

INSTALLATION MANUAL

VRV SYSTEM Inverter Air Conditioners

MODELS

VISTA 2x2 Cassette type

FXZA05AAVJU

FXZA07AAVJU

FXZA09AAVJU

FXZA12AAVJU

FXZA15AAVJU

FXZA18AAVJU

English

Français

Español

Please visit <http://www.daikinac.com/content/resources/manuals> for the most current version of installation instructions and service manual. In the event of conflicting information, the online contents are to be used.

Veillez visiter <http://www.daikinac.com/content/resources/manuals> pour obtenir la version la plus récente des instructions d'installation et du manuel de service. En cas de conflit d'informations, le contenu en ligne est à privilégier.

Visite <http://www.daikinac.com/content/resources/manuals> para obtener la versión más actualizada de las instrucciones de instalación y el manual de servicio en español. En caso de información contradictoria, debe utilizarse el contenido en línea.

Contents

	Page
1. SAFETY CONSIDERATIONS	1
2. Before installation	3
3. Selecting installation site	5
4. Preparations before installation	6
5. Indoor unit installation	6
6. Refrigerant piping work	7
7. Drain piping work	9
8. Electric wiring work	11
9. Wiring example and how to set the remote controller	12
10. Wiring example	13
11. Installation of the decoration panel	14
12. Field setting	14
13. Test operation	16

1. SAFETY CONSIDERATIONS

Refer also to the General safety considerations attached to the outdoor unit.

	Read the safety considerations in this manual carefully before operating the unit.
	This appliance is filled with R32.

Read these **SAFETY CONSIDERATIONS for Installation** carefully before installing air conditioning equipment. After completing the installation, make sure that the unit operates properly during the startup operation.

Instruct the customer on how to operate and maintain the unit. Inform customers that they should store this Installation Manual with the Operation Manual and General Safety Considerations for future reference.

Always use a licensed installer or contractor to install this unit. Improper installation can result in water or refrigerant leakage, electric shock, fire or explosion.

Meanings of **DANGER**, **WARNING**, **CAUTION**, and **NOTE** Symbols:

 **DANGER**Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

 **WARNING**Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION**Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

 **NOTE**Indicates situations that may result in equipment or property damage accidents only.

DANGER

- Refrigerant gas is heavier than air and replaces oxygen. A massive leak can lead to oxygen depletion, especially in basements, and an asphyxiation hazard could occur leading to serious injury or death.
- Do not ground units to water pipes, gas pipes, telephone wires, or lightning rods as incomplete grounding can cause a severe shock hazard resulting in severe injury or death. Additionally, grounding to gas pipes could cause a gas leak and potential explosion causing severe injury or death.
- If refrigerant gas leaks during installation, ventilate the area immediately. Refrigerant gas may produce toxic gas if it comes in contact with fire. Exposure to this gas could cause severe injury or death.
- After completing the installation work, check that the refrigerant gas does not leak throughout the system.
- Do not install unit in an area where flammable materials are present due to risk of explosions that can cause serious injury or death.
- Safely dispose of all packing and transportation materials in accordance with federal/state/local laws or ordinances. Packing materials such as nails and other metal or wood parts, including plastic packing materials used for transportation may cause injury or death by suffocation.

WARNING

- Only qualified personnel must carry out the installation work. Installation must be done in accordance with this installation manual. Improper installation may result in water leakage, electric shock or fire.
- When installing the unit in a small room, take measures to keep the refrigerant concentration from exceeding allowable safety limits. Excessive refrigerant leaks, in the event of an accident in a closed ambient space, can lead to oxygen deficiency.
- Use only specified accessories and parts for installation work. Failure to use specified parts may result in water leakage, electric shock, fire or the unit falling.
- Install the air conditioner or heat pump on a foundation strong enough that it can withstand the weight of the unit. A foundation of insufficient strength may result in the unit falling and causing injury.
- Take into account strong winds, typhoons, or earthquakes when installing. Improper installation may result in the unit falling and causing accidents.
- Make sure that a separate power supply circuit is provided for this unit and that all electrical work is carried out by qualified personnel according to local, state and national regulations. An insufficient power supply capacity or improper electrical construction may lead to electric shock or fire.
- Make sure that all wiring is secured, that specified wires are used, and that no external forces act on the terminal connections or wires. Improper connections or installation may result in fire.
- When wiring, position the wires so that the control box cover can be securely fastened. Improper positioning of the control box cover may result in electric shock, fire or the terminals overheating.
- Before touching electrical parts, turn off the unit.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odor.

- Comply with national gas regulations.
- This equipment can be installed with a Ground-Fault Circuit Interrupter (GFCI). Although this is a recognized measure for additional protection, with the grounding system in North America, a dedicated GFCI is not necessary.
- When installing or relocating the system, keep the refrigerant circuit free from substances other than the specified refrigerant (R32) such as air. Any presence of air or other foreign substance in the refrigerant circuit can cause an abnormal pressure rise or rupture, resulting in injury.
- Do not change the setting of the protection devices. If the pressure switch, thermal switch, or other protection device is shorted and operated forcibly, or parts other than those specified by Daikin are used, fire or explosion may occur.
- Do not install in a wet room such as a bathroom or laundry room due to a risk of fire or electric shock.
- That pipe-work including piping material, pipe routing, and installation shall include protection from physical damage in operation and service, and be in compliance with national and local codes and standards, such as ASHRAE 15, ASHRAE 15.2, IAPMO Uniform Mechanical Code, ICC International Mechanical Code, or CSA B52. All field joints shall be accessible for inspection prior to being covered or enclosed;



CAUTION

- Do not touch the switch with wet fingers. Touching a switch with wet fingers can cause electric shock.
- Do not allow children to play on or around the unit to prevent injury.
- Do not touch the refrigerant pipes during and immediately after operation as the refrigerant pipes may be hot or cold, depending on the condition of the refrigerant flowing through the refrigerant piping, compressor, and other refrigerant cycle parts. Your hands may suffer burns or frostbite if you touch the refrigerant pipes. To avoid injury, give the pipes time to return to normal temperature or, if you must touch them, be sure to wear proper gloves.
- The heat exchanger fins are sharp enough to cut. To avoid injury wear gloves or cover the fins when working around them.
- Install drain piping to proper drainage. Improper drain piping may result in water leakage and property damage.
- Insulate piping to prevent condensation.
- Be careful when transporting the unit.
- Do not turn off the power supply immediately after stopping operation. Always wait for at least 5 minutes before turning off the power supply. Otherwise, water leakage may occur.
- Do not use a charging cylinder. Using a charging cylinder may cause the refrigerant to deteriorate.
- Refrigerant R32 in the system must be kept clean, dry, and tight.
 - (a) Clean and Dry - Foreign materials (including mineral oils such as SUNISO oil or moisture) should be prevented from getting into the system.
 - (b) Tight - R32 does not contain any chlorine, does not destroy the ozone layer, and does not reduce the earth's protection against harmful ultraviolet radiation. R32 can contribute to the greenhouse effect if it is released. Therefore take proper measures to check for the tightness of the refrigerant piping installation. Read the chapter Refrigerant Piping Work and follow the procedures.
- The indoor unit is for R32. See the catalog for indoor models that can be connected. Normal operation is not possible when connected to other units.
- Indoor units are for indoor installation only. Outdoor units can be installed either outdoors or indoors.

- Do not install the air conditioner or heat pump in the following locations:
 - (a) Where a mineral oil mist or oil spray or vapor is produced, for example, in a kitchen. Plastic parts may deteriorate and fall off or result in water leakage.
 - (b) Where corrosive gas, such as sulfurous acid gas, is produced. Corroding copper pipes or soldered parts may result in refrigerant leakage.
 - (c) Near machinery emitting electromagnetic waves. Electromagnetic waves may disturb the operation of the control system and cause the unit to malfunction.
 - (d) Where flammable gas may leak, where there is carbon fiber, or ignitable dust suspension in the air, or where volatile flammables such as thinner or gasoline are handled. Operating the unit in such conditions can cause fire.



NOTE

- Install the power supply and transmission wires for the indoor and outdoor units at least 3.5 ft. (1 m) away from televisions or radios to prevent image interference or noise. Depending on the radio waves, a distance of 3.5 ft. (1 m) may not be sufficient to eliminate the noise.
- Dismantling the unit, treatment of the refrigerant, oil and additional parts must be done in accordance with the relevant local, state, and national regulations.
- Only use tools for R32, such as a gauge manifold, charge hose, gas leak detector, reverse flow check valve, refrigerant charge base, vacuum gauge, or refrigerant recovery equipment.
- If the conventional refrigerant and refrigerator oil are mixed in R32, the refrigerant may deteriorate.
- This air conditioner or heat pump is an appliance that should not be accessible to the general public.
- As design pressure is 580 psi (4.0 MPa), the wall thickness of field-installed pipes should be selected in accordance with the relevant local, state, and national regulations.
- A refrigerant sensor is mounted in the indoor units. Do not use gas appliances using flammable gas (propane, butane, methane, etc.), sprays using flammable gas (LPG, etc.) such as insecticide or hair spray, smoke, medical agent and paint in the vicinity. If it reacts, a malfunction code is displayed and the operation may not be able to be performed.
- Once the refrigerant sensor reacts, it needs to be replaced with a new one.

2. Before installation

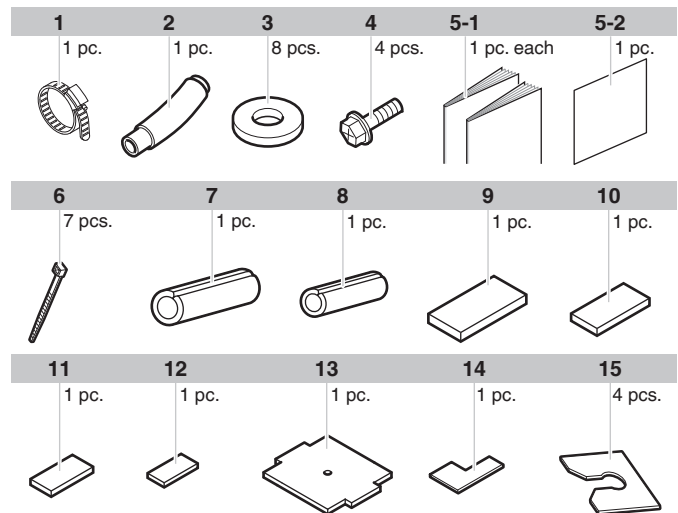
- Decide upon a line of transport.
- Leave the unit inside its packaging until you reach the installation site. Where unpacking is unavoidable, use a sling of soft material or protective plates together with a rope when lifting, to avoid damage or scratches to the unit.
When unpacking the unit or when moving the unit after unpacking, be sure to lift the unit by holding on to the hanger bracket without exerting any pressure on other parts, especially on refrigerant piping, drain piping and other resin parts.
- Refer to the installation manual of the outdoor unit for items not described in this manual.
For installation of the outdoor unit and additional refrigerant charge, refer to the installation manual attached to the outdoor unit.
- Do not dispose of any parts necessary for installation until the installation is complete.
- Caution concerning refrigerant series R32:
The connectable outdoor units must be designed exclusively for R32.

Precautions

- This appliance is not intended for use by persons, including children, with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
Children should be supervised to ensure that they do not play with the appliance.
- This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.
- Do not install or operate the unit in rooms mentioned below.
 - Places with mineral oil, or filled with oil vapour or spray like in kitchens. (Plastic parts may deteriorate.)
 - Where corrosive gas like sulphurous gas exists. (Copper tubing and brazed spots may corrode.)
 - Where volatile flammable gas like thinner or gasoline is used.
 - Where machines generating electromagnetic waves exist. (Control system may malfunction.)
 - Where the air contains high levels of salt such as air near the ocean and where voltage fluctuates a lot (e.g. in factories). Also in vehicles or vessels.
- When selecting the installation site, use the supplied paper pattern for installation.
- Do not install accessories on the casing directly. Drilling holes in the casing may damage electrical wires and consequently cause fire.

Accessories

Check if the following accessories are included with your unit.



- Metal clamp
- Drain hose
- Washer for hanger bracket
- Screw
- 5-1 Installation and operation manuals
- 5-2 Operation manual (Regarding copyright)
- Clamp
- Insulation for fitting for gas pipe
- Insulation for fitting for liquid pipe
- Large sealing pad
- Medium 1 sealing pad
- Medium 2 sealing pad
- Small sealing pad
- Paper pattern for installation (cut out from upper part of packing)
- Installation guide
- Washer fixing plate

Optional accessories

- Install the remote controller to the place where the customer has given consent.
Refer to the catalog for the applicable model.
(Refer to the installation manual attached to the remote controller for how to install.)
- This indoor unit always requires the optional decoration panel for installation.

CARRY OUT THE WORK GIVING CAUTION TO THE FOLLOWING ITEMS AND AFTER THE WORK IS COMPLETED, CHECK THEM AGAIN.

(1) Items to be checked after the installation work is completed

Items to be checked	In case of defective	✓
Are the indoor and outdoor units rigidly fixed?	Drop · vibration · noise	
Is the installation work of the outdoor and indoor units completed?	Does not operate · burnout	
Have you carried out air tight test with the test pressure specified in the outdoor unit installation manual?	Does not cool / Does not heat	
Is the insulation of refrigerant piping and drain piping completely carried out?	Water leakage	
Does the drain flow out smoothly?	Water leakage	
Is the power supply voltage identical to that stated in the name plate on the air conditioner?	Does not operate · burnout	
Are you sure that there is no wrong wiring or piping or no loose wiring?	Does not operate · burnout	
Is grounding completed?	Danger in case of leakage	
Are the sizes of electric wiring according to the specification?	Does not operate · burnout	
Is any of air outlets or inlets of the indoor and outdoor units blocked with obstacles? If so, it could cause the capacity to drop due to fan-speed drop or malfunction of equipment.	Does not cool / Does not heat	
Have you recorded the refrigerant piping length and the refrigerant charge added?	Refrigerant charge amount is not clear	
Are any screws loose in wiring connections?	Electric shock, fire	

Make sure to recheck the items of 1. **SAFETY CONSIDERATIONS.**

(2) Items to be checked at time of delivery

Items to be checked	✓
Have you carried out field setting? (if necessary)	
Are the control box cover, the air filter and the suction grille attached?	
Is the cool air discharged during the cooling operation and the warm air discharged during the heating operation? Have you checked to make sure the indoor unit does not make unpleasant air-discharged sounds?	
Have you explained how to operate the air conditioner while showing the operation manual to the customer?	
Have you explained the description of cooling, heating, program dry and automatic (cooling/heating) while showing the operation manual to the customer?	
If you set the fan speed at thermostat OFF, did you explain the set fan speed to the customer?	
Have you handed the operation manual and the installation manual to the customer?	
Have you checked that there is no generation of abnormal noise (i.e., noise resulting from contamination or missing parts)?	
If an optional accessory is in use, did you check the operation of the optional accessory and make field settings as needed?	
Is the remote controller icon displayed? Is the remote controller connected to the master unit if the system is in simultaneous multi operation?	
Have you explained failure examples of "3. Selecting installation site"?	

Points of the operation explanation

In addition to the general usage, since the items in the operation manual with the **⚠ WARNING** and **⚠ CAUTION** marks are likely to result in human bodily injuries and property damages, it is necessary not only to explain these items to the customer but also to have the customer read them. Furthermore, it is necessary to have the customer read through the troubleshooting items while explaining the above items.

Notes to the installer

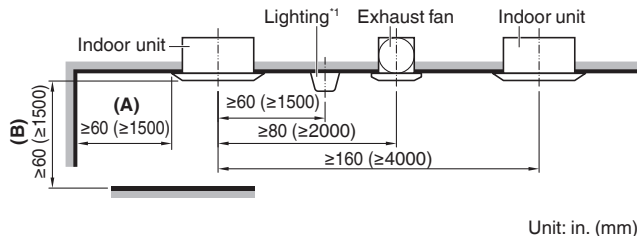
- Read this manual carefully to ensure correct installation. Be sure to instruct the customer how to properly operate the system and show him/her the enclosed operation manual.

3. Selecting installation site

When the conditions in the ceiling are exceeding 86°F (30°C) and a relative humidity of 80%, or when fresh air is inducted into the ceiling, an additional insulation is required (minimum 3/8 in. (10 mm) thickness, polyethylene foam).

For this unit you can select different airflow directions. It is necessary to purchase an optional sealing member of air discharge outlet to discharge the air in 2 or 3 directions.

Install the unit so that air vents, lightings, or machines near the unit do not interfere with the airflow.



^{**} The figure describes a surface mounted lighting, but a recessed ceiling lighting is not restricted.

- A** If the air outlet is closed, space marked (A) should be 8 in. (200 mm) at least.
- B** ≥60 in. (≥1500 mm) from any static obstruction

NOTE

- 1** If the air passage is obstructed, or if the installation space requirements are not met, performance may decrease or the thermostat may easily turn off due to reduced airflow rate and intake of discharged air.
- 2** In a roadside store or restaurant, the air flows in the order of outdoor → attic → living space because the ventilation system creates negative pressure in living space. As a result, condensation may arise since the temperature and humidity around the indoor unit become similar to the outdoor environment due to direct intake of outside air into the attic.
- (1)** Select an installation site where the following conditions are fulfilled and that meets your customer's approval.
 - Where optimum air distribution can be ensured.
 - Where nothing blocks air passage.
 - Where condensate water can be properly drained.
 - Where the false ceiling is not noticeably on an incline.
 - Where there is sufficient strength to withstand the weight of the indoor unit. If the strength is insufficient, the indoor unit may vibrate and get in contact with the ceiling and generate noise.
 - Where sufficient clearance for maintenance and service can be ensured.
 - Where there is no risk of flammable gas leaking.
 - The equipment is not intended for use in a potentially explosive atmosphere.
 - Where piping between indoor and outdoor units is possible within the allowable limit. (Refer to the installation manual of the outdoor unit.)
 - Keep indoor unit, outdoor unit, transmission wiring and remote controller wiring at least 3.5 ft. (1 m) away from televisions and radios. This is to prevent image interference and noise in those electrical appliances. (Noise may be generated depending on the conditions under which the electric wave is generated, even if 3.5 ft. (1 m) is kept.)

(2) Ceiling height

This indoor unit may be installed on ceilings up to 11-1/2 ft. (3.5 m) in height. However, it becomes necessary to make field settings using the remote controller when installing the unit at a height over 8-3/4 ft. (2.7 m).

To avoid accidental touching, it is necessary to install the unit higher than 8-1/4 ft. (2.5 m).

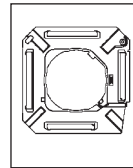
Refer to “**12. Field setting**” on page 14 and to the decoration panel installation manual.

(3) Airflow directions

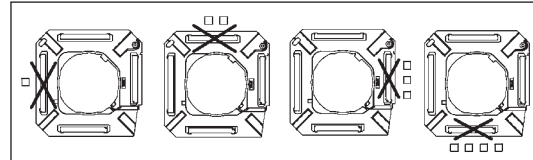
Select the airflow directions best suited to the room and point of installation. For air discharge in 2 or 3 directions, it is necessary to make the field setting by means of the remote controller and to close the air outlet(s). Refer to the installation manual of the optional sealing member of air discharge outlet and to “**12. Field setting**” on page 14.

[Direction of air discharge]

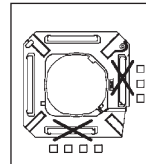
4 directions



3 directions

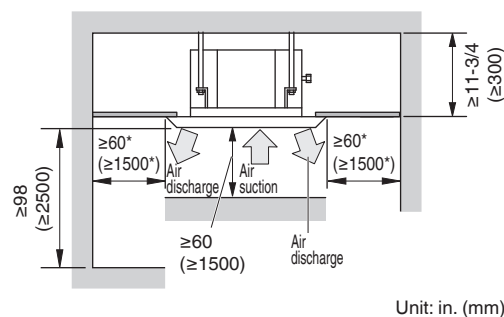


2 directions



x: Sealing member of air discharge outlet

- (4)** Use suspension bolts for installation. Check whether the ceiling is strong enough to support the weight of the indoor unit. If there is a risk, reinforce the ceiling before installing the unit. (The installation pitch is marked on the paper pattern for installation (13). Refer to it to check for points requiring reinforcing.) See figure below (: airflow direction) for space required for installation.



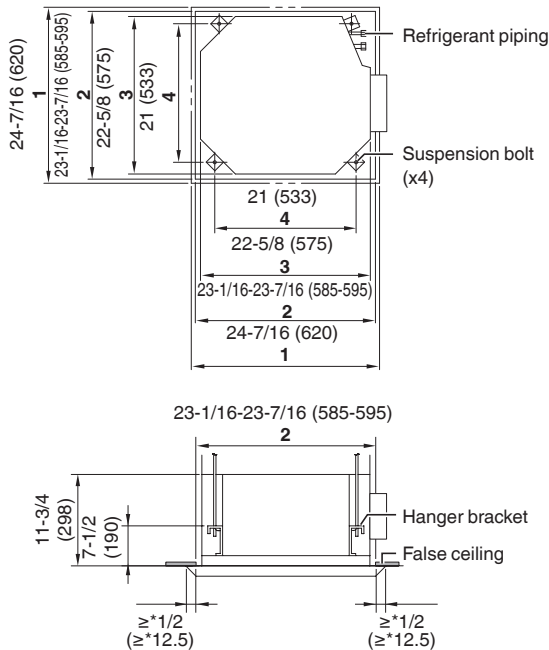
NOTE

Leave 8 in. (200 mm) or more space where marked with *, on sides where the air outlet is closed.

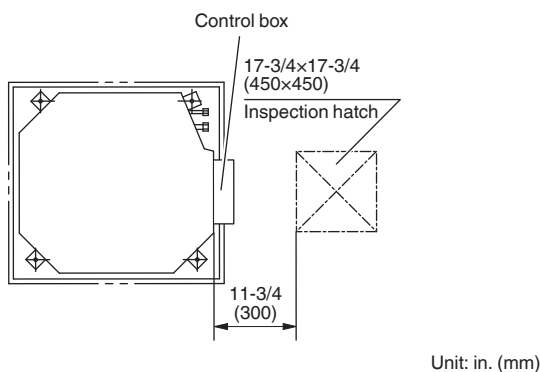
4. Preparations before installation

(1) Relation of ceiling opening to unit and suspension bolt position.

- 1 Decoration panel dimensions
- 2 Ceiling opening dimensions
- 3 Indoor unit dimensions
- 4 Suspension bolt pitch dimensions



- Install an inspection hatch on the control box side where maintenance and inspection of the control box and drain pump are easy.



(2) Make the ceiling opening needed for installation where applicable. (For existing ceilings.)

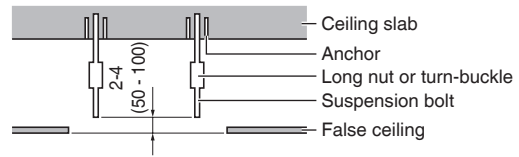
- Refer to the paper pattern for installation (13) for the ceiling opening dimensions.
- Create the ceiling opening required for installation. Implement the refrigerant and drain piping and wiring for remote controller and transmission to connecting points of the unit in advance. Refer to each piping or wiring work section.
- After making the opening in the ceiling, it may be necessary to reinforce ceiling beams to keep the ceiling level and to prevent it from vibrating. Consult the builder for details.

(3) Install the suspension bolts.

(Use either a M8-M10 size bolt or equivalent.)

Use anchors for existing ceilings, and a sunken insert, sunken anchors or other field supplied parts for new ceilings to reinforce the ceiling in order to bear the weight of the unit. Adjust clearance from the ceiling before proceeding further.

Installation example



NOTE

- All the above parts are field supplied.
- For other installation than standard installation, contact your dealer for details.

5. Indoor unit installation

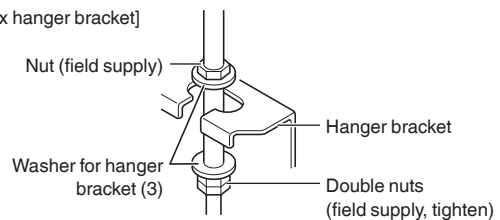
When installing optional accessories (except for the decoration panel), read also the installation manual of the optional accessories.

Depending on the field conditions, it may be easier to install optional accessories before the indoor unit is installed. However, for existing ceilings, always install the fresh air intake kit after installing the unit.

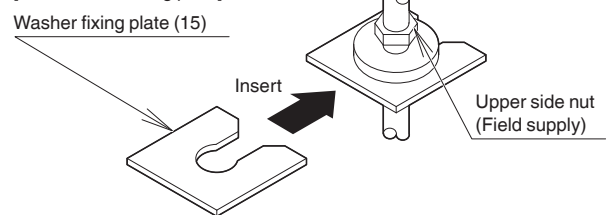
(1) Install the unit in the ceiling opening.

- Attach the hanger bracket to the suspension bolt. Be sure to fix it securely by using a nut and washer from the upper and lower sides of the hanger bracket.
- If the washer fixing plate (15) is used, the upper side washer for hanger bracket (3) may be protected from falling off.
- Secure the hanger bracket

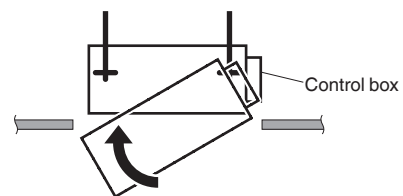
[To fix hanger bracket]



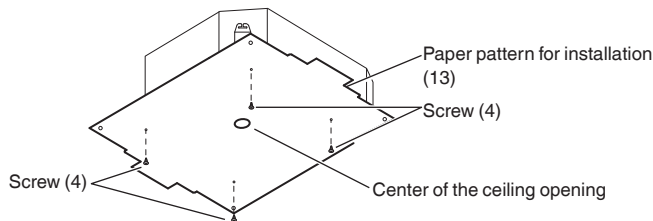
[To fix washer fixing plate]



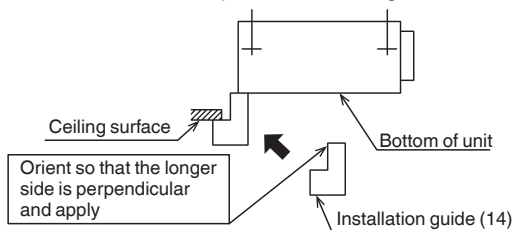
- If there is a ceiling opening, insert the control box side first when fitting the indoor unit.



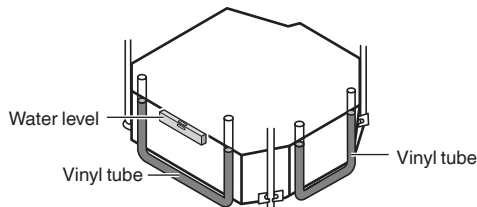
- (2) Fix the paper pattern for installation (13). (For new ceilings only.)
- The paper pattern for installation (13) corresponds with the dimensions of the ceiling opening. Consult the builder for details.
 - The center of the ceiling opening is indicated on the paper pattern for installation (13). The center of the unit is indicated on the unit casing.
 - The paper pattern can be rotated by 90° to be able to indicate the correct dimensions on all 4 sides.
 - After cutting the paper pattern for installation (13) from packing, attach the paper pattern for installation (13) to the unit with the attached screws (4) as shown in figure below.



- (3) Adjust the unit to the right position for installation.
(See “4. Preparations before installation” on page 6.)
The installation guide (14) can be used to check the distance between the bottom of the product and ceiling.



- (4) Check if the unit is horizontally levelled.
- Do not install the unit tilted. The indoor unit is equipped with a built-in drain pump and float switch. (If the unit is tilted against the direction of the condensate flow (the drain piping side is raised), the float switch may malfunction and cause water to drip.)
 - Check if the unit is levelled at all four corners with a water level or a water-filled vinyl tube as shown in figure below.



- (5) Remove the washer fixing plate (15) used for preventing the washer for hanger bracket (3) from dropping and tighten the upper side nut.
- (6) Remove the paper pattern for installation (13). (For new ceilings only.)
- (7) Tighten the upper nut to firmly secure the indoor unit.

CAUTION

- Install the indoor unit horizontally.**
If the indoor unit is inclined and the drain piping side gets high, it may cause malfunction of a float switch and results in water leakage.
- Attach nuts on the upper and lower side of hanger bracket.**
If there is no upper nut and the lower nut is over-tightened, the hanger bracket and the top plate malfunction and create unwanted noise.
- Do not insert materials other than those specified into the clearance between the hanger bracket and the washer for hanger bracket (3).**
Unless the washers are properly attached, the suspension bolts may come off from the hanger bracket.

WARNING

The indoor unit must be securely installed on a place that can withstand the weight.
If the strength is insufficient, the indoor unit may fall down and cause injuries.

6. Refrigerant piping work

- For the outdoor unit refrigerant piping, refer to the installation manual attached to the outdoor unit.
- Carry out insulation of both gas and liquid refrigerant piping securely. If not insulated, it may cause water leakage. For gas piping, use insulation material of which heat resistant temperature is not less than 250°F (120°C).
For use under high humidity, strengthen the insulation material for refrigerant piping. If not strengthened, the surface of insulation material may sweat.
- Before installation work, make sure that the refrigerant is R32 or operation will malfunction. (Unless the refrigerant is R32, the normal operation cannot be expected.)

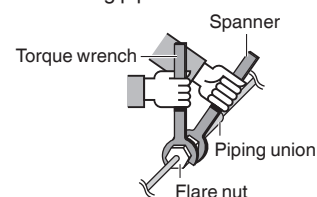
CAUTION

This air conditioner is a dedicated model for refrigerant R32. Make sure to meet the requirements shown below and carry out installation work.

- Use dedicated piping cutters and flaring tools for R32.**
- When making a flare connection, coat only the flared inner surface with ether oil or ester oil.**
- Use only the flare nuts attached to the indoor unit. If other flare nuts are used, it may cause refrigerant leakage.**
- To prevent contamination or moisture from getting into the piping, take measures such as pinching or taping the piping.**

Do not mix substance other than the specified refrigerant such as air into the refrigeration circuit.
If the refrigerant leaks during the work, ventilate the room.
Maintain good ventilation while carrying out work and ensure that there are no open flames in the vicinity.

- The refrigerant is pre-charged in the outdoor unit.
- Using a tool other than a spanner may destroy the flare nut thread, resulting in refrigerant leakage due to poor tightening.
- Use the flare nuts attached to the piping of indoor unit.
- Be sure to use both a spanner and torque wrench together when connecting or disconnecting pipes to/from the unit.



- Only use annealed material for flare connections.
- Refer to Table 1 for the dimensions of flare nut spaces and the appropriate tightening torque. (Overtightening may damage the flare and cause leaks.)

Table 1

Piping size [in. (mm)]	Tightening torque [lbf-ft. (N-m)]	Flare dimensions A [in. (mm)]	Flare [in. (mm)]
φ1/4" (6.4)	10.4-12.7 (15.7±1.5)	0.342-0.358 (8.9±0.2)	R0.016-0.031 (0.4-0.8)
φ1/2" (12.7)	36.5-44.5 (54.9±5.4)	0.638-0.654 (16.4±0.2)	

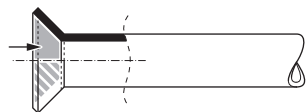
- When connecting the flare nut, coat the flare inner surface with ether oil or ester oil and initially tighten 3 or 4 turns by hand before tightening firmly.

⚠ CAUTION

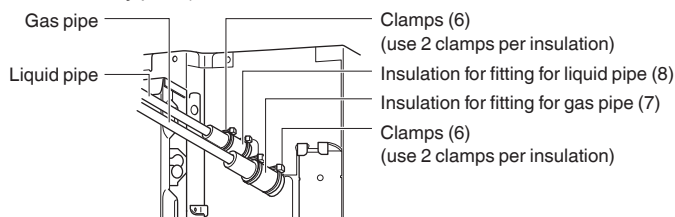
- Do not let oil adhere to the screw fixing part of resin parts. If oil adheres, it may weaken the strength of screwed part.
- Do not tighten flare nuts too much. If a flare nut cracks, the refrigerant may leak.
- If there is no torque wrench, use Table 2 as a rule of thumb. When tightening the flare nut with a spanner harder and harder, there is a point where the tightening torque suddenly increases. From that position, tighten the nut additionally the angle shown in Table 2. After the work is finished, check securely that there is no gas leak. If the nut is not tightened as instructed, it may cause slow refrigerant leak and result in malfunction (such as does not cool or heat).

Table 2

Piping size [in. (mm)]	Tightening angle	Recommended arm length of tool used [in. (mm)]
φ 1/4 (6.4)	60° – 90°	Approx. 6 (150)
φ 1/2 (12.7)	30° – 60°	Approx. 10 (250)

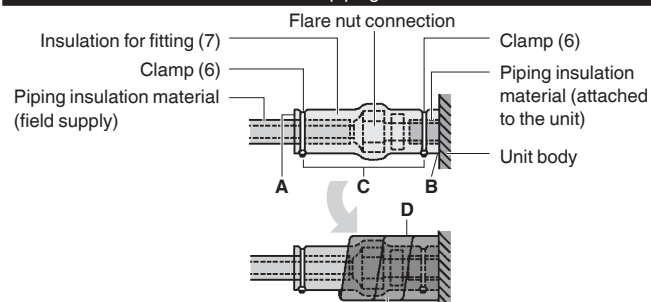


- Make sure there is no refrigerant gas leak. A toxic gas may be released by the refrigerant gas leaking indoor and being exposed to flames from an area heater, cooking stove, etc.
- Finally, insulate as shown in the figure below (use the supplied accessory parts).



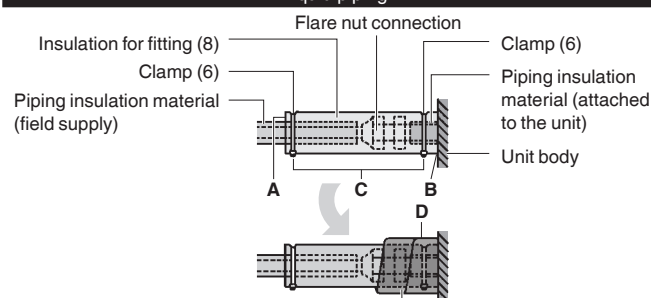
Piping insulation procedure

Gas piping



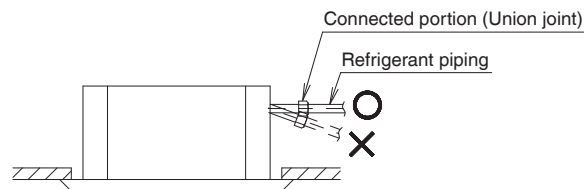
Medium 1 sealing pad for gas piping (10)

Liquid piping



Medium 2 sealing pad for liquid piping (11)

- Turn the seam up
- No gap
- Tighten the part overlapped with the piping insulation material
- Wrap from the unit body to the top of the flare nut connection

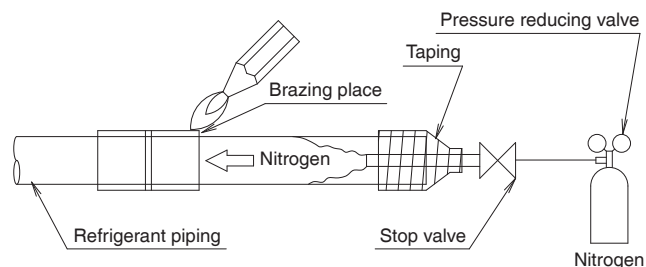


⚠ CAUTION

- For field insulation, be sure to insulate field piping all the way into the pipe connections inside the unit. Exposed piping may cause condensation or may cause burns when touched.
- Make sure that no oil remains on plastic parts of the decoration panel (optional accessory). Oil may cause degradation and damage to plastic parts.

Cautions for brazing

- Before brazing refrigerant piping, have nitrogen flow through the refrigerant piping and substitute air with nitrogen (NOTE 1). Then, carry out brazing (NOTE 2). After all the brazing works are finished, carry out flare connection with the indoor unit.



⚠ CAUTION

- Nitrogen, not R32 refrigerant gas, must be used for gas displacement in the piping before brazing work. (Non-compliance may result in fire.)
- Do not use antioxidant when brazing piping. It may result in malfunction of components and clogging of piping due to residue.
- When using a brazing torch, check that there are no refrigerant leaks using a refrigerant leak detector.
- In the event of a refrigerant leakage during brazing work, immediately turn off the torch and any other sources of fire.

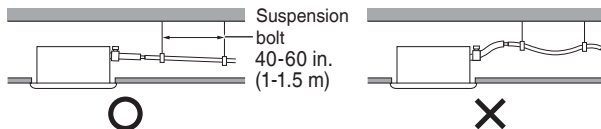
NOTE

- 1 The proper pressure for having nitrogen flow through the piping is approximately 2.9 psi (0.02 MPa), a pressure that makes one feel like breeze and can be obtained through a pressure reducing valve.
- 2 Do not use flux when brazing refrigerant piping.
Use phosphor copper brazing filler metal (BCuP-2: B-Cu93P-710/795: ISO 3677) that does not require flux.
(If chlorinated flux is used, the piping will be corroded and, in addition if fluorine is contained, the refrigerant oil will be deteriorated and the refrigerant circuit will be affected badly.)
- 3 When carrying out leak test of refrigerant piping and the indoor unit after the installation of indoor unit is finished, confirm the connecting outdoor unit installation manual for test pressure.
Refer to the outdoor unit installation manual or technical document for refrigerant piping.
- 4 In case of refrigerant shortage due to forgetting additional refrigerant charge etc., it will result in malfunctions such as not cooling or heating.
Refer to the outdoor unit installation manual or technical document for refrigerant piping.

7. Drain piping work

(1) Installation of drain piping

Install the drain piping as shown in the figure and take measures against condensation. Improperly rigged piping could lead to leaks and eventually wet furniture and belongings.



Install the drain pipes.

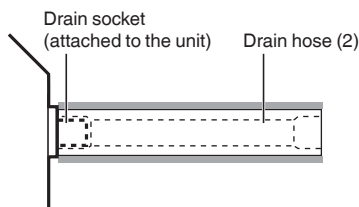
- Keep piping as short as possible and slope it downwards at a gradient of at least 1/100 so that air may not remain trapped inside the pipe.
- Keep pipe size equal to or greater than that of the connecting pipe (vinyl pipe of 13/16 in. (20 mm) nominal diameter and 1 in. (25 mm) outer diameter, without vertical rise pipe).

CAUTION

If drainage stagnates in the drain piping, the piping may get clogged.

(Components contained in silver-based antibacterial agents may precipitate out and adhere to the drain piping.)

- If sufficient downward inclination cannot be ensured, carry out upward drain piping.
- Install supports at a distance of 40–60 in. (1–1.5 m) so that the piping may not deflect.
- Make sure to use the attached drain hose (2) and the metal clamp (1).
Push the supplied drain hose (2) as far as possible over the drain socket.

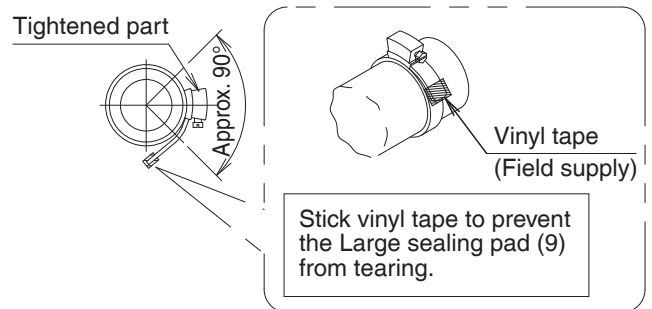


- Tighten the metal clamp (1) as indicated in the illustration.
The tightening torque is 1 ± 0.11 lbf·ft. (1.35 ± 0.15 N·m).

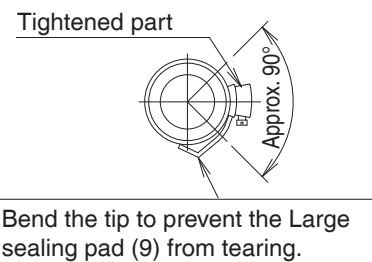
CAUTION

- Do not tighten the metal clamp (1) with the torque more than the specified value.
The drain hose (2), the socket or the metal clamp (1) may be damaged.
- Do not connect the drain piping directly to sewage that gives off ammonia odor.
The ammonia in the sewage may go through the drain piping and corrode the heat exchanger of the indoor unit.
- When installing the new indoor unit, use the attached drain hose (2) and the metal clamp (1).
If the old drain hose or metal clamp is used, it may cause water leakage.
- Wrap vinyl tape around the end of the metal clamp (1) so that the Large sealing pad (9) to be used at the next process may not be damaged with the clamp end or bend the tip of the metal clamp (1) inward as shown. (Refer to Fig. below)

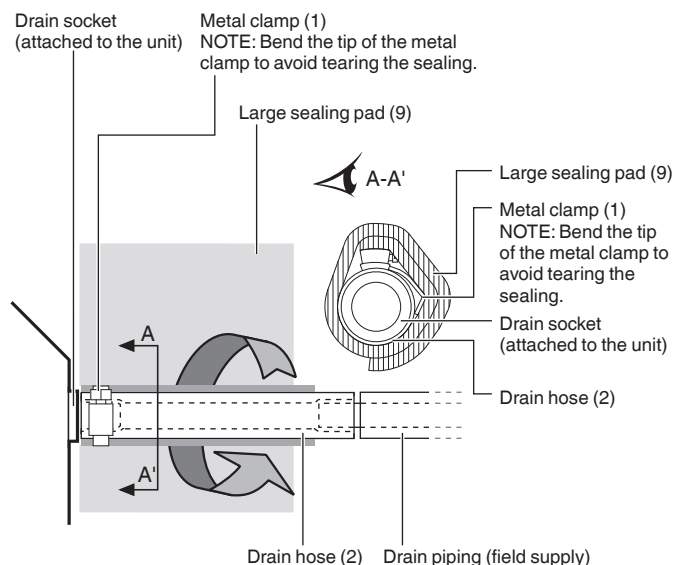
<In case of sticking vinyl tape>



<In case of bending the tip>



- After the testing of drain piping is finished, attach the Large sealing pad (9) supplied with the unit over the uncovered part of the drain socket (= between drain hose (2) and unit body).



- Wrap the supplied large sealing pad (9) over the metal clamp (1) and drain hose (2) to insulate and fix it with clamps.
- Insulate the complete drain piping inside the building (field supply).

- If the drain hose cannot be sufficiently set on a slope, fit the hose with drain raising piping (field supply).

< Caution to be taken when carrying out upward drain piping (Refer to Figure 1) >

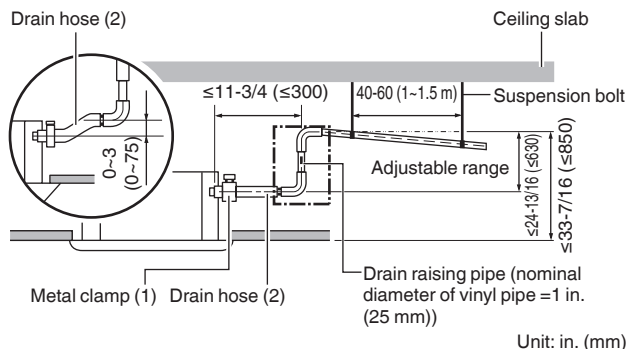


Figure 1

- Connect the drain hose (2) to the drain raising pipe, and insulate them.
- Connect the drain hose (2) to the drain socket of the unit, and tighten it with the clamp.

Precautions

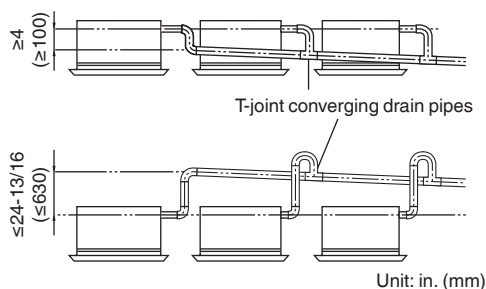
- Install the drain raising pipe at a height of less than 24-13/16 in. (630 mm).
- Install the drain raising pipe at a right angle to the unit and no more than 11-3/4 in. (300 mm) from the unit.
- To prevent air bubbles, install the drain hose (2) level or slightly tilted up (≤ 3 in. (≤ 75 mm)).
- Drain pump mounted in the unit is high lift type. Characteristic of this pump is that the higher lifting height, the lower drainage sound. Therefore drain lifting height of 11-3/4 in. (300 mm) or more is recommended.

NOTE

The incline of attached drain hose (2) should be 3 in. (75 mm) or less so that the drain socket does not have to withstand additional force.

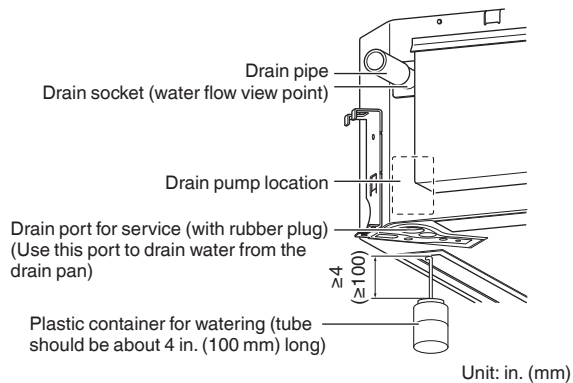
To ensure a downward slope of 1:100, install suspension bolts every 40 to 60 in. (1.0 to 1.5 m).

When unifying multiple drain pipes, install the pipes as shown in figure below. Select converging drain pipes whose gauge is suitable for the operating capacity of the units.



(2) Testing of drain piping

- After the piping work is finished, check if drainage flows smoothly.
- Add approximately 0.25 gal (1 ℓ) of water gradually through the air discharge outlet.



CAUTION

- Do not apply external force to the float switch or it could cause malfunction.

- Check the drainage flow.
- In case electric wiring work is finished
Check drainage flow during cooling operation, explained in "13. Test operation" on page 16.
- In case electric wiring work is not finished
 - Remove the control box cover by means of two screws. Connect the single-phase power supply (208/230V 60Hz) to terminals L1 and L2 on the terminal block for power supply and connect the ground wire firmly (See figure 2).
 - Reattach the control box cover and turn on the power.
 - Do not touch the drain pump. It may result in electric shock.

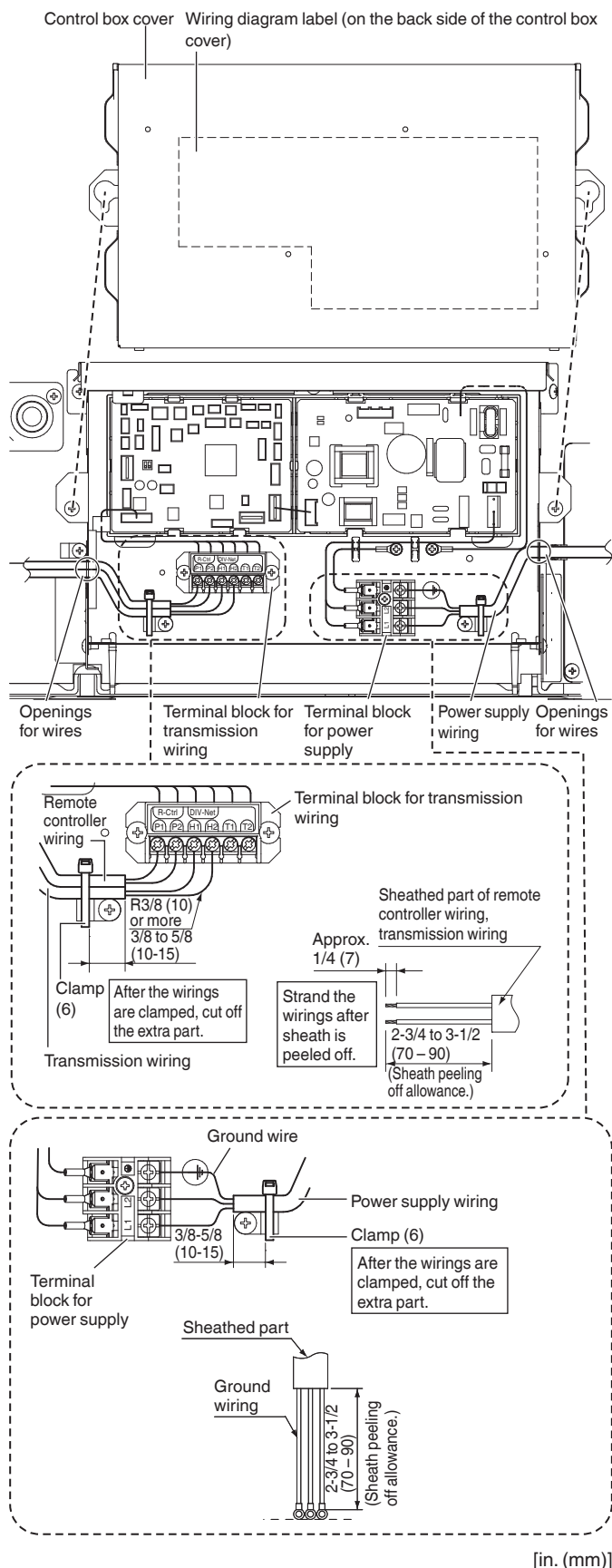


Figure 2

- Confirm the drain operation looking at the drain socket.
- After checking the drainage flow, turn off power, remove the control box cover and disconnect the power supply wiring from the terminal block for power supply again. Attach the control box cover as before.
- Do not touch the electronic parts other than the terminal block (X2M).

8. Electric wiring work

General instructions

- Make sure that all electric wiring work is carried out by qualified personnel according to the applicable legislation and this installation manual, using a separate dedicated circuit. Insufficient capacity of the power supply circuit or improper electrical construction may lead to electric shock or a fire.
- Means for full disconnection under overvoltage category III conditions must be incorporated in the fixed wiring according to national wiring rules.
- Do not turn on the power supply (branch switch, branch overcurrent circuit breaker) until all the works are finished.
- Multiple number of indoor units are connected to one outdoor unit. Name each indoor unit as A-unit, B-unit and the like. When these indoor units are wired to the outdoor unit, the Branch selector unit or the SSOV (Safety Shut Off Valve) unit, always wiring the indoor unit to the terminal indicated with the same symbol on the terminal block. If the wiring and the piping are connected to the different indoor units and operated, it will result in malfunction.
- Make sure to ground the air conditioner. Grounding resistance should be according to applicable legislation.
- Do not connect the ground wiring to gas or water piping, lightning conductor or telephone ground wiring.
 - Gas piping...Ignition or explosion may occur if gas leaks.
 - Water piping...Hard vinyl tubes are not effective ground.
 - Lightning conductor or telephone ground wiring...Electric potential may rise abnormally if struck by a lightning bolt.
- For electric wiring work, refer to also the WIRING DIAGRAM attached to the control box cover.
- Carry out wiring between the outdoor units, indoor units and the remote controllers according to the wiring diagram.
- Carry out installation and wiring of the remote controller according to the installation manual attached to the remote controller.
- Do not touch the printed circuit board assemblies. It may cause malfunction.

Electrical characteristics

Model	Units			Power supply		Fan motor	
	Hz	Volts	Voltage range	MCA	MOP	HP	IDI
FXZA05AAVJU	60	208/230V	Max.253V Min.187V	0.3	15	0.07 (50)	0.2
FXZA07AAVJU				0.3	15	0.07 (50)	0.2
FXZA09AAVJU				0.3	15	0.07 (50)	0.2
FXZA12AAVJU				0.4	15	0.07 (50)	0.3
FXZA15AAVJU				0.4	15	0.07 (50)	0.3
FXZA18AAVJU				0.6	15	0.07 (50)	0.5

MCA: Minimum Circuit Ampacity (A)

MOP: Maximum Overcurrent Protective Device (A)

HP: Fan Motor Rated Output (HP (W))

IDI: Inverter Drive Input (A)

NOTE

For details, refer to "Electric characteristics" in Engineering Data Book.

Specifications for field supplied fuses and wiring

Power supply wiring		Remote controller wiring Transmission wiring	
MOP 	Size	Wiring	Size
15A	Wiring size and length must comply with local codes.	2-conductor, stranded non-shielded copper cable PVC/vinyl jacket (NOTE 2)	AWG 18-16 (0.75-1.25 mm ²)

The lengths of remote controller wiring and transmission wiring are as follows:

- (1) Remote controller wiring (indoor unit - remote controller) Max. 1,640 ft. (500 m)
- (2) Transmission wiring
 - Total length Max. 6,560 ft. (2,000 m)
 - Length between units Max. 656 ft. (200 m)
 - Farthest length^{*1} (10 systems^{*2} or less) Max. 3,280 ft. (1,000 m)
 - Farthest length^{*1} (more than 10 systems^{*2}) Max. 2,296 ft. (700 m)

^{*1} Length from outdoor unit to farthest unit

^{*2} System : A set of units connected in the same refrigerant circuit

NOTE

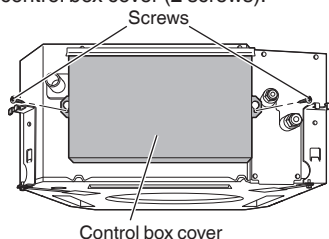
- 1 For details, refer to “10. Wiring example” on page 13.
- 2 Vinyl cord with sheath or cable.
(Insulated thickness : 1/16 in. (1 mm) or more.)

9. Wiring example and how to set the remote controller

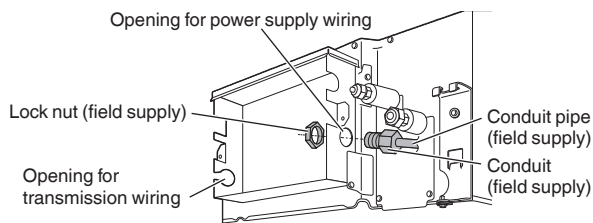
Connection of power supply, transmission and remote controller wiring

How to connect wiring (See Figure 2)

- (1) Remove the control box cover (2 screws).



- (2) Insert the power supply and ground wires into the conduit pipe, and secure the conduit to the hole in the control box using the lock nut, as shown below.

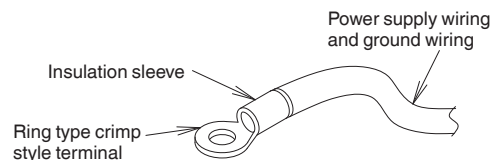


- (3) Connect the power supply and ground wires to the terminal block for power supply.
- (4) In doing this, pull the wires inside through the conduit pipe and fix them securely with the supplied clamp (6).
- (5) Give enough slack to the wires between the clamp and terminal block for power supply.

- (6) Pull the transmission and remote controller wires inside through the opening for transmission wiring and connect them to the terminal block for transmission wiring (no polarity). Securely fix the wires with the supplied clamp (6).
- (7) Give enough slack to the wires between the clamp and the terminal block for transmission wiring.
- (8) Attach the control box cover as before.
- (9) After all the wiring connections are done, fill in any gaps in the wiring openings with putty or small sealing pad (12) thus to prevent small animals or dirt from entering the unit from outside and causing short circuit in the control box.

⚠ CAUTION FOR POWER SUPPLY WIRING AND GROUND WIRING

- For connection to the terminal block, use ring type crimp style terminals with insulation sleeve or insulate the wirings properly.



- Use the required wires, connect and fix securely so that external force may not apply to the terminals.
- Use a proper screw driver for tightening the terminal screws. If an improper screw driver is used, it may damage the screw head and a proper tightening cannot be carried out.
- If a terminal is over tightened, it may be damaged. Refer to Table 3 for tightening torque of terminals.

Table 3

	Tightening torque [lbf.ft. (N·m)]
Terminal block for remote controller and transmission wiring	0.65 ± 0.06 (0.88 ± 0.08)
Terminal for power supply wiring	1.08 ± 0.10 (1.47 ± 0.14)
Ground terminal	

- Do not carry out soldering finish when stranded wirings are used.

⚠ WARNING

- When wiring, form the wiring orderly to prevent it from being sandwiched by the control box cover and fasten the cover securely. Improper position of the control box cover may result in electric shock or fire.

⚠ CAUTION

- Never connect the power supply wiring to the terminal block for remote controller/transmission wiring (X1M). If may damage the total system.
- Do not connect the remote controller/transmission wiring to the wrong terminal block.

Precautions

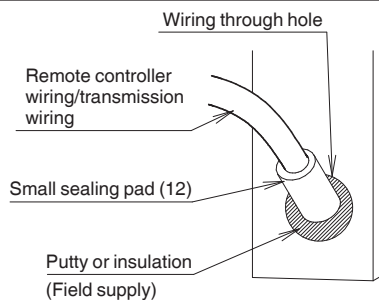
- Remote controller wiring and transmission wiring should be located at least 1-15/16 in. (50 mm) away from power supply wiring. Not following this guideline may result in malfunction due to electrical noise.
- For the remote controller wiring, refer to the installation manual supplied with the remote controller.

NOTE

The customer has the ability to select the remote controller thermistor.

CAUTION

- Be sure to attach the sealing material and putty (field supplied) to hole of wiring to prevent the infiltration of water as well as any insects and other small creatures from outside. Otherwise a short-circuit may occur inside the control box.
- When clamping the wiring, be sure no pressure is applied to the wire connections by using the included clamps (6) to make appropriate clamps.



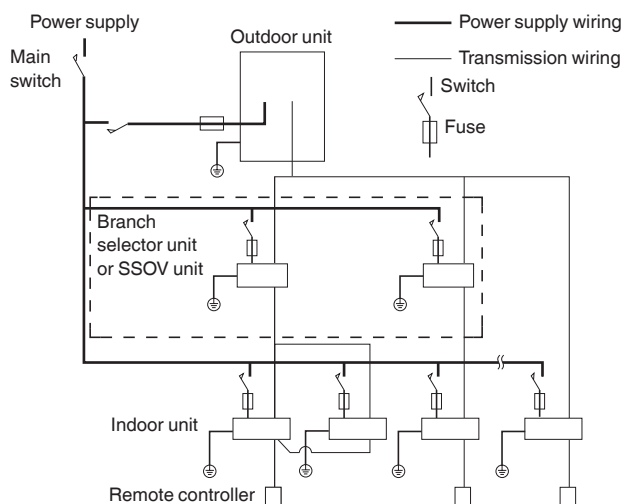
<<Mending method of wiring through hole>>

- After wiring connection is finished, to prevent the penetration of water, small animals and insects into the indoor unit from the outside, mend the wiring through hole for the remote controller wiring/transmission wiring.
- Cut the Small sealing pad (12) into two pieces and wrap each wiring with each piece.
- Seal the clearance around the wiring with putty and insulating material (field supply). If insects and small animals get into the indoor unit, short circuiting may occur inside the control box.

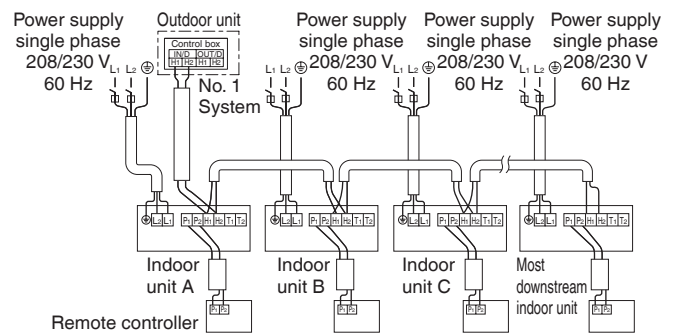
10. Wiring example

- The power supply wiring should be installed to meet local and national code.

COMPLETE SYSTEM EXAMPLE (3 systems)



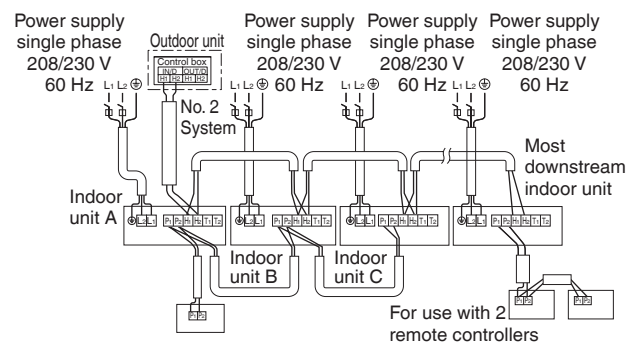
1 When using 1 remote controller for 1 indoor unit. (Normal operation)



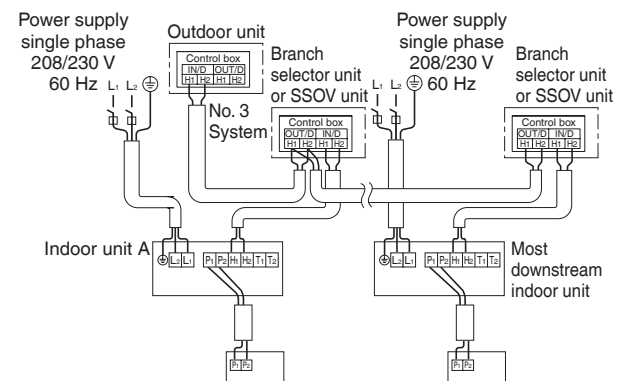
2 For group control or use with 2 remote controllers

NOTE

It is not necessary to designate indoor unit address when using group control. The address is automatically set when power is activated.



3 When Branch Selector unit or Safety shut off valve unit is used



NOTE

It is not necessary to designate indoor unit address when using group control. The address is automatically set when the power is activated.

Precautions

- A single switch can be used to supply power to units on the same system. However, branch switches and branch circuit breakers must be selected carefully.
- For a group control remote controller, choose the remote controller that suits the indoor unit which has the most functions.
- Do not ground the equipment on gas pipes, water pipes or lightning rods, or crossground with telephones. Improper grounding could result in electric shock.

11. Installation of the decoration panel

<<If test operation is required before mounting the decoration panel, 12. Field setting and 13. Test operation can be carried out before 11. Installation of the decoration panel.>>

If carrying out test operation before attaching the decoration panel, be sure to take measures against short circuit first (separate air outlet and air inlet by placing cardboard and the like in between) to avoid any risk of condensation in the indoor unit, and finish the test promptly (approx. 1 hour).

Refer to the installation manual attached to the decoration panel.

- After the decoration panel is mounted, check if no clearance exists between the panel and the unit.
- If test operation is carried out before mounting the decoration panel, check the horizontal blade action after the panel is mounted.

12. Field setting

<<Refer to also the installation manual attached to the outdoor unit.>>

CAUTION

Before carrying out field setting, check the items mentioned in Clause 1: **(1) Items to be checked after the installation work is completed** on page 4. Check if all the installation and piping works for the air conditioner are completed.

- Check if the control box cover of the air conditioner is closed.

Field setting must be made from the remote controller in accordance with the installation condition.

- Setting can be made by changing the "Mode No.", "First code No." and "Second code No."
- For setting and operation, refer to the **"12. Field setting"** in the installation manual of the remote controller.

Summary of field settings

Mode No. (Note 1)	First code No.	Description of setting		Second code No. (Note 2)			
				01	02	03	04
10 (20)	0	Filter contamination - Heavy/Light = Setting to filter sign interval	Long Life Filter	Light ±2,500 hrs.	Heavy ±1,250 hrs.	—	—
	2	Thermostat sensor selection		Use both unit sensor (or remote sensor if installed) AND remote controller sensor. (See Note 4 and 5)	Use unit sensor only (or remote sensor if installed). (See Note 4 and 5)	Use remote controller sensor only. (See Note 4 and 5)	—
	3	Filter sign displayed or not displayed		Display	Do not display	—	—
	5	Information to I-manager, I-touch controller		Only unit sensor value (or remote sensor value if installed).	Sensor value as set by 10-2-0X or 10-6-0X.	—	—
	6	Thermostat sensor in group control		Use unit sensor only (or remote sensor if installed). (See Note 5)	Use both unit sensor (or remote sensor if installed) AND remote controller sensor. (See Note 3, 4 and 5)	—	—
	12 (21)	Dry mode set temperature		Room temperature	Same as cooling mode set temperature	—	—
12 (22)	0	Output signal X1-X2 of the optional KRP1B PCB kit		Thermostat-on + compressor run	—	Operation	Malfunction
	1	ON/OFF input from outside (T1/T2 input) = Setting when forced ON/OFF is to be operated from outside.		Forced OFF	ON/OFF operation	—	—
	2	Thermostat differential changeover = Setting when remote sensor is used.		1.8°F (1°C)	0.9°F (0.5°C)	—	—
	3	Fan setting during thermostat OFF at heating operation		LL tap	Set fan speed	—	—
	4	Differential automatic changeover		0°F (0°C)	1.8°F (1°C)	3.6°F (2°C)	5.4°F (3°C) (See Note 6)
	5	Auto-restart after power failure		Disabled	Enabled	OFF	—
	6	Fan setting during thermostat OFF at cooling operation		LL tap	Set fan speed	—	—

13 (23)	0	Setting for air outlet velocity This setting is to be changed in function of ceiling height.	≤8-3/4 ft. (2.7 m or less)	8-3/4 to 10 ft. (2.7-3.0 m)	10 to 11-1/2 ft. (3.0-3.5 m)	—
	1	Selection for airflow direction This setting is to be changed when sealing member of air discharge outlet is used.	4-way flow	3-way flow	2-way flow	—
	4	Airflow direction range setting This setting is to be changed when range of horizontal blade movement needs to be changed.	Upper	Medium	Lower	—

Note 1: Setting is carried out in the group mode, however, if the mode number inside parentheses is selected, indoor units can also be set individually.

Note 2: Factory settings of the Second code No. are marked in grey background.

Note 3: If group control is selected and remote controller sensor is to be used, then set 10-6-02 & 10-2-03.

Note 4: If setting 10-6-02 + 10-2-01 or 10-2-02 or 10-2-03 are set at the same time, then setting 10-2-01, 10-2-02 or 10-2-03 have priority.

Note 5: If setting 10-6-01 + 10-2-01 or 10-2-02 or 10-2-03 are set at the same time, then setting for group connection, 10-6-01 has priority and for individual connection, 10-2-01, 10-2-02 or 10-2-03 have priority.

Note 6: More settings for Differential automatic changeover temperature are:

Second code No.	05	7.2°F (4°C)
	06	9.0°F (5°C)
	07	10.8°F (6°C)
	08	12.6°F (7°C)

For Control with 2 Remote Controllers (To control 1 indoor unit with 2 remote controllers)

- For control with 2 remote controllers, set one remote controller as Main and the other remote controller as Sub.

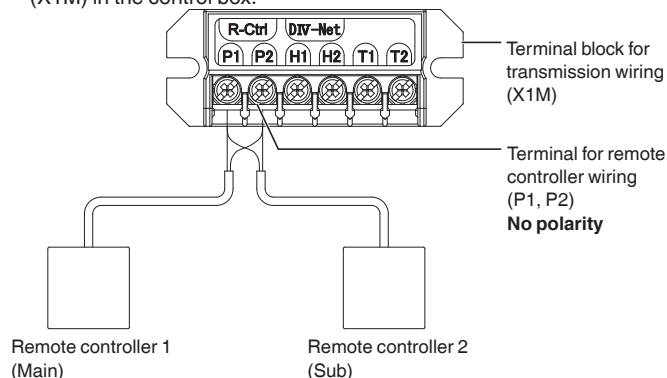
Changeover method from Main to Sub and vice versa

Refer to the installation manual attached to the remote controller.

Wiring method

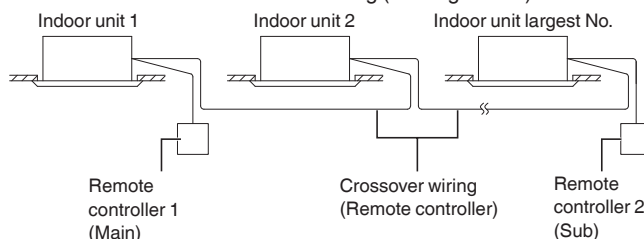
1 Remove the control box cover.

2 Carry out additional wiring from the remote controller 2 (Sub) to the terminals (P1, P2) for remote controller wiring on the terminal block (X1M) in the control box.



Caution

- When using the group control and the 2 remote controllers control at the same time, connect the remote controller 2 (Sub) to the indoor unit at the end of the crossover wiring (the largest No.).



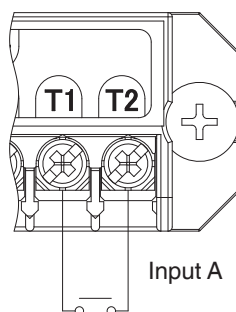
For centralized control

- When centralized equipment (such as centralized controller) is used for control, it is required to set the group No. or label on the remote controller.
For details, refer to the manuals attached to the centralized equipment.

For remote control (force off or on / off operation)

1 Wiring method and specification

- Remote control is available by connecting the external input to the terminal T1 and T2 on the terminal block for transmission wiring (X1M).



Wiring specification	Sheathed vinyl cord or 2 core cable
Gauge	AWG18-16 (0.75 – 1.25 mm ²)
Wiring length	Max. 328 ft. (100 m)
External contact spec	Contact that can make and break the min. load of 15 V DC , 1 mA

2 Actuation

- Input A of FORCED OFF and ON/OFF OPERATION will be as the table shown below.

	Input A = ON	Input A = OFF
In case of FORCED OFF	FORCED OFF (Remote controller prohibited)	Remote controller permitted
In case of ON/OFF OPERATION	Operation	Stop

3 How to choose FORCED OFF or ON/OFF OPERATION

- For choosing FORCED OFF or ON/OFF OPERATION, setting by remote controller is required.
 - Enter into the field setting mode with the remote controller.
 - Select Mode No. 12.
 - Set the First code No. to 1.
 - For FORCED OFF, set the Second code No. to 01.
 - For ON/OFF OPERATION, set the Second code No. to 02.
(It is set to FORCED OFF when shipped from the factory.)

13. Test operation

- After cleaning the indoor unit inside, carry out test operation according to installation manual attached to the outdoor unit.
- If no malfunction codes are displayed on the remote controller when test operation completes, the system is ready to engage safety measures if the built-in refrigerant sensor detects refrigerant.

- When the remote controller operation lamp flashes, it shows that something is abnormal.

Check the malfunction codes on the remote controller.

The relation between the malfunction codes and malfunction details is described in the operation manual attached to the outdoor unit.

Particularly, if the indication is one of those shown in the Table 4, it may be an error in the electrical wiring or the power supply is disconnected. Therefore, recheck wiring.

Table 4

Remote controller indication	Details
Though the centralized control is not carried out, the indicating the central control turns on.	• The terminals (T1 · T2) for FORCED OFF on the indoor unit transmission terminal block is short circuited.
[U4] displays. [UH] displays.	• The power supply to the outdoor unit is not made. • The power supply work to the outdoor unit is not carried out. • The transmission wiring and the remote controller wiring and FORCED OFF wiring are connected incorrectly. • The transmission wiring is disconnected.
No indication	• The power supply to the indoor unit is not made. • The power supply work to the indoor unit is not carried out. • The remote controller wiring and the transmission wiring and FORCED OFF wiring are connected incorrectly. • The remote controller wiring is disconnected.

- At test operation, install the decoration panel and check the actuation of the horizontal blade.

NOTE

When performing the test operation, always attach the decoration panel. Otherwise, this may cause condensation.

CAUTION

After test operation is completed, check the items mentioned in Clause 2: **(2) Items to be checked at time of delivery** on page 4.

If the interior finish work is not completed when the test operation is finished, for protection of the air conditioner, ask the customer not to operate the air conditioner until the interior finish work is completed. If the air conditioner is operated, the inside of the indoor units may be polluted by substances generated from the coating and adhesives used for the interior finish work and cause water splash and leakage.

To the operator carrying out test operation

After test operation is completed, before delivering the air conditioner to the customer, confirm that the control box cover, the air filter and suction grille are attached.

In addition, explain the power supply status (power supply ON/OFF) to the customer.

DAIKIN COMFORT TECHNOLOGIES MANUFACTURING, L.P.

Daikin Texas Technology Park,
19001 Kermier Road,
Waller, TX, 77484, U.S.A.



2D barcode for
manufacturing,
not for customers

