

# Air conditioner

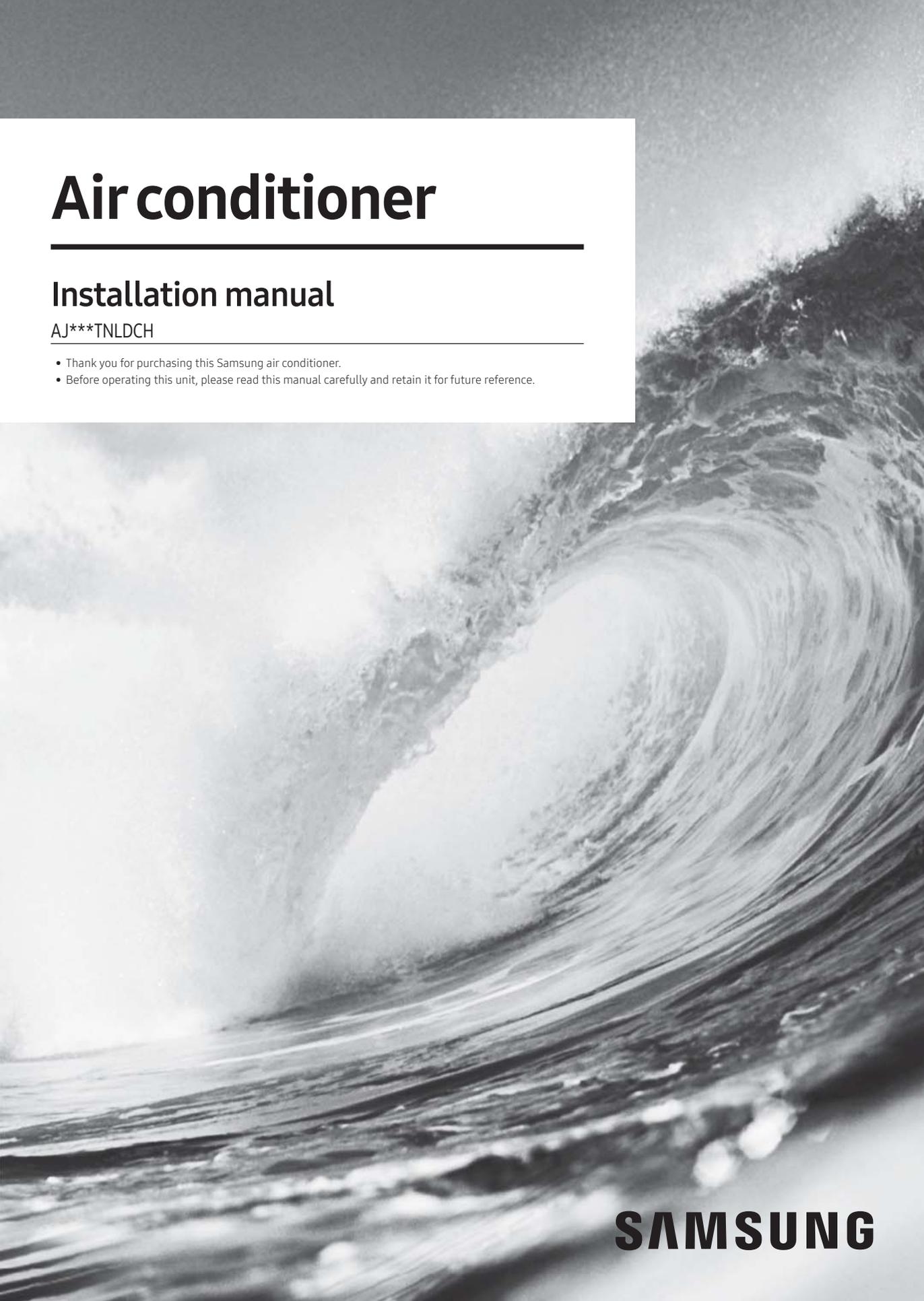
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## Installation manual

AJ\*\*\*TNLDCH

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- Thank you for purchasing this Samsung air conditioner.
- Before operating this unit, please read this manual carefully and retain it for future reference.



**SAMSUNG**

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# Safety Information

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## WARNING

- Hazards or unsafe practices that may result in severe personal injury or death.

## CAUTION

- Hazards or unsafe practices that may result in minor personal injury or property damage.
- Carefully follow the precautions listed below because they are essential to guarantee the safety of the equipment.

## WARNING

- Always disconnect the air conditioner from the power supply before servicing it or accessing its internal components.
- Verify that installation and testing operations are performed by qualified personnel.
- Verify that the air conditioner is not installed in an easily accessible area.

## General information

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## WARNING

- Carefully read the content of this manual before installing the air conditioner and store the manual in a safe place in order to be able to use it as reference after installation.
- For maximum safety, installers should always carefully read the following warnings.
- Store the operation and installation manual in a safe location and remember to hand it over to the new owner if the air conditioner is sold or transferred.
- This manual explains how to install an indoor unit with a split system with two SAMSUNG units. The use of other types of units with different control systems may damage the units and invalidate the warranty. The manufacturer shall not be responsible for damages arising from the use of non compliant units.
- The manufacturer shall not be responsible for damage originating from unauthorized changes or the improper connection of electric and requirements set forth in the "Operating limits" table, included in the manual, shall immediately invalidate the warranty.

- The air conditioner should be used only for the applications for which it has been designed: the indoor unit is not suitable to be installed in areas used for laundry.
- Do not use the units if damaged. If problems occur, switch the unit off and disconnect it from the power supply.
- In order to prevent electric shocks, fires or injuries, always stop the unit, disable the protection switch and contact SAMSUNG's technical support if the unit produces smoke, if the power cable is hot or damaged or if the unit is very noisy.
- Always remember to inspect the unit, electric connections, refrigerant tubes and protections regularly. These operations should be performed by qualified personnel only.
- The unit contains moving parts, which should always be kept out of the reach of children.
- Do not attempt to repair, move, alter or reinstall the unit. If performed by unauthorized personnel, these operations may cause electric shocks or fires.
- Do not place containers with liquids or other objects on the unit.
- All the materials used for the manufacture and packaging of the air conditioner are recyclable.
- The packing material and exhaust batteries of the remote controller(optional) must be disposed of in accordance with current laws.
- The air conditioner contains a refrigerant that has to be disposed of as special waste. At the end of its life cycle, the air conditioner must be disposed of in authorised centres or returned to the retailer so that it can be disposed of correctly and safely.
- Wear protective equipment (such as safety gloves, goggles, and headgear) during installation and maintenance works. Installation/repair technicians may be injured if protective equipment is not properly equipped.

## Installing the unit

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## WARNING

**IMPORTANT: When installing the unit, always remember to connect first the refrigerant tubes, then the electrical lines.**

- Always disassemble the electric lines before the refrigerant tubes.

# Safety Information

- Upon receipt, inspect the product to verify that it has not been damaged during transport. If the product appears damaged, DO NOT INSTALL it and immediately report the damage to the carrier or retailer (if the installer or the authorized technician has collected the material from the retailer.)
- After completing the installation, always carry out a functional test and provide the instructions on how to operate the air conditioner to the user.
- Do not use the air conditioner in environments with hazardous substances or close to equipment that release free flames to avoid the occurrence of fires, explosions or injuries.
- Our units should be installed in compliance with the spaces shown in the installation manual, to ensure accessibility from both sides and allow repairs or maintenance operations to be carried out. The unit's components should be accessible and easy to disassemble without endangering people and objects. For this reason, when provisions of the installation manual are not complied with, the cost required to access and repair the units (in SAFETY CONDITIONS, as set out in prevailing regulations) with harnesses, ladders, scaffolding or any other elevation system will NOT be considered part of the warranty and will be charged to the end customer.
- Always verify that electric connections (cable entry, section of leads, protections...) are compliant with the electric specifications and with the instructions provided in the wiring scheme. Always verify that all connections comply with the standards applicable to the installation of air conditioners.
- Devices disconnected from the power supply should be completely disconnected in the condition of overvoltage category.
- Be sure not to perform power cable modification, extension wiring, and multiple wire connection.
  - It may cause electric shock or fire due to poor connection, poor insulation, or current limit override.
  - When extension wiring is required due to power line damage, refer to **Step 13 Optional: Extending the power cable** in the installation manual.

## CAUTION

**Make sure that you earth the cables.**

- Do not connect the earth wire to the gas pipe, water pipe, lighting rod or telephone wire. If earthing is not complete, electric shock or fire may occur.

**Install the circuit breaker.**

- If the circuit breaker is not installed, electric shock or fire may occur.

**Make sure that the condensed water dripping from the drain hose runs out properly and safely.**

**Install the power cable and communication cable of the indoor and outdoor unit at least 1m away from the electric appliance.**

**Install the indoor unit away from lighting apparatus using the ballast.**

- If you use the wireless remote control, reception error may occur due to the ballast of the lighting apparatus.

## Power supply line, fuse or circuit breaker

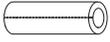
### WARNING

- Always make sure that the power supply is compliant with current safety standards. Always install the air conditioner in compliance with current local safety standards.
- Always verify that a suitable grounding connection is available.
- Verify that the voltage and frequency of the power supply comply with the specifications and that the installed power is sufficient to ensure the operation of any other domestic appliance connected to the same electric lines.
- Always verify that the cut-off and protection switches are suitably dimensioned.
- Verify that the air conditioner is connected to the power supply in accordance with the instructions provided in the wiring diagram included in the manual.

# Installation Procedure

## Step 1 Checking and preparing accessories

The following accessories are supplied with the indoor unit. The type and quantity may differ, depending on the specifications.

|   |   |
|---|---|
| User's manual(1)  | Installation manual(1)  |
|    |    |
| Flexible hose (1)   | Insulation drain (1)  |
|    |    |
| Thermal insulation sponge A (1)   | Reducer(1)  |
|    |   |
| Thermal insulation sponge B (1)   | Thermal insulation sponge C (1)   |
|  |  |
| Clamp hose(1)   | Rubber(8)   |
|  |  |
| Cable-tie(8)  |   |
|  |   |

## Step 2 Choosing the installation location

### Installation location requirements

- There must be no obstacles near the air inlet and outlet.
- Install the indoor unit on a ceiling that can support its weight.
- Maintain sufficient clearance around the indoor unit.
- Before installing the indoor unit, be sure to check whether the chosen location is well-drained.
- The indoor unit must be installed such that it is beyond public access and is not touchable by users.

### Do not install the air conditioner in following places.

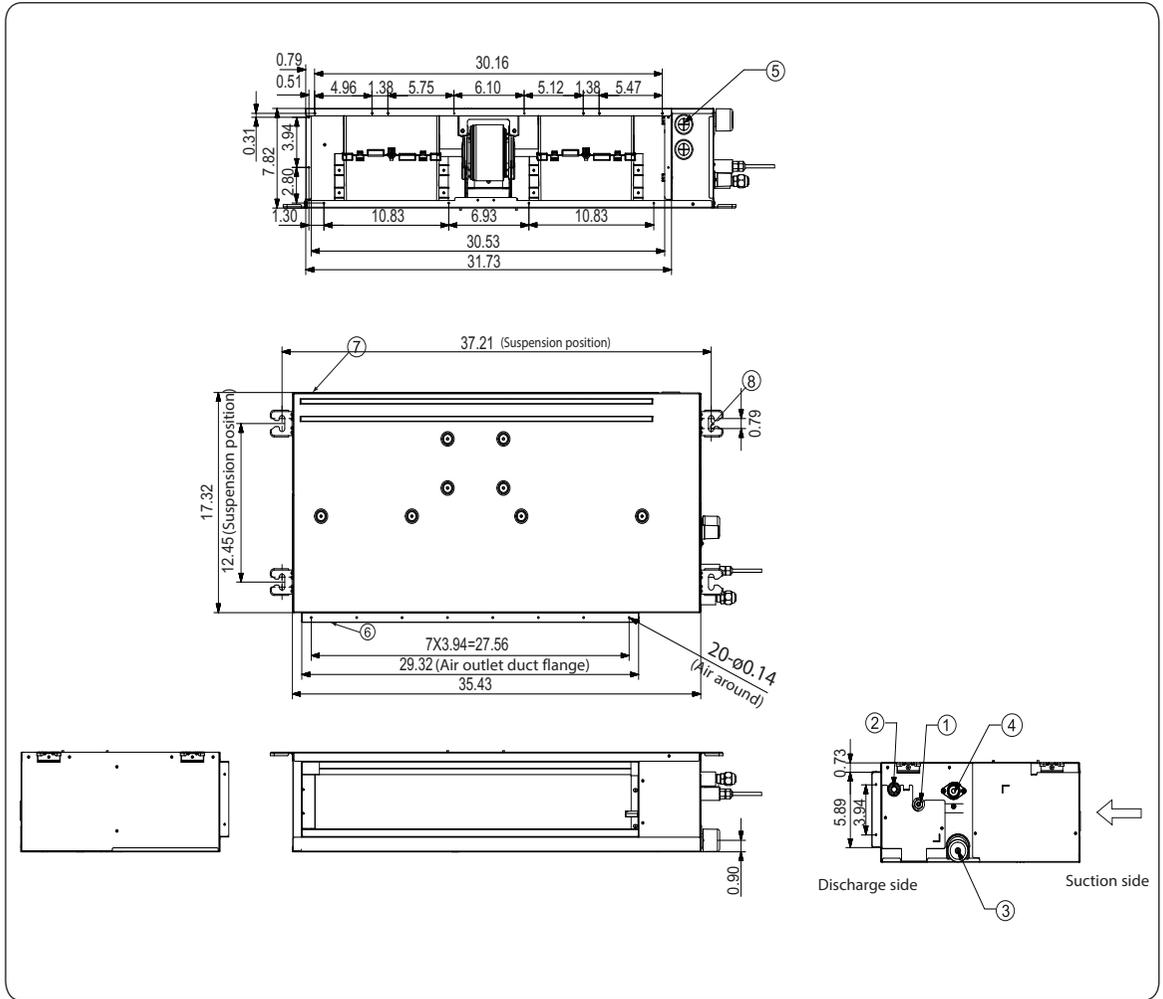
- A location where there is mineral oil or arsenic acid. Resin, flame, or accessories may drop or water may leak. The heat exchanger capacity may decrease or the air conditioner may be out of order.
- A place where corrosive gas such as sulphuric acid gas generates from vent pipes or air outlets.
- The copper pipe or connection pipe may corrode and refrigerant may leak.
- A place where machines may generate electromagnetic waves. The air conditioner's control system may not operate normally.
- The place where there is a danger of existing combustible gas, carbon fibre or flammable dust.
- The place where thinner or gasoline is handled. Gas may leak and it may cause fire.

# Installation Procedure

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Unit: inch

Installation Procedure

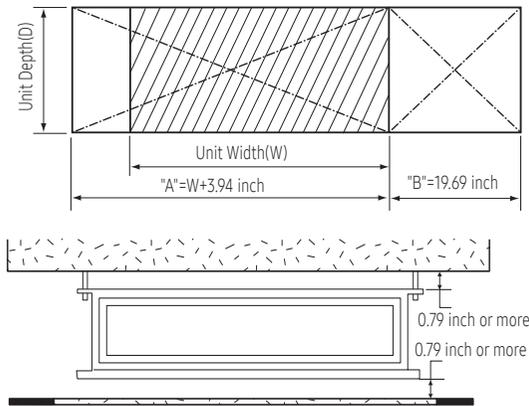


| No. | Name                    | Description   |
|-----|-------------------------|---|
| 1   | Liquid pipe connection  | ø1/4"   |
| 2   | Gas pipe connection     | AJ009TNLDCH/AJ012TNLDCH : Φ3/8" AJ018TNLDCH : Φ1/2" |
| 3   | Drain pipe connection   | 3/4"(ODØ1.05") (when using gravity drain)           |
| 4   | Drain pipe connection   | Using drain pump                                    |
| 5   | Power supply connection |   |
| 6   | Air discharge flange    |   |
| 7   | Suction flange          |   |
| 8   | Hook                    | M8~M10  |

## Spacing requirements

Space requirements for installation & service.  
Construction Standard for Inspection opening  
An inspection opening is required for service and unit replacement.

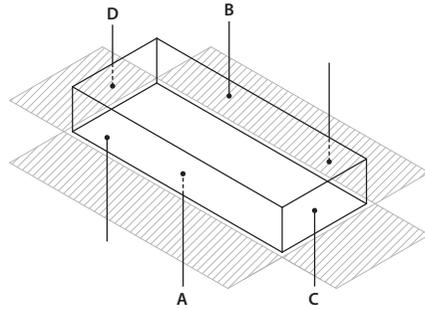
- 1) If the ceiling is a grid type, an inspection opening is not required.
- 2) If the ceiling is plaster board, an inspection opening is required. The size of the opening will vary based on the height inside the ceiling.
  - a. Height is more than 1.64ft: Only "B" [Inspection for PBA] is applied.
  - b. Height is less than 1.64ft: Both "A"&"B" are applied.
  - c. "A"&"B" are inspection opening .



- You must have 0.79 inch or more space between the ceiling and the bottom of indoor unit to prevent transmission of noise and vibration from the unit into the space.
- It is possible to install the unit at an height of between 7.2~8.2 ft from the ground, if the unit has a duct with a well defined length [11.81 inch or more], to avoid fan motor blower contact.
- If you install the cassette or duct type indoor unit on the ceiling with humidity over 80%, you must apply extra 0.39inch of polyethylene foam or other insulation with similar material on the body of the indoor unit.

## Step 3 Optional: Insulating the body of the indoor unit

Insulation Guide



Thickness: more than 0.39 inch unit: inch

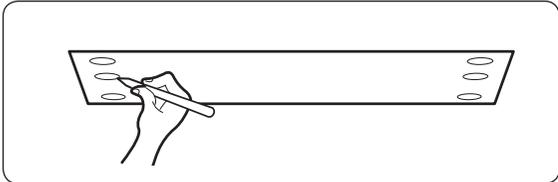
|             |  |
|-------------|--|
| Indoor unit | AJ***TNLDCH  |
|             | 35.43*23.62*7.83   |
| A           | 35.43*23.62  |
| B           | 35.43*23.62  |
| C           | 23.62*7.83   |
| D           | 23.62*7.83   |
| Front/Back  | Insulate the front and back side in proper size at the same time when insulating the suction duct and discharge duct |

- Insulate the end of the pipe and some curved area by using separate insulator.
- Insulate the discharge and suction part at the same time when you insulate connection duct.

# Installation Procedure

## Step 4 Installing the indoor unit

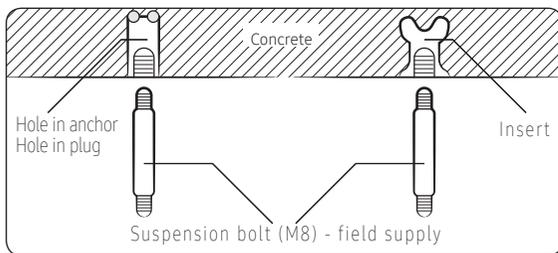
- 1 Place the pattern sheet on the ceiling at the spot where you want to install the indoor unit.



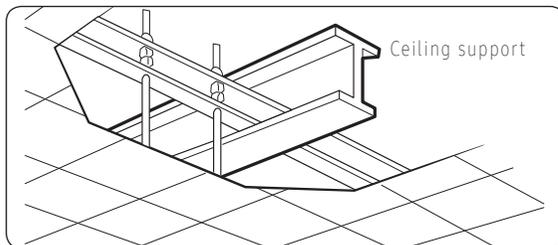
### NOTE

- Since the diagram is made of paper, it may shrink or stretch slightly due to temperature or humidity. For this reason, before drilling the holes maintain the correct dimensions between the markings.

- 2 Insert bolt anchors. Use existing ceiling supports or construct a suitable support as shown in figure.



- 3 Install the suspension bolts depending on the ceiling type.



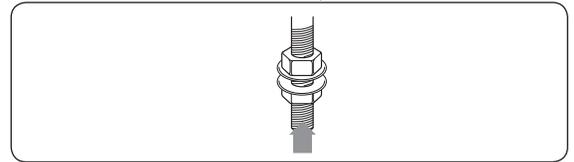
### CAUTION

- Ensure that the ceiling is strong enough to support the weight of the indoor unit. Before hanging the unit, test the strength of each attached suspension bolt.

- If the length of suspension bolt is more than 4.92 ft, it is required to prevent vibration.
  - If this is not possible, create an opening on the false ceiling in order to be able to use it to perform the required operations on the indoor unit.
- 4 Screw eight nuts to the suspension bolts making space for hanging the indoor unit.

### NOTE

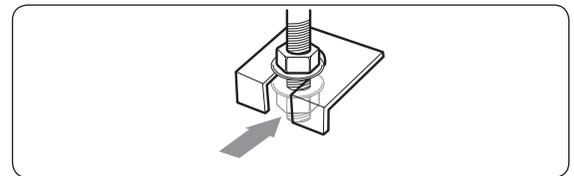
- You must install all the suspension rods.



- 5 Hang the indoor unit to the suspension bolts between two nuts

### CAUTION

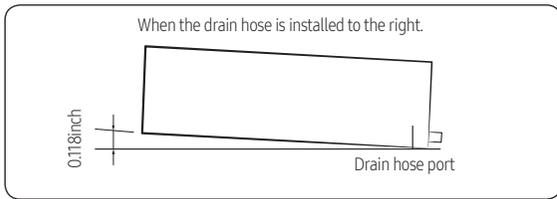
- Piping must be installed inside the ceiling when suspending the unit. If the ceiling is already constructed, install the piping for connection to the unit before placing the unit inside the ceiling.



- 6 Screw the nuts to suspend the unit.
- 7 Adjust the level of the unit using a level tool.

### CAUTION

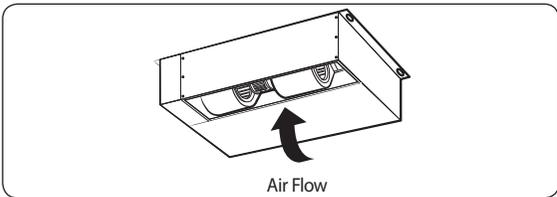
- For proper condensate drainage, slant the unit 0.118inch towards the side where the drain hose is connected as shown in the figure.



- When installing the indoor unit, make sure it is not tilted toward front or back side.

### ⚠ CAUTION

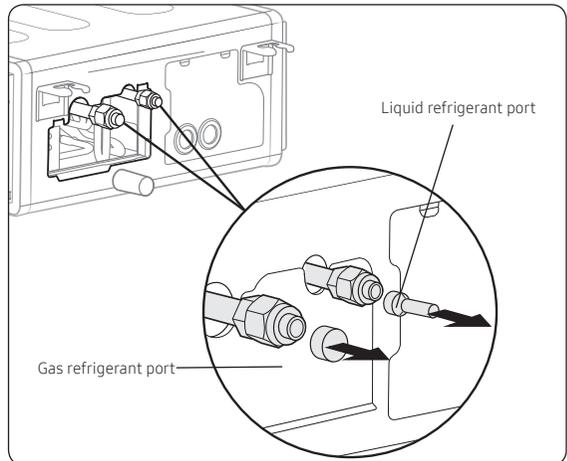
- Noise will increase 3~6 dB(A) when the air flow enters from the bottom side (Only for Slim Duct Type product).



## Step 5 Purging inert gas from the indoor unit

The indoor unit comes with nitrogen gas (inert gas) charged at the factory. Therefore, all inert gas must be purged before connecting the assembly piping.

**Unscrew the pinch pipe at the end of each refrigerant pipe.**



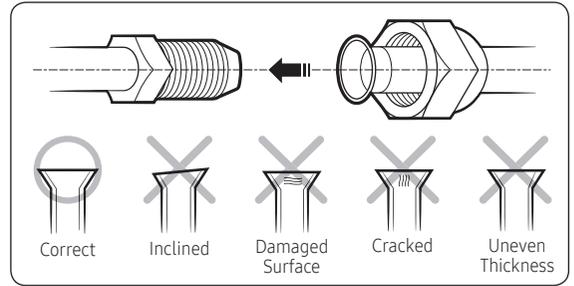
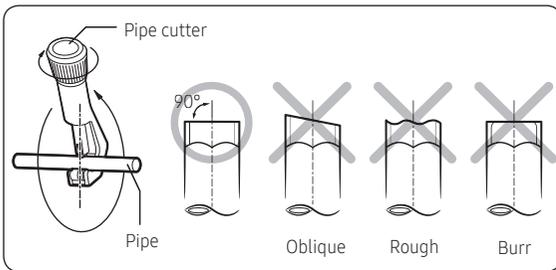
### 📄 NOTE

- To prevent dirt or foreign objects from getting into the pipes during installation, do not remove the pinch pipe completely until you are ready to connect the piping.

# Installation Procedure

## Step 6 Cutting and flaring the pipes

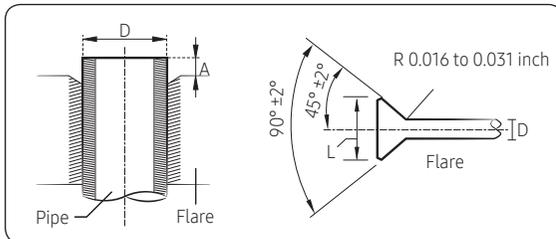
- 1 Make sure that you have the required tools available: pipe cutter, reamer, flaring tool, and pipe holder.
- 2 If you wish to shorten the pipes, cut them with a pipe cutter, ensuring that the cut edge remains at a 90° angle to the side of the pipe. Refer to the illustrations below for examples of edges cut correctly and incorrectly.



### CAUTION

- If the pipes require brazing ensure that OFN (Oxygen Free Nitrogen) is flowing through the system.
- Nitrogen blowing pressure range is 0.02 ~ 0.05MPa.

- 3 To prevent any gas from leaking out, remove all burrs at the cut edge of the pipe, using a reamer.
- 4 Slide a flare nut on to the pipe and flare the pipe.



Unit : inch

| Outer Diameter (D) | Depth (A) | Flare dimension (L) |
|--------------------|-----------|---------------------|
| Ø1/4               | 0.051     | 0.34 to 0.36        |
| Ø3/8               | 0.071     | 0.50 to 0.52        |
| Ø1/2               | 0.079     | 0.64 to 0.65        |
| Ø5/8               | 0.087     | 0.76 to 0.78        |

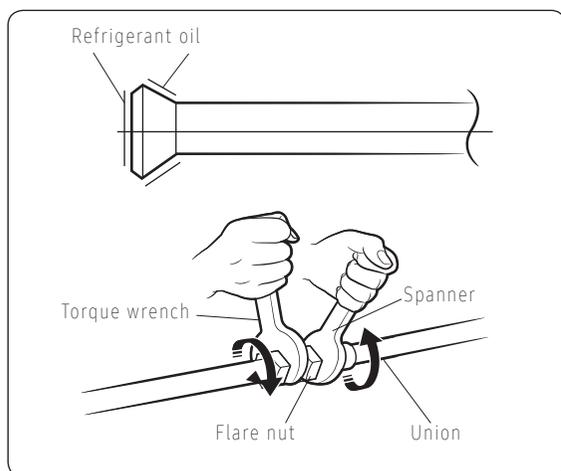
- 5 Check that the flaring is correct, referring to the illustrations below for examples of incorrect flaring.

## Step 7 Connecting the assembly pipes to the refrigerant pipes

There are two refrigerant pipes of different diameters :

- A smaller one for the liquid refrigerant
- A larger one for the gas refrigerant
- The inside of copper pipe must be clean & has no dust

1 Remove the pinch pipes and connect the assembly pipes. First tighten the flare nuts manually and then with a torque wrench and a spanner applying the following torque.



| Outer diameter (D) | Torque (lbf-ft) |
|--------------------|-----------------|
| Ø1/4 inch          | 10 to 13        |
| Ø3/8 inch          | 25 to 30        |
| Ø1/2 inch          | 35 to 44        |
| Ø5/8 inch          | 49 to 59        |

### NOTE

- If the pipes must be shortened refer to page 10, **Step 6 Cutting and flaring the pipes**

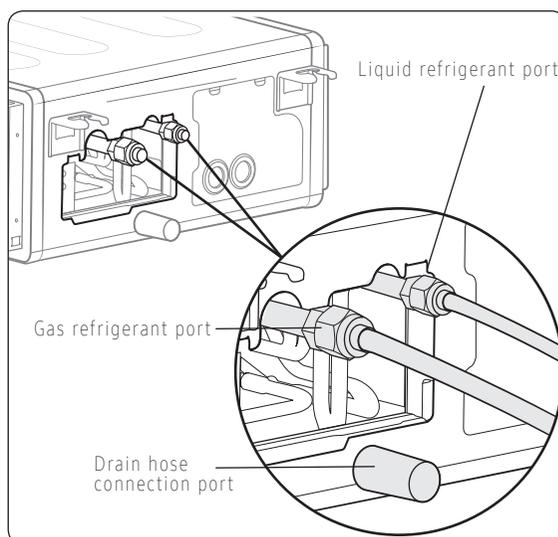
2 Use insulation that is thick enough to cover the refrigerant pipe to prevent condensate water on the outside of pipe and to ensure system efficiency. Condensation can drip onto the floor causing property damage or a slip hazard.

3 Cut off any excess foam insulation.

4 Make sure that the bent sections of pipe are not kinked or cracked.

5 It is necessary to double the insulation thickness (10mm or more) to prevent condensation even on the insulator when if the installed area is warm and humid.

6 Do not use joints or extensions for the pipes that connect the indoor and outdoor unit.



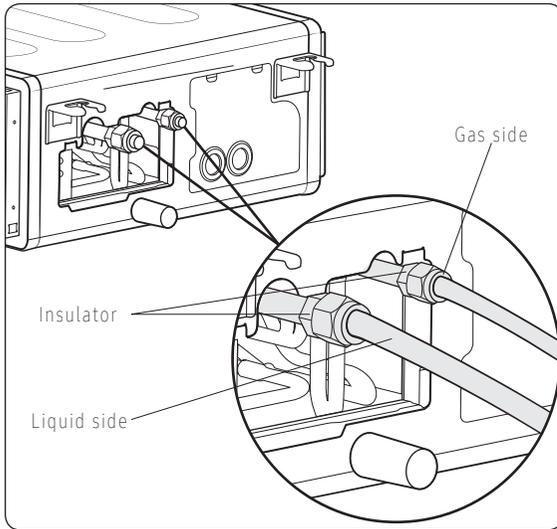
### NOTE

- The designs and shape are subject to change according to the model.

## Step 8 Performing the gas leak test

Pressure check the refrigerant system using high pressure nitrogen in order to detect basic refrigerant leaks. Before performing the vacuum process and releasing the factory R-410A charge into the refrigerant pipes, it is the responsibility of the installer to pressurize the whole system with nitrogen (using a cylinder with pressure reducer) at a pressure above 580.2 psi (gauge).

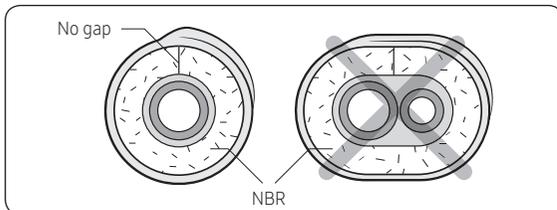
# Installation Procedure



## Step 9 Insulating the refrigerant pipes

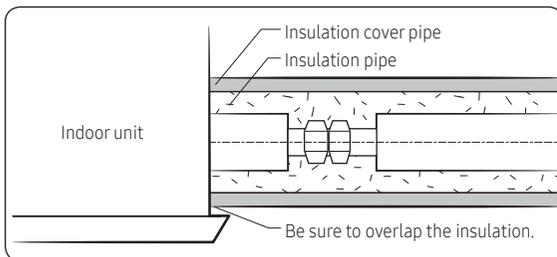
Once you have checked that there are no leaks in the system, you can insulate the piping and hose.

- 1 To avoid condensation problems, place Acrylonitrile Butadien Rubber separately around each refrigerant pipe.



### NOTE

- Always make the seam of pipes face upwards.
- 2 Wind insulating tape around the pipes and drain hose avoiding compressing the insulation too much.

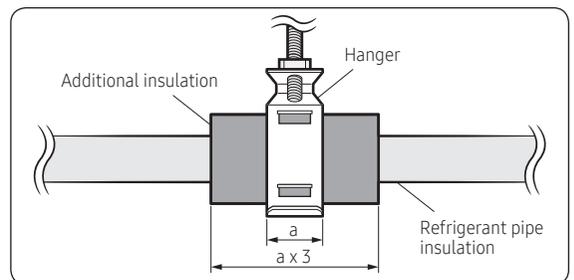


### CAUTION

- Be sure to wrap insulation tightly without any gaps.
- 3 Finish wrapping insulating tape around the rest of the pipes leading to the outdoor unit.
  - 4 The pipes and electrical cables connecting the indoor unit with the outdoor unit must be fixed to the wall with suitable ducts.

### CAUTION

- Make sure that all refrigerant connection must be accessible for easy maintenance and detachment.
- Install the insulation not to get wider and use the adhesives on the connection part of it to prevent moisture from entering.
- Wind the refrigerant pipe with insulation tape if it is exposed to outside sunlight.
- Install the refrigerant pipe respecting that the insulation does not get thinner on the bent part or hanger of pipe.
- Add the additional insulation if the insulation plate gets thinner.



- 5 Select the insulation of the refrigerant pipe.

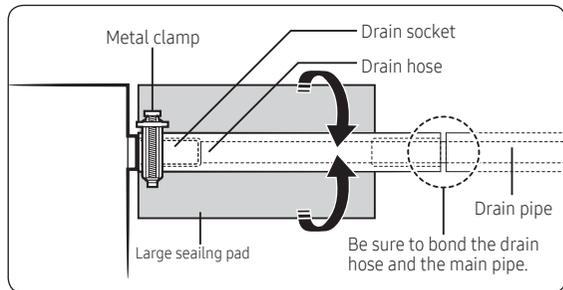
- Insulate the gas side and liquid side pipe, noting the insulation thickness that must differ according to the pipe size.
- Standard: Less than an indoor temperature of 86°F, with humidity at 85%. If installing in a high humidity environment, use one grade thicker insulator by referring to the table below. If installing in an unfavourable environment, use thicker one.
- The heat-resistance temperature of the insulator must be more than 248°F.

| Pipe        | Pipe size | Insulation type (heating/cooling) |                                | Remarks  |
|-------------|-----------|-----------------------------------|--------------------------------|--|
|             |           | Standard (Less than 86°F, 85%)    | High humidity (Over 86°F, 85%) |  |
|             |           | EPDM, NBR                         |                                |  |
|             | inch      | inch                              | inch                           |  |
| Liquid pipe | Ø1/4~Ø3/8 | 3/8                               | 3/8                            | The internal temperature is higher than 248°F. |
|             | Ø1/2~Ø3/4 | 1/2                               | 1/2                            |  |
| Gas pipe    | Ø1/4      | 1/2                               | 3/4                            |  |
|             | Ø3/8      | 3/4                               | 1                              |  |
|             | Ø1/2      |                                   |                                |  |
|             | Ø5/8      |                                   |                                |  |

- When installing insulation in the conditions below, use the same insulation that is used for high humidity conditions.

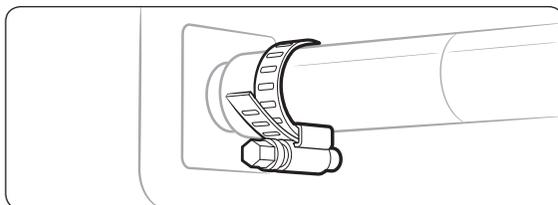
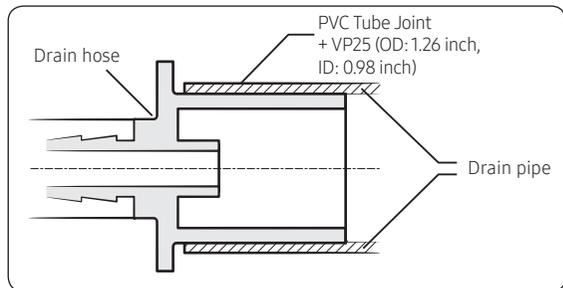
- Push the drain hose up to insulation when connecting the drain hose to drain socket.

|   |
|---|
| <b>&lt;Geological condition&gt;</b>   |
| High humidity locations such as shorelines, hot springs, lake or riversides, and ridges (when part of the building is covered by earth and sand)  |
| <b>&lt;Operation purpose condition&gt;</b>  |
| Restaurant ceiling, sauna, swimming pool etc.   |
| <b>&lt;Building construction condition&gt;</b>  |
| Ceilings frequently exposed to moisture and cooling are not covered. For example, pipes installed at a corridor of a dormitory and studio or near an exit that opens and closes frequently. |
| Places (where the pipes are installed) that are highly humid due to a lack of ventilation.  |



## Step 10 Installing the drain hose and drain pipe

- Push the supplied drain hose as far as possible over the drain socket.
- Tighten the metal clamp as shown in the picture.

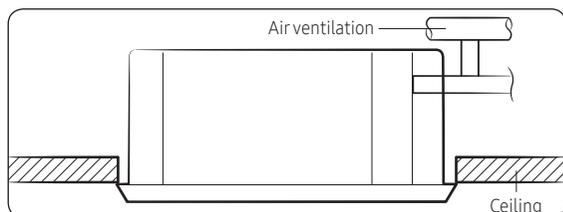


### ⚠ CAUTION

Check that the indoor unit is level with the ceiling by using the leveller.

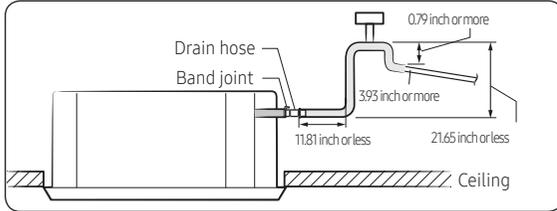
- Install air ventilation to drain condensation smoothly.

- Wrap the supplied large sealing pad over the metal clamp and drain hose 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).

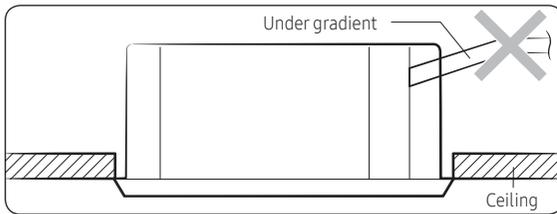


# Installation Procedure

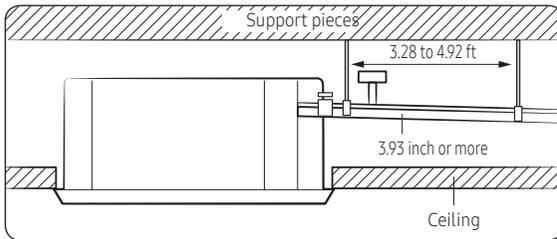
- If it is necessary to increase the height of the drain pipe, install the drain pipe straight within 11.81 inch from the drain hose port. If it is raised higher than 21.65 inch, there may be water leaks.



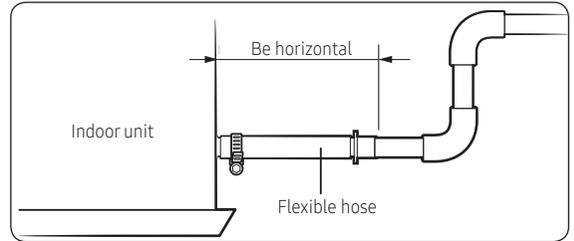
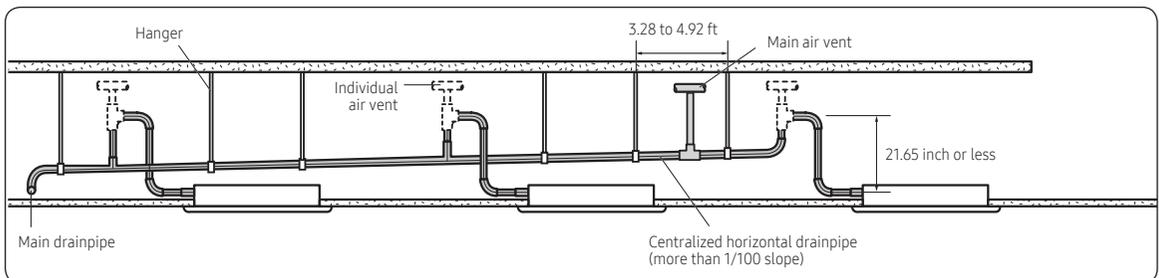
- Do not give the hose an upward gradient beyond the connection port. This will cause water to flow backwards when the unit is stopped, resulting in water leaks.



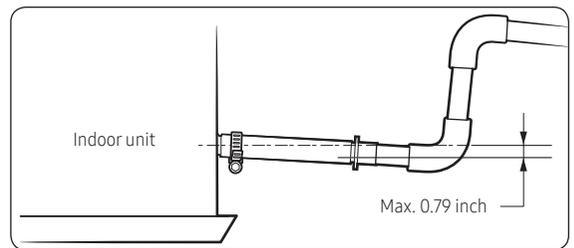
- Do not apply force to the piping on the unit side when connecting the drain hose. The hose should not be allowed to hang loose from its connection to the unit. Fasten the hose to a wall, frame or other support as close to the unit as possible.



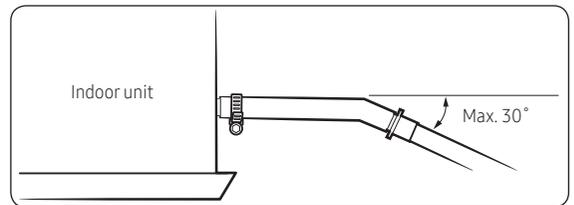
- Install horizontally.



- Max. allowable axis gap.



- Max. allowable bending angle.

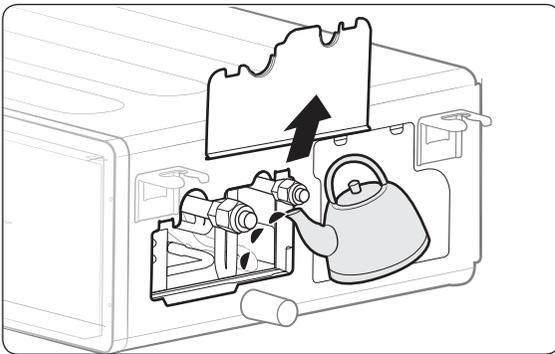


## NOTE

- If a concentrated drain pipe is installed, refer to the figure below.

## Step 11 Performing the drainage test

- 1 Pour water into the drain pan inside the the indoor unit as shown in the figure below (approximately 0.5 gallons)
- 2 Confirm that the water flows out through the drain hose.



## Step 12 Connecting the power and communication cables

### ⚠ CAUTION

- Always remember to connect the refrigerant pipes before performing the electric connections. When disconnecting the system, always disconnect the electric cables before disconnecting the refrigerant pipes.

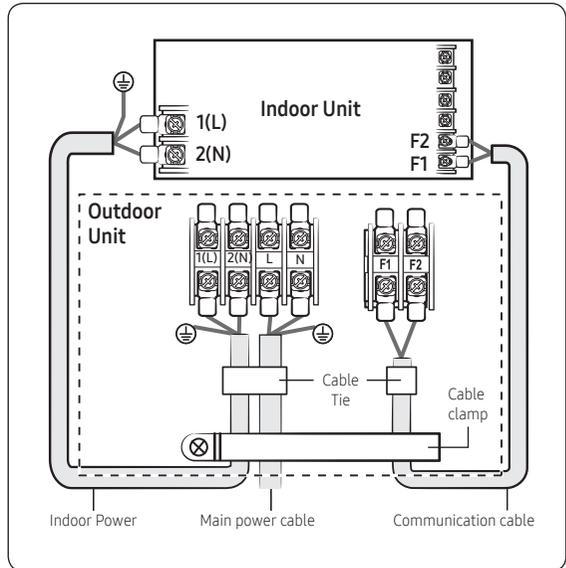
### ⚠ CAUTION

- Always remember to connect the air conditioner to the grounding system before performing the electric connections. Use a crimp ring terminal at the end of each wire.

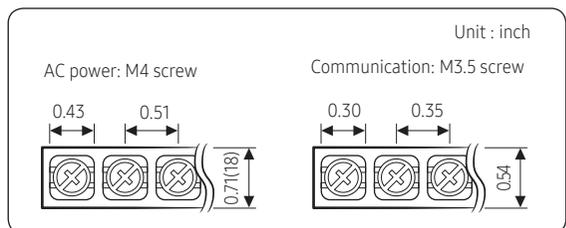
The indoor unit is powered through the outdoor unit by means of a H07 RN-F connection cable (or a more power model), with insulation in synthetic rubber and a jacket in polychloroprene (neoprene), in accordance with the requirements specified in the standard EN 60335-2-40.

- 1 Remove the screw on the electrical component box and remove the cover plate.
- 2 Route the connection cord through the side of the indoor unit and connect the cable to the terminals refer to the figure below.
- 3 Route the other end of the cable to the outdoor unit.

- 4 Reassemble the electrical component box cover, carefully tightening the screw.



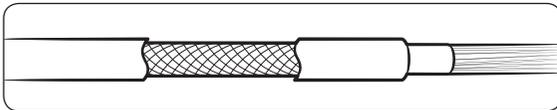
| Indoor power supply                          |            |   |
|--|------------|---|
| Power supply                                 | Max/Min(V) | Indoor power cable                              |
| 208 to 230V, 60 Hz                           | ±10%       | 0.0023 to 0.0039 inch <sup>2</sup> ,<br>3 wires |
| Communication cable                          |            |   |
| 0.0012 to 0.0023 inch <sup>2</sup> , 2 wires |            |   |



| Tightening torque (lbf-ft) |              |
|----------------------------|--------------|
| M3.5                       | 0.58 to 0.72 |
| M4                         | 0.87 to 1.08 |

# Installation Procedure

- Power supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord. (Code designation IEC:60245 IEC 57 / CENELEC: H05RN-F or IEC:60245 IEC 66 / CENELEC: H07RN-F)
- Since it has the external power supply, refer to the outdoor unit installation manual for MAIN POWER.



## ⚠ CAUTION

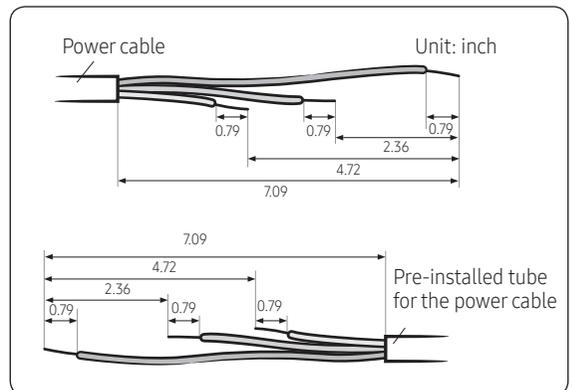
- When installing the indoor unit in a computer room or network room, use the double shielded communication cable (tape aluminum / polyester braid + copper) of FROHH2R type.
- Select the power cable in accordance with relevant local and national.
- Wire size must comply with local and national code.
- You should connect the power cable into the power cable terminal and fasten it with a clamp.
- The unbalanced power must be maintained within 10% of supply rating among whole indoor units.
- If the power is unbalanced greatly, it may shorten the life of the condenser. If the unbalanced power is exceeded by more than 10% of supply rating, the indoor unit will protect itself by stopping and displaying an error code.
- Connect the power cable to the auxiliary circuit breaker. An all pole disconnection from the power supply must be incorporated in the fixed wiring ( $\geq 0.12\text{mm}$ ).
- You must keep the cable in a protection tube.
- Maximum length of power cables are decided within 10% of power drop. If it exceeds, you must consider another power supplying method.
- The circuit breaker (MCCB, ELB) should be considered more capacity if many indoor units are connected from one breaker.
- Use round pressure terminal for connections to the power terminal block.
- For wiring, use the designated power cable and connect it firmly, then secure to prevent outside pressure being exerted on the terminal board.
- Use an appropriate screwdriver for tightening the terminal screws. A screwdriver with a small head will strip the head and make proper tightening impossible.
- Over-tightening the terminal screws may break them.

## Step 13 Optional: Extending the power cable

- 1 Prepare the following tools.

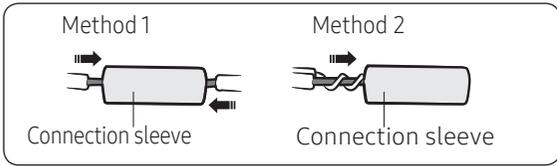
| Tools                    | Spec             | Shape |
|--------------------------|------------------|-------|
| Crimping pliers          | MH-14            |       |
| Connection sleeve (inch) | 0.79x0.26 (HxOD) |       |
| Insulation tape (inch)   | Width 0.75       |       |
| Contraction tube (inch)  | 2.76x0.31 (HxOD) |       |

- 2 As shown in the figure, peel off the shields from the rubber and wire of the power cable.
  - Peel off 0.79 inch of cable shields from the pre-installed tube.



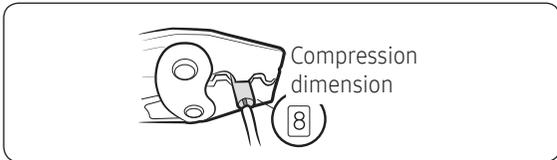
## ⚠ CAUTION

- For information about the power cable specifications for indoor and outdoor units, refer to the installation manual.
  - After peeling off cable wires from the pre-installed tube, insert a contraction tube.
- 3 Insert both sides of core wire of the power cable into the connection sleeve.
    - Method 1: Push the core wire into the sleeve from both sides.
    - Method 2: Twist the wire cores together and push it into the sleeve.

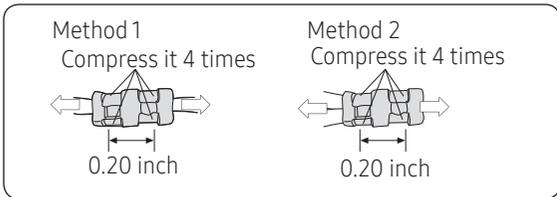


**CAUTION**

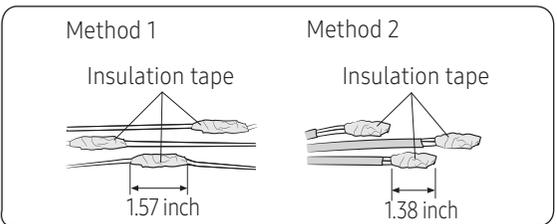
- If cable wires are connected without using connecting sleeves, their contact area becomes reduced, or corrosion develops on the outer surfaces of the wires (copper wires) over a long time. This may cause an increase of resistance (reduction of passing current) and consequently may result in a fire.
- 4 Using a crimping tool, compress the two points and flip it over and compress another two points in the same location.
- The compression dimension should be 8.0.



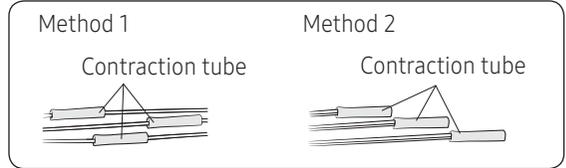
- After compressing it, pull both sides of the wire to make sure it is firmly pressed.



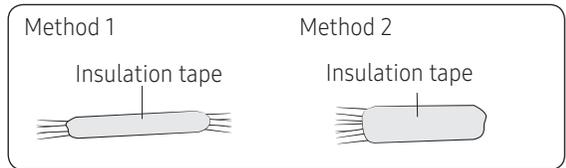
- 5 Wrap it with the insulation tape twice or more and position your contraction tube in the middle of the insulation tape.



- 6 Apply heat to the contraction tube to contract it.



- 7 After tube contraction work is completed, wrap it with the insulation tape to finish. Three or more layers of insulation are required.

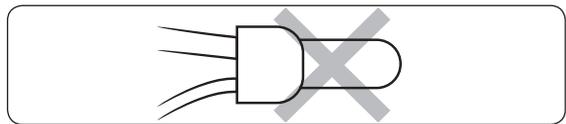


**CAUTION**

- Make sure that the connection parts are not exposed to outside.
- Be sure to use insulation tape and a contraction tube made of approved reinforced insulating materials that have the same level of withstand voltage with the power cable. (Comply with the local regulations on extensions.)

**WARNING**

- In case of extending the electric wire, please DO NOT use a round-shaped Pressing socket.
  - Incomplete wire connections can cause electric shock or a fire.

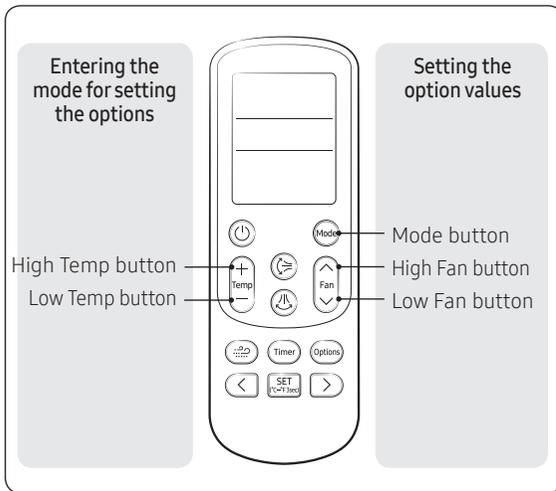


# Installation Procedure

## Step 14 Setting the indoor unit addresses and the installation options

You cannot set both the indoor unit addresses and the installation options at the same time.

### Common steps for setting the addresses and options

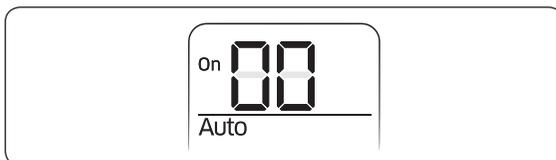


#### NOTE

- The remote control display and buttons may vary depending on the model.

#### 1 Enter the mode for setting the options:

- Remove the batteries from the remote control, and then insert them again.
- While holding down the  $\oplus$  (High Temp) and  $\ominus$  (Low Temp) buttons simultaneously, insert the batteries into the remote control.
- Make sure that you are entered to the mode for setting the options:



#### 2 Set the option values.

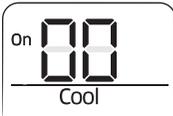
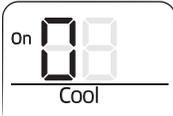
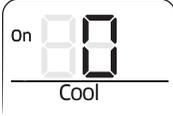
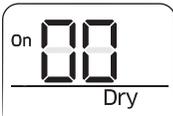
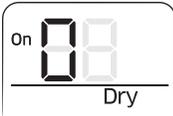
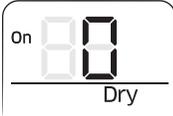
### CAUTION

- The total number of available options are 24: SEG1 to SEG24.
- Because SEG1, SEG7, SEG13, and SEG19 are the page options used by the previous remote control models, the modes to set values for these options are skipped automatically.
- Set a 2-digit value for each option pair in the following order: SEG2 and SEG3 → SEG4 and SEG5 → SEG6 and SEG8 → SEG9 and SEG10 → SEG11 and SEG12 → SEG14 and SEG15 → SEG16 and SEG17 → SEG18 and SEG20 → SEG21 and SEG22 → SEG23 and SEG24

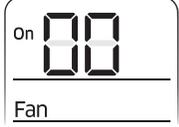
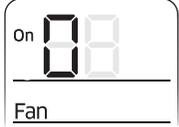
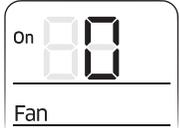
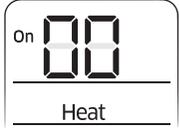
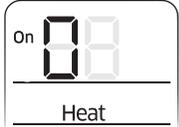
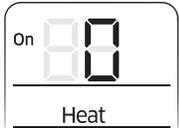
| SEG1  | SEG2  | SEG3  | SEG4  | SEG5  | SEG6  |
|-------|-------|-------|-------|-------|-------|
| 0     | X     | X     | X     | X     | X     |
| SEG7  | SEG8  | SEG9  | SEG10 | SEG11 | SEG12 |
| 1     | X     | X     | X     | X     | X     |
| SEG13 | SEG14 | SEG15 | SEG16 | SEG17 | SEG18 |
| 2     | X     | X     | X     | X     | X     |
| SEG19 | SEG20 | SEG21 | SEG22 | SEG23 | SEG24 |
| 3     | X     | X     | X     | X     | X     |

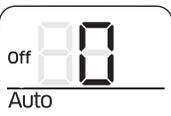
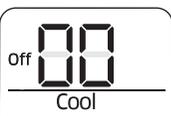
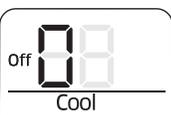
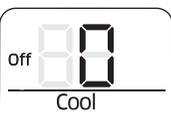
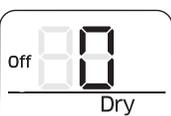
| On (SEG1 to SEG12) | Off (SEG13 to SEG24) |
|--------------------|----------------------|
|                    |                      |

Take the steps presented in the following table:

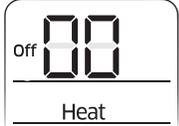
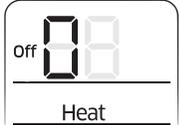
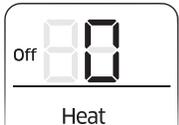
| Steps  | Remote control display  |
|--|---|
| <p><b>1</b> Set the SEG2 and SEG3 values:</p> <p><b>a</b> Set the SEG2 value by pressing the  (Low Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p><b>b</b> Set the SEG3 value by pressing the  (High Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p>When you press the  (Low Fan) or  (High Fan) button, values appear in the following order: 0 → 1 → ... E → F</p>         |  <p style="text-align: center;">SEG2</p>  <p style="text-align: center;">SEG3</p>     |
| <p><b>2</b> Press the  (Mode) button. <b>Cool</b> and <b>On</b> appear on the remote control display.</p>   |    |
| <p><b>3</b> Set the SEG4 and SEG5 values:</p> <p><b>a</b> Set the SEG4 value by pressing the  (Low Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p><b>b</b> Set the SEG5 value by pressing the  (High Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p>When you press the  (Low Fan) or  (High Fan) button, values appear in the following order: 0 → 1 → ... E → F</p>  |  <p style="text-align: center;">SEG4</p>  <p style="text-align: center;">SEG5</p>  |
| <p><b>4</b> Press the  (Mode) button. <b>Dry</b> and <b>On</b> appear on the remote control display.</p>  |    |
| <p><b>5</b> Set the SEG6 and SEG8 values:</p> <p><b>a</b> Set the SEG6 value by pressing the  (Low Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p><b>b</b> Set the SEG8 value by pressing the  (High Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p>When you press the  (Low Fan) or  (High Fan) button, values appear in the following order: 0 → 1 → ... E → F</p> |  <p style="text-align: center;">SEG6</p>  <p style="text-align: center;">SEG8</p> |

# Installation Procedure

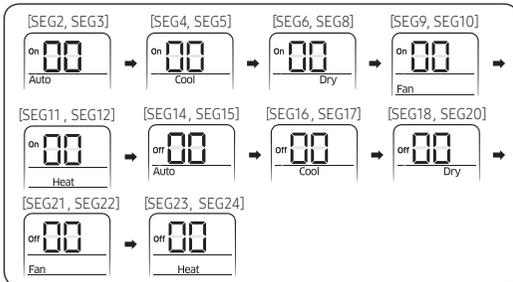
| Steps   | Remote control display  |
|---|---|
| <p>6 Press the  (Mode) button. <b>Fan</b> and <b>On</b> appear on the remote control display.</p>  |    |
| <p>7 Set the SEG9 and SEG10 values:</p> <p>a Set the SEG9 value by pressing the  (Low Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p>b Set the SEG10 value by pressing the  (High Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p>When you press the  (Low Fan) or  (High Fan) button, values appear in the following order: <math>\square \rightarrow \blacksquare \rightarrow \dots \rightarrow \text{E} \rightarrow \text{F}</math></p>           |  <p style="text-align: center;">SEG9</p>  <p style="text-align: center;">SEG10</p>      |
| <p>8 Press the  (Mode) button. <b>Heat</b> and <b>On</b> appear on the remote control display.</p>   |   |
| <p>9 Set the SEG11 and SEG12 values:</p> <p>a Set the SEG11 value by pressing the  (Low Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p>b Set the SEG12 value by pressing the  (High Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p>When you press the  (Low Fan) or  (High Fan) button, values appear in the following order: <math>\square \rightarrow \blacksquare \rightarrow \dots \rightarrow \text{E} \rightarrow \text{F}</math></p> |  <p style="text-align: center;">SEG11</p>  <p style="text-align: center;">SEG12</p> |
| <p>10 Press the  (Mode) button. <b>Auto</b> and <b>Off</b> appear on the remote control display.</p>   |    |

| Steps   | Remote control display  |
|---|---|
| <p><b>11</b> Set the SEG14 and SEG15 values:</p> <p><b>a</b> Set the SEG14 value by pressing the  (Low Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p><b>b</b> Set the SEG15 value by pressing the  (High Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p>When you press the  (Low Fan) or  (High Fan) button, values appear in the following order:  →  → ...  → </p>                 |  <p style="text-align: center;">SEG14</p>  <p style="text-align: center;">SEG15</p>     |
| <p><b>12</b> Press the  (Mode) button. <b>Cool</b> and <b>Off</b> appear on the remote control display.</p>  |    |
| <p><b>13</b> Set the SEG16 and SEG17 values:</p> <p><b>a</b> Set the SEG16 value by pressing the  (Low Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p><b>b</b> Set the SEG17 value by pressing the  (High Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p>When you press the  (Low Fan) or  (High Fan) button, values appear in the following order:  →  → ...  → </p>   |  <p style="text-align: center;">SEG16</p>  <p style="text-align: center;">SEG17</p>   |
| <p><b>14</b> Press the  (Mode) button. <b>Dry</b> and <b>Off</b> appear on the remote control display.</p>   |    |
| <p><b>15</b> Set the SEG18 and SEG20 values:</p> <p><b>a</b> Set the SEG18 value by pressing the  (Low Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p><b>b</b> Set the SEG20 value by pressing the  (High Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p>When you press the  (Low Fan) or  (High Fan) button, values appear in the following order:  →  → ...  → </p> |  <p style="text-align: center;">SEG18</p>  <p style="text-align: center;">SEG20</p> |

# Installation Procedure

| Steps   | Remote control display  |
|---|---|
| <p><b>16</b> Press the  (Mode) button. <b>Fan</b> and <b>Off</b> appear on the remote control display.</p>   |    |
| <p><b>17</b> Set the SEG21 and SEG22 values:</p> <p><b>a</b> Set the SEG21 value by pressing the  (Low Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p><b>b</b> Set the SEG22 value by pressing the  (High Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p>When you press the  (Low Fan) or  (High Fan) button, values appear in the following order:  →  → ... →  → </p>                 |  <p style="text-align: center;">SEG21</p>  <p style="text-align: center;">SEG22</p>     |
| <p><b>18</b> Press the  (Mode) button. <b>Heat</b> and <b>Off</b> appear on the remote control display.</p>  |   |
| <p><b>19</b> Set the SEG23 and SEG24 values:</p> <p><b>a</b> Set the SEG23 value by pressing the  (Low Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p><b>b</b> Set the SEG24 value by pressing the  (High Fan) button repeatedly until the value you want to set appears on the remote control display.</p> <p>When you press the  (Low Fan) or  (High Fan) button, values appear in the following order:  →  → ... →  → </p> |  <p style="text-align: center;">SEG23</p>  <p style="text-align: center;">SEG24</p> |

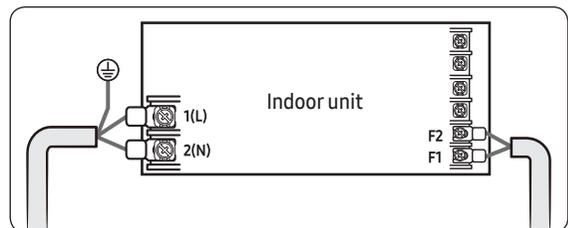
- 3 Check whether the option values that you have set are correct by pressing the  (Mode) button repeatedly



- 4 Save the option values into the indoor unit:  
Point the remote control to the remote control sensor on the indoor unit and then press the  (Power) button on the remote control twice. Make sure that this command is received by the indoor unit. When it is successfully received, you can hear a short sound from the indoor unit. If the command is not received, press the  (Power) button again.
- 5 Check whether the air conditioner operates in accordance with the option values you have set:
- Reset the indoor unit by disconnecting and then reconnecting the power cable of the indoor unit or by pressing the RESET button on the outdoor unit.
  - Remove the batteries from the remote control, insert them again, and then press the  (Power) button on the remote control.

## Setting the indoor unit address and installation option

- Make sure that the power is supplied to the indoor unit.
  - If the indoor unit is not plugged in, it must include a power supply.
- Make sure that the panel or display is connected to the indoor unit so that it can receive options



- Set an address and installation option for each indoor unit using the remote control, according to your air conditioning system plan.

# Installation Procedure

## Setting an indoor unit address (MAIN/RMC)

- The indoor unit address are set to 0A0000-100000-200000-300000 by default.

Option No. : 0AXXXX-1XXXXX-2XXXXX-3XXXXX

| Option                 | SEG1       |         | SEG2       |                          | SEG3                 |                           | SEG4                             |           | SEG5                    |          | SEG6                          |                |
|------------------------|------------|---------|------------|--------------------------|----------------------|---------------------------|----------------------------------|-----------|-------------------------|----------|-------------------------------|----------------|
| Explanation            | Page       |         | Mode       |                          | Setting main address |                           | 100-digit of indoor unit address |           | 10-digit of indoor unit |          | A single digit of indoor unit |                |
| Indication and details | Indication | Details | Indication | Details                  | Indication           | Details                   | Indication                       | Details   | Indication              | Details  | Indication                    | Details        |
|                        | 0          |         | A          |                          | 0                    | No main address           | 0~9                              | 100-digit | 0~9                     | 10-digit | 0~9                           | A single digit |
|                        |            |         |            |                          | 1                    | Main address setting mode |                                  |           |                         |          |                               |                |
| Option                 | SEG7       |         | SEG8       |                          | SEG9                 |                           | SEG10                            |           | SEG11                   |          | SEG12                         |                |
| Explanation            | Page       |         | Reserved   |                          | Setting RMC address  |                           | Reserved                         |           | Group channel(*16)      |          | Group address                 |                |
| Indication and details | Indication | Details |            |                          | Indication           | Details                   |                                  |           | Indication              | Details  | Indication                    | Details        |
|                        | 1          |         |            |                          | 0                    | No RMC address            |                                  |           | RMC1                    | 1~F      | RMC2                          | 1~F            |
|                        |            |         | 1          | RMC address setting mode |                      |                           |                                  |           |                         |          |                               |                |

\* You must set RMC address setting mode when using the centralized Control.

### CAUTION

- When "A"~"F" is entered to SEG4~6, the indoor unit MAIN ADDRESS is not changed.
- If you set the SEG 3 as 0, the indoor unit will maintain the previous MAIN ADDRESS even if you input the option value of SEG4~6.
- If you set the SEG 9 as 0, the indoor unit will maintain previous RMC ADDRESS even if you input the option value of SEG11~12.

### Setting an indoor unit installation option (suitable for the condition of each installation location)

- The indoor unit installation option are set to 020010-120000-200000-300100 by default.
- Set the indoor unit option by wireless remote controller. When entering Address option, connect remote controller receiver.

#### Installation options

| SEG1  | SEG2                                   | SEG3                                   | SEG4  | SEG5                                      | SEG6                  |
|-------|--|--|---|---|-----------------------|
| 0     | 2                                      | Reserved                               | Use of external room temperature sensor / Minimizing fan operation when thermostat is off | Use of central control                    | Reserved              |
| SEG7  | SEG8                                   | SEG9                                   | SEG10   | SEG11                                     | SEG12                 |
| 1     | Using of drain pump                    | Use of Hot Coil                        | Use of Heater   | Controller variables for auxiliary heater | Reserved              |
| SEG13 | SEG14                                  | SEG15                                  | SEG16   | SEG17                                     | SEG18                 |
| 2     | Use of external control                | Setting the output of external control | Ionizer   | Buzzer Control                            | Hours of filter usage |
| SEG19 | SEG20                                  | SEG21                                  | SEG22   | SEG23                                     | SEG24                 |
| 3     | Individual control with remote control | Heating setting compensation offset    | The lowest limit of outdoor temperature for heating operation                             | Reserved                                  | Reserved              |

- Even if you set the Use of drain pump (SEG8) option to 0, it is automatically set to 2 (the drain pump is used with 3 minute delay).
- If you set the Maximum filter usage time (SEG18) option to a value other than 2 and 6, it is automatically set to 2 (1000 hours).
- If you set an option to a value that is out of range specified above, the option is automatically set to 0 by default.
- The external output of SEG15 is generated via MIM-B14 connection. (Refer to the manual of MIM-B14.)
- If you set the Individual control with remote control (SEG20) option to a value other than 0 to 4, it is automatically set to 0 (Indoor1).

# Installation Procedure

## Installation option (Detailed)

Option No. : 02XXXX-1XXXXX-2XXXXX-3XXXXX

| Option                 | SEG1                                    |   | SEG2                         |         | SEG3            | SEG4   |               |         | SEG5                                      |   | SEG6     |          |                         |                                  |         |  |
|------------------------|---|---|------------------------------|---------|-----------------|--|---------------|---------|---|---|----------|----------|-------------------------|----------------------------------|---------|--|
| Function               | Page                                    |   | Mode                         |         | Reserved        | Use of external room temperature sensor /<br>Minimizing fan operation when thermostat is off |               |         | Use of central control                    |   | Reserved |          |                         |                                  |         |  |
| Indication and details | Indication                              | Details   | Indication                   | Details |                 | 0  | 2             | Details |   | 0 |          | Disuse   |                         |                                  |         |  |
|                        | Use of External room temperature sensor | Minimizing fan operation when thermostat is off |                              |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 0                                       | Default   | Default                      |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 1                                       | Use   | Disuse                       |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 2                                       | Disuse  | Use (Heating)                |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 3                                       | Use   | Use (Heating)                |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 4                                       | Disuse  | Use (Cooling)                |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 5                                       | Use   | Use (Cooling)                | 1       |                 |  |               | Use     |   |   |          |          |                         |                                  |         |  |
|                        | 6                                       | Disuse  | Use (Heating / Cooling)      |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 7                                       | Use   | Use (Heating / Cooling)      |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 8                                       | Disuse  | Use (Cooling Ultra Low Fan ) |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 9                                       | Use   | Use (Cooling Ultra Low Fan ) |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
| A                      | Disuse                                  | Use (Heating / Cooling Ultra Low Fan )          |                              |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
| B                      | Use                                     | Use (Heating / Cooling Ultra Low Fan )          |                              |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
| Option                 | SEG7                                    |   | SEG8                         |         | SEG9            |  | SEG10         |         | SEG11                                     |   |          | SEG12    |                         |                                  |         |  |
| Function               | Page                                    |   | Use of drain pump            |         | Use of Hot Coil |  | Use of heater |         | Controller variables for auxiliary heater |   |          | Reserved |                         |                                  |         |  |
| Indication and details | Indication                              | Details   | Indication                   | Details | Indication      | Details  | Indication    | Details | 1   | 1 | Use      |          | Use (Heater time delay) |                                  |         |  |
|                        | Details                                 |   | 0                            | Disuse  | 0               | Disuse   | 0             | Disuse  |   |   |          |          |                         | Indication                       | Details |  |
|                        | 0                                       | Set temperature for auxiliary heat on           |                              |         |                 |  |               |         |   |   |          |          |                         | Time delay for auxiliary heat on |         |  |
|                        | 1                                       | No temperature offset                           |                              |         |                 |  |               |         |   |   |          |          |                         | No delay                         |         |  |
|                        | 2                                       | No temperature offset                           | 10 minutes                   |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 3                                       | No temperature offset                           | 20 minutes                   |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 4                                       | 2.7°F   | No delay                     |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 5                                       | 2.7°F   | 10 minutes                   |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 6                                       | 2.7°F   | 20 minutes                   |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 7                                       | 5.4°F   | No delay                     |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 8                                       | 5.4°F   | 10 minutes                   |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | 9                                       | 5.4°F   | 20 minutes                   |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | A                                       | 8.1°F   | No delay                     |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | B                                       | 8.1°F   | 10 minutes                   |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        | C                                       | 8.1°F   | 20 minutes                   |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
| D                      | 10.8°F                                  | No delay  |                              |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
| E                      | 10.8°F                                  | 10 minutes                                      |                              |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |
|                        |   | 20 minutes                                      |                              |         |                 |  |               |         |   |   |          |          |                         |                                  |         |  |

| Option                 | SEG13      |         | SEG14                                  |         |           | SEG15                                  |         | SEG16   |               | SEG17          |            | SEG18                     |              |   |     |   |                  |   |            |
|------------------------|------------|---------|--|---------|-----------|--|---------|---|---------------|----------------|------------|---------------------------|--------------|---|-----|---|------------------|---|------------|
| Function               | Page       |         | Use of external control                |         |           | Setting the output of external control |         | Ionizer   |               | Buzzer control |            | Maximum filter usage time |              |   |     |   |                  |   |            |
| Indication and details | Indication | Details | Indication                             | Details |           | Indication                             | Details | Indication  | Details       | Indication     | Details    | Indication                | Details      |   |     |   |                  |   |            |
|                        | 2          | 0       | Disuse                                 | 0       | Thermo on | 0                                      | Disuse  | 0   | Use of buzzer | 2              | 1000 hours | 1                         | Operation on | 1 | Use | 1 | Disuse of buzzer | 6 | 2000 hours |
|                        |            | 1       | On/Off                                 |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | 2       | Off                                    |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | 3       | Window                                 |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | 4       | Disuse                                 |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | 5       | On/Off                                 |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | 6       | Off                                    |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | 7       | Window                                 |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | 8       | Disuse                                 |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | 9       | On/Off                                 |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | A       | Off                                    |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | B       | Window                                 |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | C       | Disuse                                 |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | D       | On/Off                                 |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
| E                      |            | Off     |  |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
| F                      | Window     |         |  |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
| Option                 | SEG19      |         | SEG20                                  |         |           | SEG21                                  |         | SEG22   |               | SEG23          |            | SEG24                     |              |   |     |   |                  |   |            |
| Function               | Page       |         | Individual control with remote control |         |           | Heating setting compensation           |         | The lowest limit of outdoor temperature for heating operation |               | Reserved       |            | Reserved                  |              |   |     |   |                  |   |            |
| Indication and details | Indication | Details | Indication                             | Details |           | Indication                             | Details | Indication  | Details       | Reserved       |            | Reserved                  |              |   |     |   |                  |   |            |
|                        | 3          | 0 or 1  | Indoor 1                               | 0       | Default   | 0                                      | Disuse  | 1   | Use           | Reserved       |            | Reserved                  |              |   |     |   |                  |   |            |
|                        |            | 2       | Indoor 2                               | 1       | 3.6°F     |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |
|                        |            | 3       | Indoor 3                               | 2       | 9°F       | Reserved                               |         |   |               | Reserved       |            |                           |              |   |     |   |                  |   |            |
|                        |            | 4       | Indoor 4                               |         |           |  |         |   |               |                |            |                           |              |   |     |   |                  |   |            |

- By SEG4 setting, Minimizing fan operation when thermostat is off.
  - Fan operates for 20 seconds at an interval of 5 minutes in Heat mode.
  - Fan stops or operates Ultra low in Cooling when thermostat is off.
- Even if you set the Use of drain pump (SEG8) option to 0, it is automatically set to 2 (the drain pump is used with 3 minute delay).
- If you set the Maximum filter usage time (SEG18) option to a value other than 2 and 6, it is automatically set to 2 (1000 hours).
- If you set the Individual control with remote control (SEG20) option to a value other than 0 to 4, it is automatically set to 0 (Indoor 1).
- Default value of Heating setting compensation (SEG21) is 3.6°F.

# Installation Procedure

## Changing the addresses and options individually

When you want to change the value of a specific option, refer to the following table and follow the steps in **Common steps for setting the addresses and options** on page 18

| Option                 | SEG1       |         | SEG2       |         | SEG3                         |             | SEG4                               |                     | SEG5                                |                      | SEG6       |           |
|------------------------|------------|---------|------------|---------|------------------------------|-------------|------------------------------------|---------------------|-------------------------------------|----------------------|------------|-----------|
| Function               | Page       |         | Mode       |         | Type of the option to change |             | Tens position of the option number |                     | Units position of the option number |                      | New value  |           |
| Indication and details | Indication | Details | Indication | Details | Indication                   | Details     | Indication                         | Details             | Indication                          | Details              | Indication | Details   |
|                        |            | 0       |            | D       |                              | Option type | 0 to F                             | Tens position value | 0 to 9                              | Units position value | 0 to 9     | New value |

Example: Changing the Buzzer control (SEG17) option of the installation options to 1 disuse.

| Option     | SEG1 |  | SEG2 |  | SEG3                         |  | SEG4                               |  | SEG5                                |  | SEG6      |  |
|------------|------|--|------|--|------------------------------|--|------------------------------------|--|-------------------------------------|--|-----------|--|
| Function   | Page |  | Mode |  | Type of the option to change |  | Tens position of the option number |  | Units position of the option number |  | New value |  |
| Indication | 0    |  | D    |  | 2                            |  | 1                                  |  | 7                                   |  | 1         |  |

### CAUTION

- If your indoor units support both cooling and heating, the mixed operation (two or more indoor units operate in different modes simultaneously) is not available when the indoor units are connected to the same outdoor unit. If you set an indoor unit as the main indoor unit by using the remote control, the outdoor unit automatically operate in the current mode of the main indoor unit.

# Troubleshooting

| Abnormal conditions   | LED lamp display  |   |   |   |
|---|---|---|---|---|
|   | Operation   | Defrost   | Timer   | Filter  |
|   |  |  |  |  |
| Power reset   | ●   | X   | X   | X   |
| Error of temperature sensor in the indoor unit (Open/Short)   | X   | ●   | X   | X   |
| Error of heat exchanger sensor in the indoor unit (Open/Short)  | ●   | ●   | X   | X   |
| Error of fan motor in the indoor unit   | X   | X   | ●   | X   |
| Error of the outdoor temperature sensor<br>Error of the condensor temperature sensor<br>Error of the discharge temperature sensor | ●   | X   | ●   | X   |
| No communication for 2 minutes between indoor and outdoor unit (communication error for more than 2 minutes)                      | X   | ●   | ●   | X   |
| Error of outdoor unit<br>Error of the terminal block thermal fuse (Open)  | X   | ●   | ●   | ●   |
| Detection of the float switch   | X   | X   | ●   | ●   |
| EEPROM error<br>EEPROM option error   | ●   | ●   | ●   | ●   |
| Motion detect sensor error  | ●   | X   | X   | ●   |
| Mixed operation error   | X   | X   | X   | ●   |
| Outdoor valve clogging error  | ●   | X   | ●   | ●   |
| Miss matching error between indoor unit and outdoor unit  | ●   | ●   | X   | ●   |

● : On, ● : Flickering, X : Off

- If you turn off the air conditioner when the LED is flickering, the LED is also turned off.

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