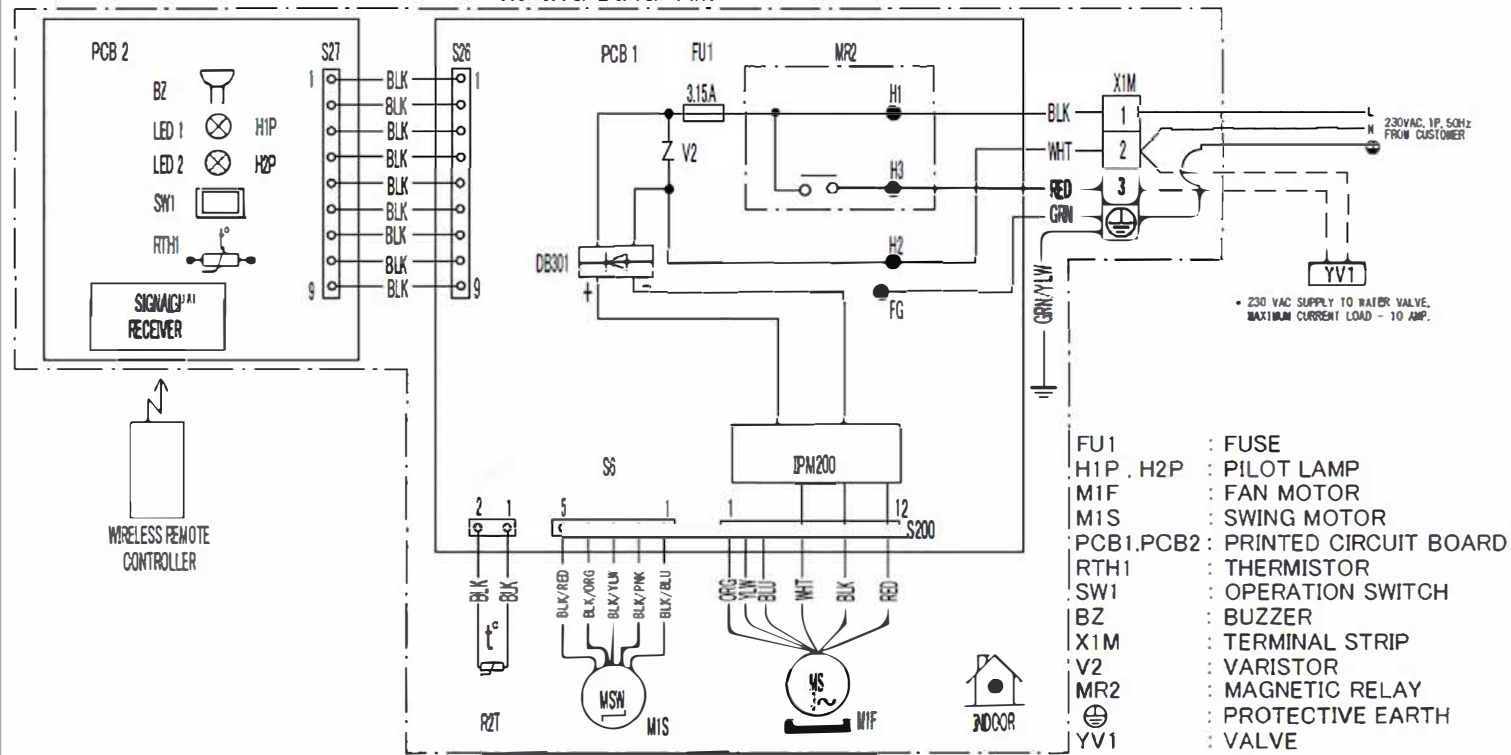
**DO'S & DONT'S**

<b>DO'S</b>	
Run and maintain the air conditioner as per the instructions given in the operation / instruction manual	✓
Ensure that an authorised person repairs your air conditioner	✓
Call our local authorised dealer or our toll free number to dispose your air conditioner	✓
Contact an authorised dealer in case of installation or de-installation	✓
Consult our local authorised dealer or our toll free number on the life span of the air conditioner	✓

<b>DONT'S</b>	
Do not try to repair your air conditioner on your own	✗
Do not sell or dispose your air conditioner or parts to an unauthorised Kabbadi wala / Scrap Dealer / Ragpickers	✗
Do not dismantle your air conditioner on your own	✗
Do not get your air conditioner or any parts repaired by an unauthorised person	✗
Do not dispose off the E-waste in landfills	✗
Do not use the air conditioner as furniture after its use	✗

**Customer Contact Center : 011-4031 9300/1860-180-3900**  
**For further information visit us at [www.daikinindia.com](http://www.daikinindia.com)**

# WIRING DIAGRAM



• 230 VAC SUPPLY TO WATER VALVE.  
MAXIMUM CURRENT LOAD - 10 AMP.

- FU1 : FUSE
- H1P , H2P : PILOT LAMP
- M1F : FAN MOTOR
- M1S : SWING MOTOR
- PCB1,PCB2 : PRINTED CIRCUIT BOARD
- RTH1 : THERMISTOR
- SW1 : OPERATION SWITCH
- BZ : BUZZER
- X1M : TERMINAL STRIP
- V2 : VARISTOR
- MR2 : MAGNETIC RELAY
- PE : PROTECTIVE EARTH
- YV1 : VALVE

**CAUTION-**  
NOTE THAT OPERATION WILL RESTART AUTOMATICALLY IF THE MAIN POWER SUPPLY IS TURNED OFF AND THEN BACK ON AGAIN.

3D152033-1

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