



Installation Manual

HERO Simple Edge Cloud Communication Adaptor

Model name
DSE401B71



English

Français

Español

Safety Precautions

Also see the installation manual provided with the equipment that you connect.

Please read these “SAFETY PRECAUTIONS” carefully before installing the unit, and be sure to install the unit correctly.

- The installation manual and the “SAFETY PRECAUTIONS” contain important information regarding safety. Be sure to observe all precautions.

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

- After completing the installation, conduct a trial run to check for faults, and explain to the customer how to operate the unit and take care of it with the aid of the operation manual. Ask the customer to store the installation manual along with the operation manual for future reference.

 WARNING
• Ask your dealer or other qualified personnel to do the installation work. Do not attempt to install the unit yourself. Improper installation may result in electric shock or fire.
• Do not relocate or reinstall the unit yourself. Improper installation work may result in electric shock or fire. Ask your local dealer to carry out the relocation and reinstallation of the unit.
• Install the unit in accordance with the instructions in this installation manual. Improper installation may result in electric shock or fire.
• Be sure to use only the specified accessories and parts for the installation work. Failure to use the specified parts may result in the DSE401B71 falling, electric shock, or fire.
• Install the unit on a foundation strong enough to withstand the weight of the unit. A foundation of insufficient strength may result in the equipment falling and causing injury.
• Always perform the installation work with the power supply shut off. Touching energized electric parts will cause electric shock.



WARNING

- **Do not disassemble, modify or repair the unit.**
Electric shock or fire may result.
- **Make sure that all wiring is secured, that the specified wires are used, and that there is no strain on the terminal connections or wires.**
Improper connection or securing of wires may result in abnormal heat build-up or fire.
- **The choice of materials and installations must comply with the applicable national and international standards.**
- **Carry out the installation work taking earthquakes into account.**
Failure to do so during installation work may result in the unit falling and causing accidents.
- **When wiring the power supply, position the wires so that the electric parts box lid can be securely fastened.**
Improper positioning of the electric parts box lid may result in an abnormal heat build-up, electric shock, or fire.
- **This unit 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 unit.**
This equipment is not suitable for use in locations where children are likely to be present.



CAUTION

- **Be very careful when transporting the unit.**
- **Safely dispose of the packing materials.**
Tear apart and throw away plastic packaging bags so that children will not play with them. If children play with a plastic bag which was not torn apart, they face the risk of suffocation.
- **This unit is a FCC class B product.**
- **In a domestic environment, this product may cause radio interference.**
In such cases, the user may be required to take adequate measures.
- **Disposal requirements: the dismantling of the unit and of other parts must be done in accordance with relevant local and national legislation.**
- **Fill wiring intake hole with putty.**
Entry of water or insects may result in electric leakage or malfunction.
- **Do not operate with wet hands.**
Electric shock and malfunction may result.
- **Do not wash the unit with water.**
Electric shock or fire may result.
- **Install the unit, its power cord, and its communication wire at least 39-3/8 inch (1 m) away from televisions or radios.**
This is to prevent picture interference and noise. (Depending on the incoming signal strength, a distance of 39-3/8 inch (1 m) may not be sufficient to eliminate noise.)
- **If this product is installed in an area high in salt, the magnet may rust.**
- **Do not install the unit in the following places.**
 1. **In places with a high concentration of mineral oil spray or vapor (e.g. a kitchen).**
Plastic parts will deteriorate, parts may fall off and water leakage could result.
 2. **Near machinery emitting electromagnetic radiation.**
Other than connected VRV outdoor unit.
Electromagnetic radiation may disturb the operation of the control system and result in a malfunction of the unit.
 3. **In places where flammable gas may leak, where there is carbon fibre or ignitable dust suspensions in the air, or where volatile flammables such as paint thinner or gasoline are handled.**
Operating the unit in such places may result in fire.
 4. **In places where the unit is exposed to direct flames.**
Abnormal heat build-up or firing may result.

■ Cautions about using wireless communication



WARNING

Do not install this product in places where a person wearing a medical device or an implanted medical device such as a cardiac pacemaker may come within 7-7/8 inch (20 cm) of this product. Malfunction of the medical devices may result.

Do not use this product at airports, hospitals, or other buildings where the use of radio waves is prohibited or restricted, or near high-precision electronic devices. Malfunction of avionic instruments, medical equipment and electronic equipment may result.

This product is not intended for use with equipment or machines that may endanger human life in the event of a malfunction such as medical equipment, nuclear power equipment, aerospace equipment, or transportation equipment, as well as with equipment or machines that require high reliability such as core communication equipment and computer systems. If this product is used with equipment or machines such as those described above, this company shall not be liable for any personal injury, fire accidents, damage to reputation, etc. caused by the failure of this company's product.



CAUTION

This product performs wireless communication. If it is installed in an environment surrounded by metal, the metal will block the radio waves and normal operation may become impossible.

Keep magnetic cards such as cash cards and credit cards away from this product. The cards may become unusable.

Since this product is a device that communicates using wireless infrastructure, proper communication may become impossible due to the effects coming from the factors listed below.

- Effects from the characteristics of the infrastructure network used
- Effects on the infrastructure network used due to construction, disasters, large-scale events, etc.

Since this product uses wireless communication, it cannot be used in tunnels, or underground, or within buildings where radio waves cannot reach, or outdoors where the signal is weak or outside the communication service area. Even within the communication service area, this product may not be able to be used in places where radio waves are difficult to transmit, such as indoors, underground, in tunnels, where blocked by buildings, in mountainous areas, on the open ocean, or on high floors within buildings such as high-rise apartment buildings or condominiums.

This company shall not be liable for any damages caused by the product losing opportunities to communicate due to external factors such as power outages and communication equipment.

■ About handling of magnets for installing on the outdoor unit

Neodymium magnets are used to install this product on the outdoor unit.

Neodymium magnets have a strong magnetic force, so be sure to read this manual carefully before use.



WARNING

Bringing this product close to people with medical devices such as cardiac pacemakers and to other medical devices is very dangerous. It may interfere with the normal operation of the medical device.

Accidental ingestion of magnets can lead to life-threatening accidents. If you ingest a magnet, there is a risk of choking, and if it stays in your body, you may need abdominal surgery. If ingested, consult a doctor immediately. To prevent accidental ingestion, keep magnets out of the reach of children.

When magnets are attracted to each other or to the outdoor unit, fingers or skin may become pinched and injury may result.



CAUTION

If the magnets are vigorously attracted to each other or to an outdoor unit by the attractive force of the magnets themselves, the surface coating of the magnet body may be chipped or peel off, or the magnet body itself may chip, which may lead to rust on the magnets.

If you have an allergic reaction to metals, your skin may become irritated or red when you touch the magnets. Do not touch the magnets if you experience any of these symptoms. Never lick the magnets or drink water that touches the magnets, as the components of the magnets may dissolve in water and cause symptoms such as abdominal pain.

Keep magnetic cards such as cash cards and credit cards away from the magnets. The records on the cards may be destroyed or magnetized, and the cards may become unusable.

Bringing magnets close to various electronic devices, video devices, and communication devices (speakers, CD/DVD players, cathode ray tubes, mobile phones, watches, etc.) may interfere with normal operation or lead to malfunction.

If magnets of this product is placed near electronic control equipment, it may result in malfunction or accident.

Do not place magnets of this product near electronic control equipment.

Do not bring the magnets close to such devices or bring them into an aircraft.

If this product is left exposed, it is dangerous to attract surrounding magnets and metals vigorously.

When storing this product, put it in the packing box.

■ About export of this product



CAUTION

This product (including software) is for the US/Canada region only and cannot be used overseas.

This company shall not be liable if this product is used in other regions. In addition, please note that this company does not provide any overseas maintenance support or technical support for this product.

This device, which was assembled by Daikin Comfort Technologies Manufacturing Inc., contains a component that is classified as an intentional radiator.

This intentional radiator has been certified by the FCC: FCC ID (XPY2AGQN4NNN).

And this international radiator has an Industry Canada ID (8595A-2AGQN4NNN).

The manufacturer of the intentional radiator (model no. SARA-R410M-02B) is u-blox AG (www.u-blox.com).

This device complies with part 15 of the FCC's Rules. Operation of this device is subject to two conditions:

- (1) This device may not cause harmful interference; and
- (2) This device must accept any interference received, including interference that may cause undesirable operation.

And this device meets the applicable industry Canada technical specifications.

The FCC responsible party is Daikin Comfort Technologies Manufacturing, Inc., and may be contacted by calling (713)-861-2500, or at 19001 Kermier Rd., Waller, TX 77484. (www.daikinac.com)

This equipment complies with FCC radiation exposure limits. To ensure compliance, human proximity to the antenna shall not be less than 7-7/8 inch (20 cm) during normal operations.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

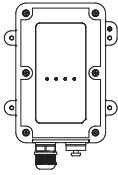
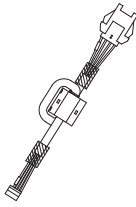
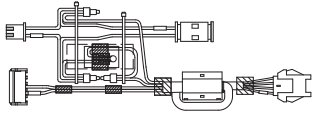
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1 Before Installation

Accessories

Check that the following accessories are included.

Name	HERO Simple Edge	Conversion harness (VRV Emerion Series onward)	Conversion harness (VRV-IV Series)	
Quantity	1 pc.	1 pc.	1 pc.	
Shape				

Name	Fall prevention wire	Fall prevention wire fixing screw	Installation manual (this document)	Cable ties
Quantity	1 pc.	1 pc.	1 copy	5 pcs.*
Shape				

* All accessories may not be used depending on the outdoor unit to be installed.



WARNING

HERO Simple Edge SIM card must be activated before applying power to the device.

Failure to do this will cause up to a 5-hour delay in connecting to the Daikin HERO Cloud Service.



CAUTION

- Accessories are required for installation work. Please keep them safe, and do not lose them.
- Also, please ask the customer to keep the manual after the installation work is completed.

Field Supplied Parts (NOT Included)

The following parts are required when wiring to the outdoor unit.
Please prepare by acquiring them locally.

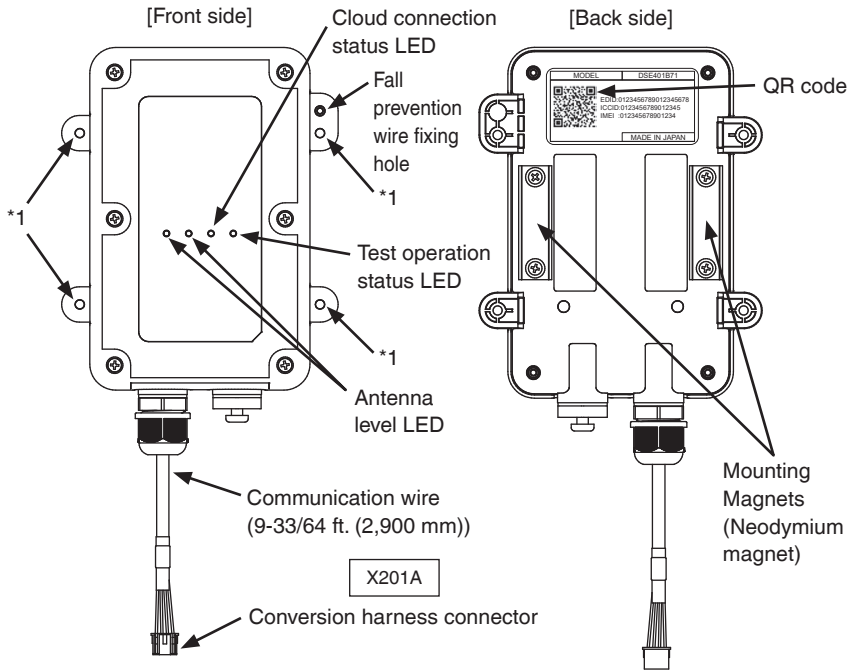
Name	Wire securing brackets
Quantity	2 pcs.
Shape	

* For wire securing brackets, use something with the following properties.

- Something made for outdoor use which is weather resistant
- Something with no burrs or edges
- Something fixed with double-sided tape

2 Names of parts

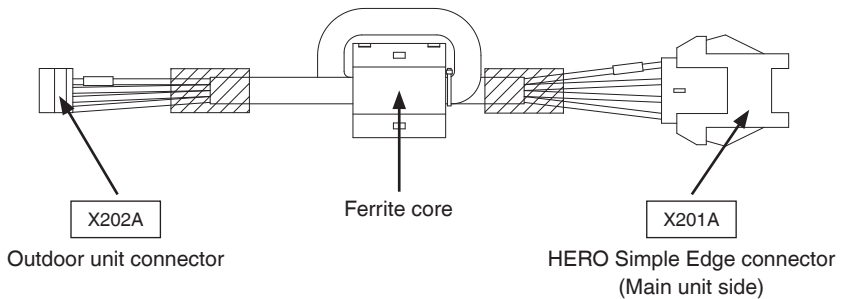
HERO Simple Edge



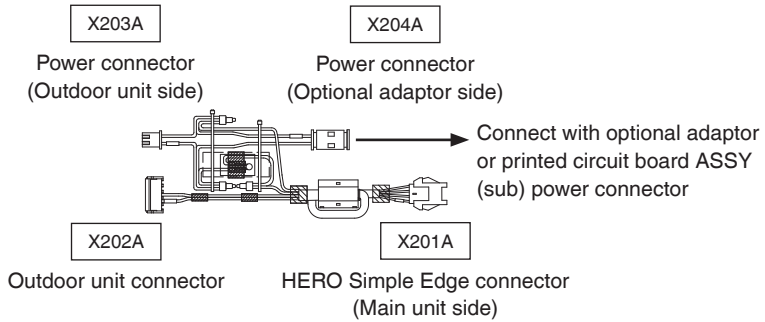
***1 Not used when installing on an outdoor unit.**
When installing on the main unit, do not make holes in the outdoor unit.

Conversion harness

[VRV Emerion Series onward]



[VRV-IV Series]



[About HERO Simple Edge LED display]

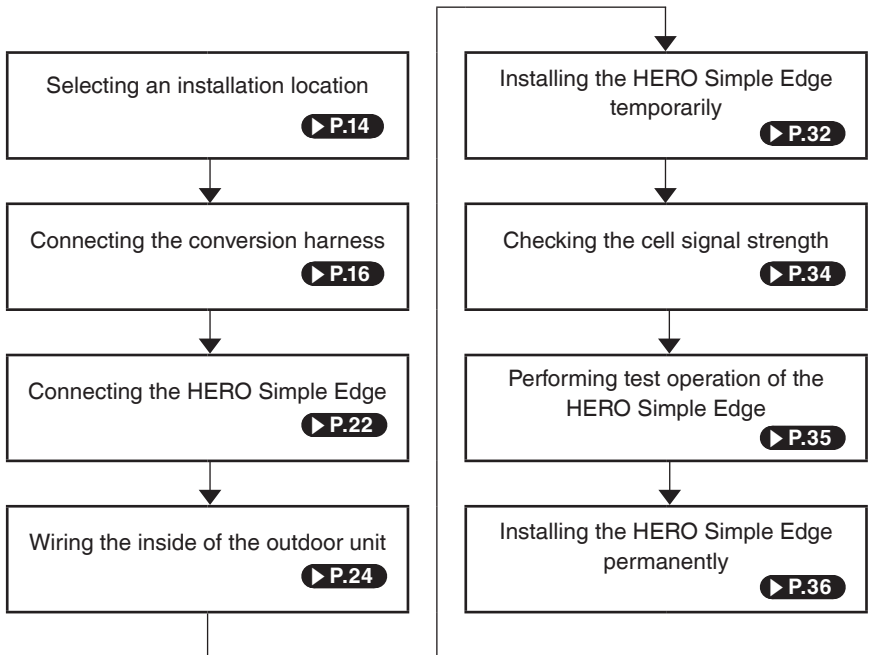


LED display

LED name	LED color	Name	Explanation
ANT1	Orange	Antenna level	Cell signal reception display
ANT2	Orange		
CLD	Green	Cloud connection	Cloud connection status display
RUN	Green	Test operation	Test operation status display

3 Installation process

Install the HERO Simple Edge in accordance with the following flowchart.



4 Selecting an installation location



CAUTION

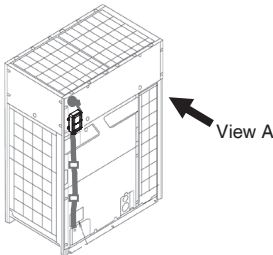
This product performs wireless communication. Do not install in an environment surrounded by metal, as metal interferes with radio waves.

Select an installation location satisfying the following requirements with approval of the customer.

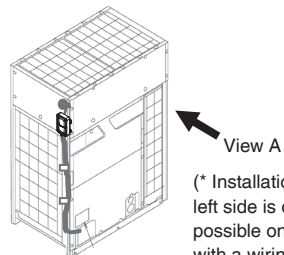
- (1) Install on the outer panel of the outdoor unit (installing on the front of the outdoor unit is recommended).
- (2) As shown in the figure below, make sure that there is a space of 19-11/16 inch (500 mm) or more from the installation surface to the nearest obstacle.
- (3) Install vertically to the ground (the radio wave environment changes depending on the installation angle).

Installation location example

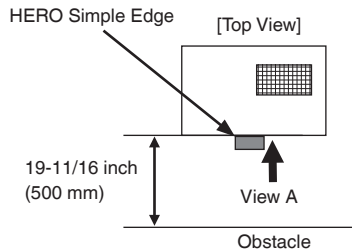
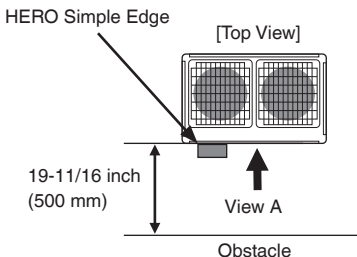
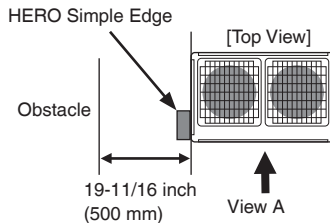
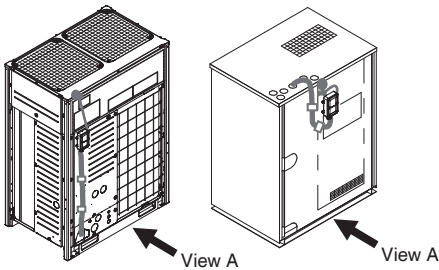
(1) Front



(2) Left side



(* Installation on the left side is only possible on models with a wiring outlet at the bottom left)



**CAUTION**

If this product is installed in an area high in salt, the magnet may rust.

**CAUTION**

Do not install in locations such as the following.

- (1) Do not install on the top surface of the outdoor unit
 - May cause a loss of waterproofness.
 - It may not be able to communicate with cloud services.
- (2) Do not install near the air outlet
 - The heat in the outlet air* may cause deformation or malfunction.
* Make sure that heat in the outlet air does not affect the unit by installing an airflow direction adjustment plate or windbreak plate.
- (3) Do not install inside the outdoor unit
 - This product performs wireless communication. If it is installed in an environment surrounded by metal, the metal will block the radio waves and communication with cloud services will not be possible.
- (4) Do not attach the outdoor unit mounting magnets in a place where the surface is uneven
 - The unit can become easily detached from the outdoor unit.
- (5) Do not install in places exposed to chemicals
 - May cause damage and a loss of waterproofness.

5 Installing the HERO Simple Edge



Prohibited

- When installing the HERO Simple Edge, turn off the power supply of the outdoor unit before starting work.



CAUTION

- When installing on an existing outdoor unit, since shutting off the power supply will prevent monitoring and control from the centralized controller and other company's equipment, be sure to obtain the customer's approval before proceeding with the installation work.

5.1 Connecting the conversion harness

- Connect the conversion harness to the outdoor unit.



CAUTION

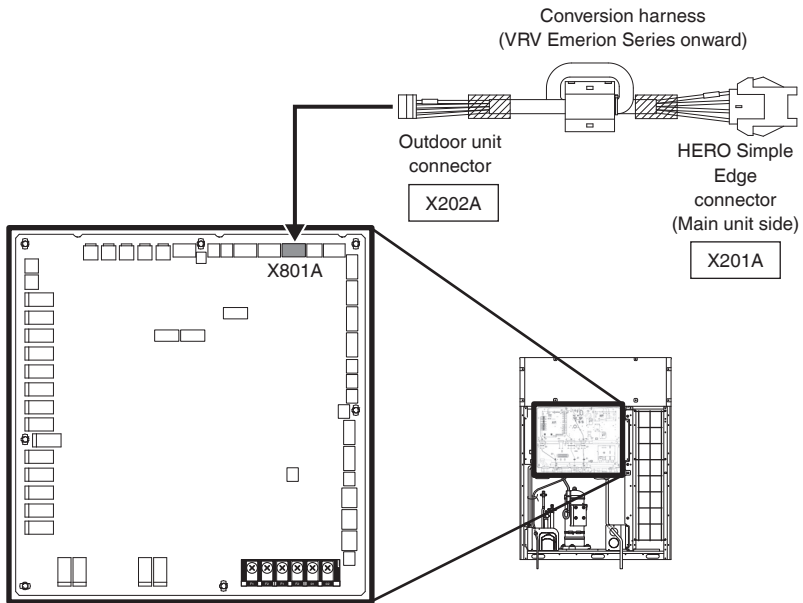
- Remove the outer panel of the outdoor unit according to the removal procedure outlined in the installation manual and service guide for each model.
- Do not remove the ferrite core.
(Comply with the emission limits.)

VRV Emerion Series onward

Connect the conversion harness (VRV Emerion Series onward).

- (1) Connect the outdoor unit connector (X202A) of the conversion harness to the communication connector (X801A) of the outdoor unit printed circuit board.

■ Connection example: VRV Emerion [REYQ-A]



VRV-IV Series

Connect the conversion harness (VRV-IV Series).

- (1) Connect the outdoor unit connector (X202A).

Connect the outdoor unit connector (X202A) of the conversion harness to the communication connector (**X27A, X32A, or X41A**) of the outdoor unit printed circuit board.

- (2) Connect the power connector (X203A).

Connect the power connector (X203A) of the conversion harness to the power connector (**X24A or X37A**) of the outdoor unit printed circuit board.

***Only when installing on VRV-T [RWEQ-T]**

First, unplug the printed circuit board ASSY (sub) power connector.

***Only when an optional adaptor is installed to the outdoor unit**

Power for the main unit and various optional adaptors is supplied from the same connector on the outdoor unit printed circuit board.

Therefore, when installing an optional adaptor alongside the main unit, disconnect the power connector of the optional adaptor from the outdoor unit printed circuit board.

(3) Protect the power connector (X204A).

The power connector (X204A) is not used when an optional adaptor is not also installed. To prevent the connector from coming into contact with the board, take measures such as protecting it with vinyl tape.

***When installed in combination with an optional adaptor**

- a. Remove the connector cover of the conversion harness. Dispose of the connector cover.



- b. Connect the power connector of the optional adaptor removed from the outdoor unit printed circuit board to the power connector (X204A) of the conversion harness.

(Only when installing on VRV-T [RWEQ-T])

Connect the power connector (X204A) with the printed circuit board ASSY (sub) power connector.

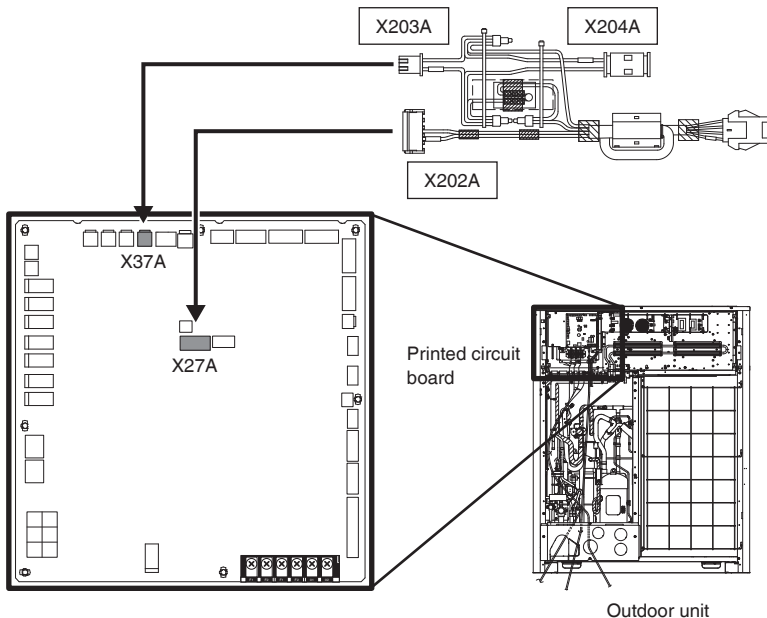
- c. After turning on the outdoor unit, be sure to check the continuity and operation of the optional adaptor.



CAUTION

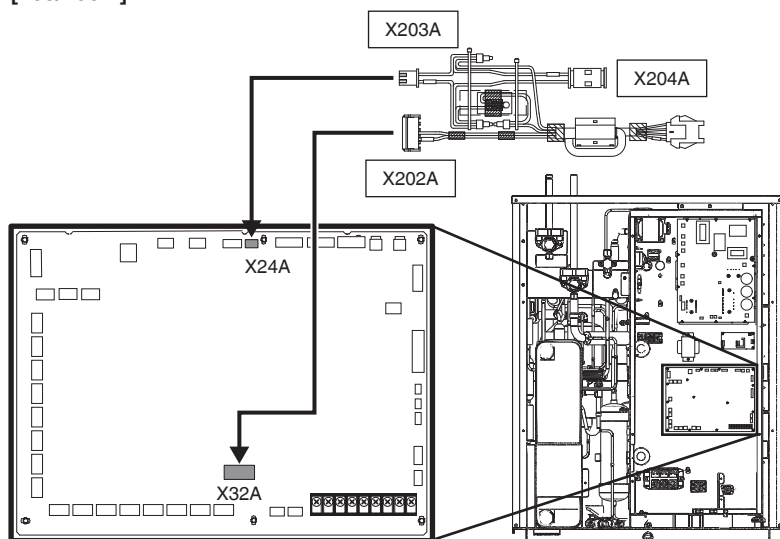
Do **NOT** install the VRV-T (RWEQ-T) in combination with an optional adaptor, for example, External control adaptor for outdoor unit.

■ **Connection example: VRV-IV X [REYQ-X]**

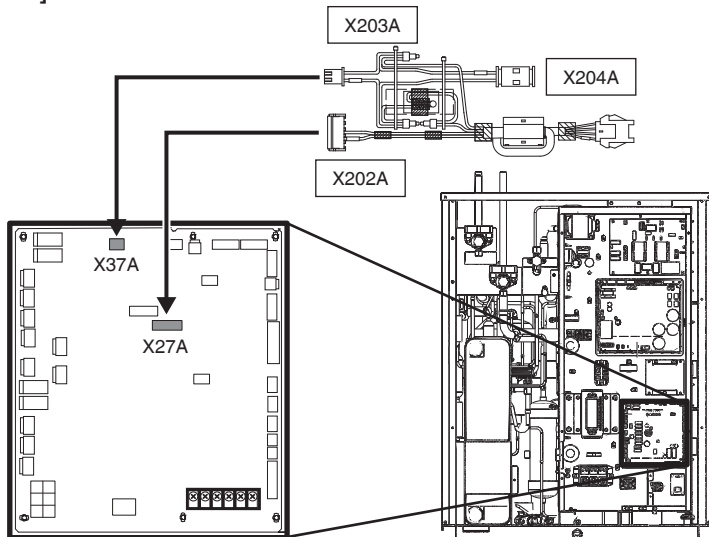


■ Connection example: VRV-WIV [RWEYQ-P]

[208/230 V]

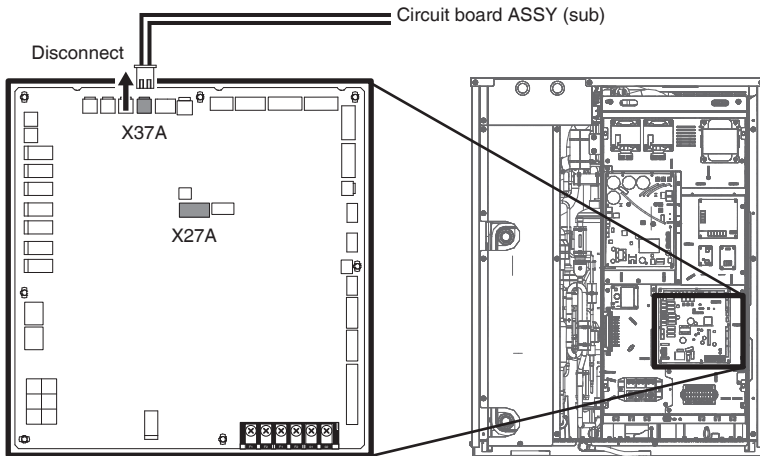


[460 V]

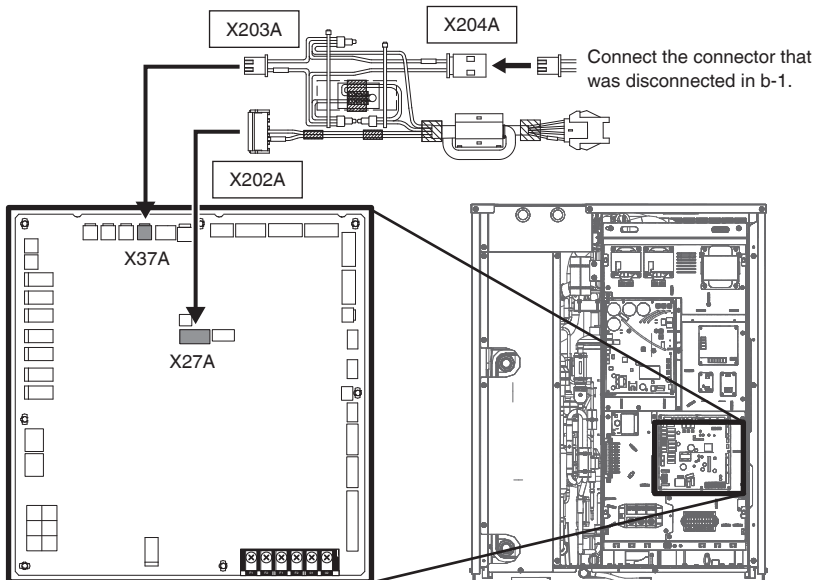


■ Connection example: VRV-T [RWEQ-T]

b-1.



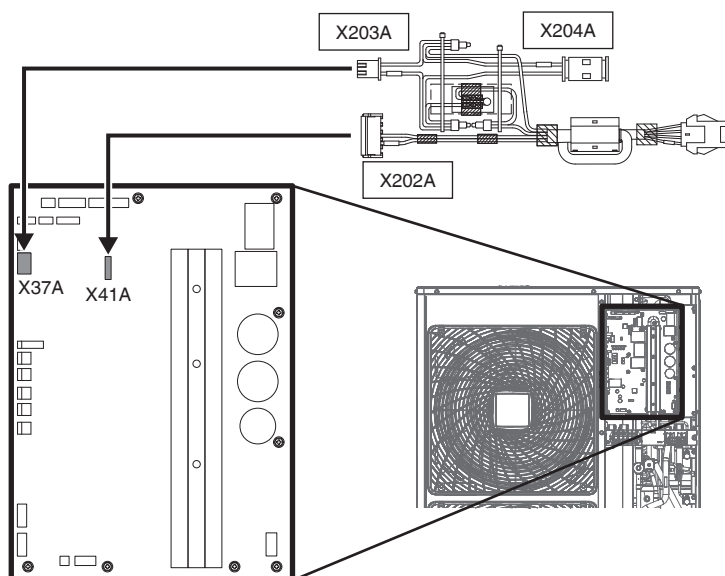
b-2.



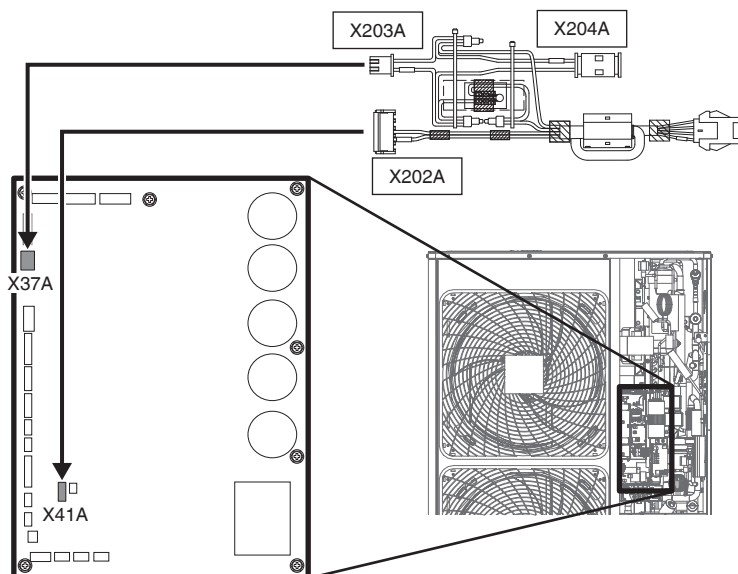
CAUTION

Do **NOT** install the VRV-T (RWEQ-T) in combination with an optional adaptor, for example, External control adaptor for outdoor unit.

■ Connection example: VRV4-S [RXTQ-TAVJUA]

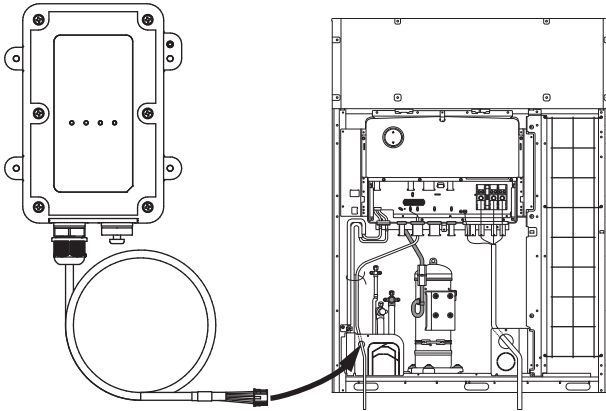


■ Connection example: VRV3-S [RXMQ-PVJU]

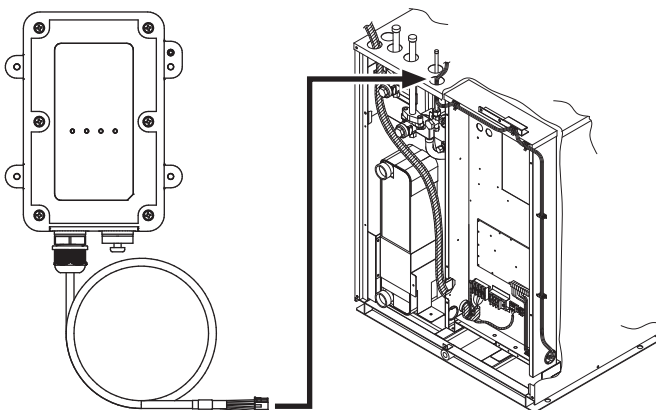


5.2 Connecting the HERO Simple Edge

- Connect the HERO Simple Edge to the conversion harness.
- (1) Pass the communication wire of the HERO Simple Edge through the wiring outlet of the outdoor unit.

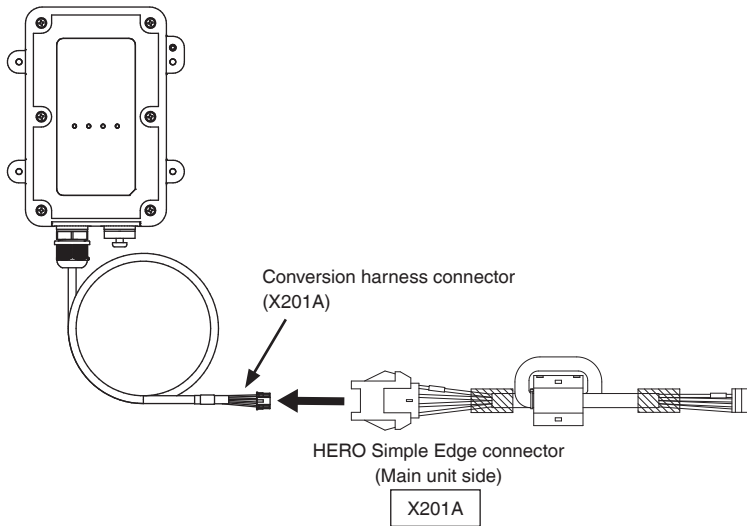


- Where necessary, cut to make a slit hole, using nippers or similar.
- After making the slit hole, remove burrs and apply a repair coating to the edges and surrounding edge surfaces to prevent corrosion.
- When passing the communication harness through the slit hole, protect it using a conduit, bushing, etc., to prevent damage from the edges.
- After passing the wires through, be sure to close any gaps with putty or other sealant (field supplied).
- For details on making the slit hole, refer to the installation manual for the outdoor unit.
- When installing on VRV-WIV [RWEYQ-P] or VRV-T [RWEQ-T], pass the wiring through from above.

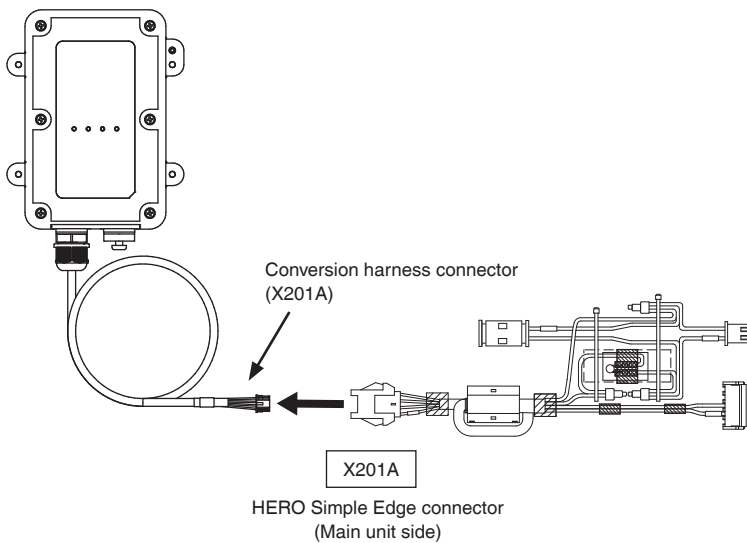


- (2) Connect the conversion harness connector (X201A) to the HERO Simple Edge connector (Main unit side) (X201A).

VRV Emerion Series onward



VRV-IV Series



5.3 Wiring the inside of the outdoor unit

- Refer to the figure below when wiring.



Maintain a gap of 1-31/32 inch (50 mm) or more between the communication wire and the power supply cable/earth wire.



WARNING

HERO Simple Edge SIM card must be activated before applying power to the device.

Failure to do this will cause up to a 5-hour delay in connecting to the Daikin HERO Cloud Service.



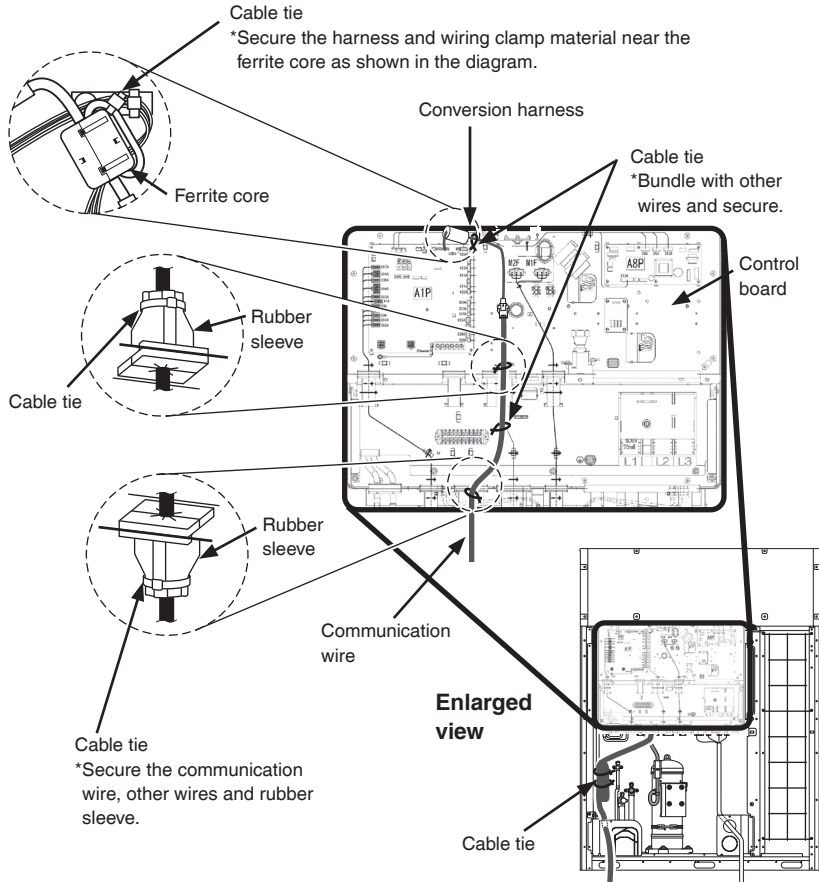
CAUTION

After the wiring work is completed, make sure that the connector of each electrical part in the control box is connected and that all screws on the terminal block are tight.

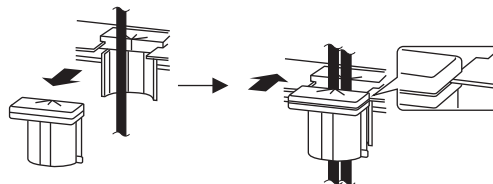
- (1) Install the conversion harness in the control box and secure it with cable ties.
 - Be sure to install in the control box.
 - Wrap a cable tie around the ferrite core to fix it securely and prevent it from touching other connection terminals or metal parts.
 - So that tension is not applied to the connector, use a cable tie to fix the ferrite core securely to the wiring clamp material closest to the connector.
 - The harness of HERO Simple Edge should not cut across the control board.
- (2) Secure the communication wire to the wiring clamp material that secures the lead wire of the outdoor unit.
- (3) Using a cable tie, secure the communication wire in at least 1 place to the wiring clamp material and the outdoor unit.
- (4) Install the control box and outer panel of the outdoor unit in their original positions.

[Internal wiring example for VRV Emerion Series]

■ Wiring example: VRV Emerion [REYQ-A]



How to pass wire through the rubber sleeve:



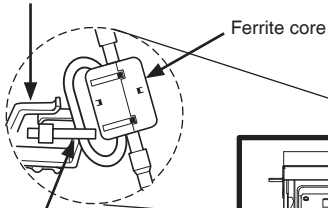
Remove the rubber sleeve (detachable portion) and bundle with other wires and secure.

- Route wiring so that it does not come into contact with the high temperature pipes.
- Install the control box and outer panel of the outdoor unit in their original positions.

[Internal wiring example for VRV-IV Series]

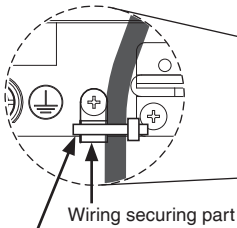
■ Wiring example: VRV-IV [REYQ-X]

Wiring clamp material



Cable tie

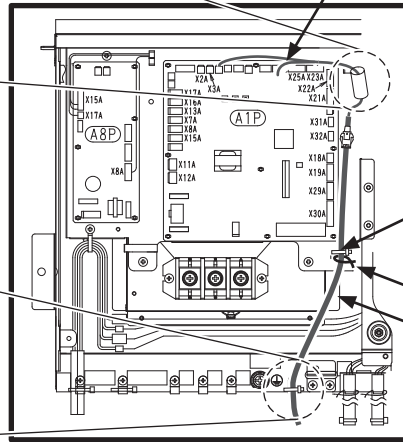
*Secure the harness and wiring clamp material near the ferrite core as shown in the diagram.



Cable tie

*Remove the existing cable tie, bundle with other wires and secure to the wiring securing part.

Conversion harness

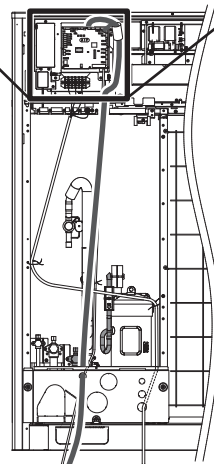


Cable tie

*Bundle with other wires and secure.

Wiring clamp material

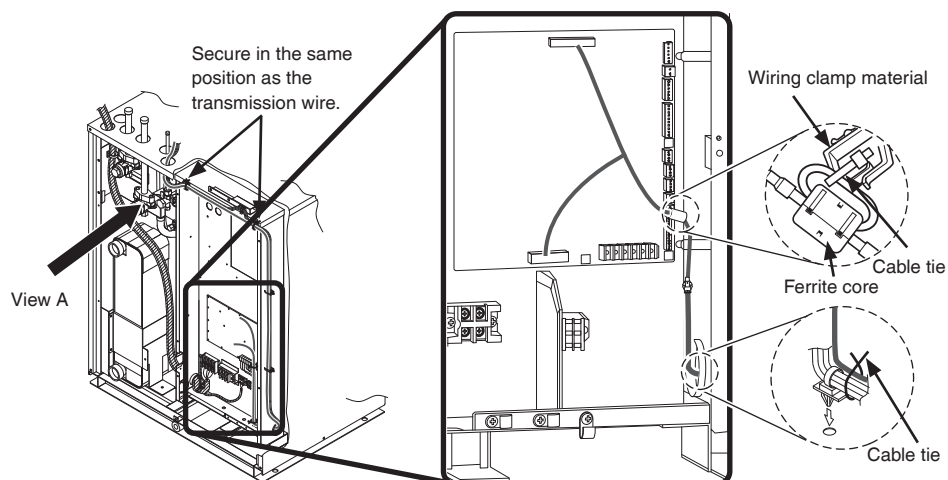
Communication wire



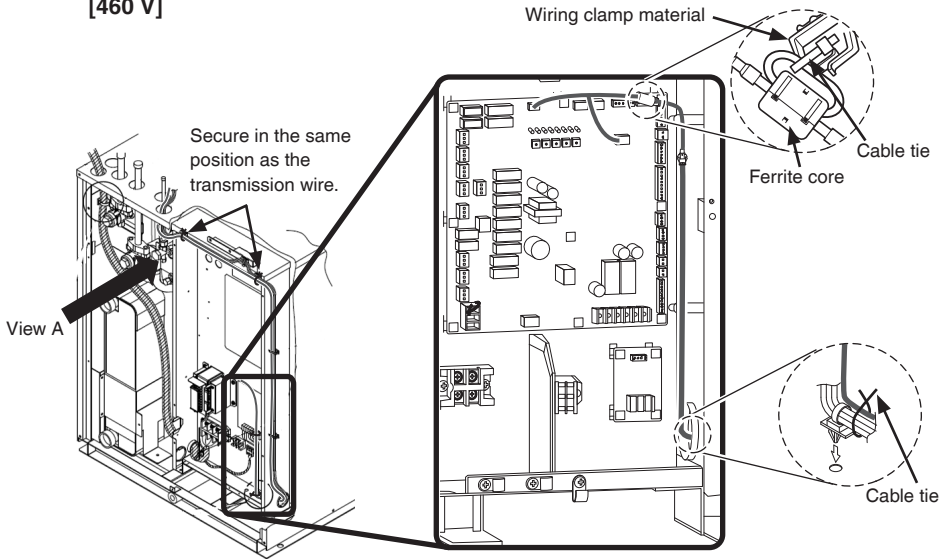
- Route wiring so that it does not come into contact with the high temperature pipes.

■ Wiring example: VRV-WIV [RWEYQ-P]

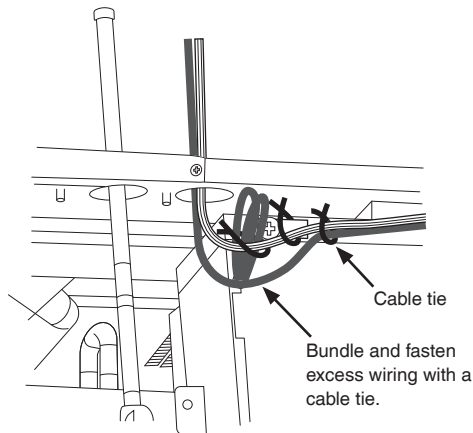
[208/230 V]



[460 V]



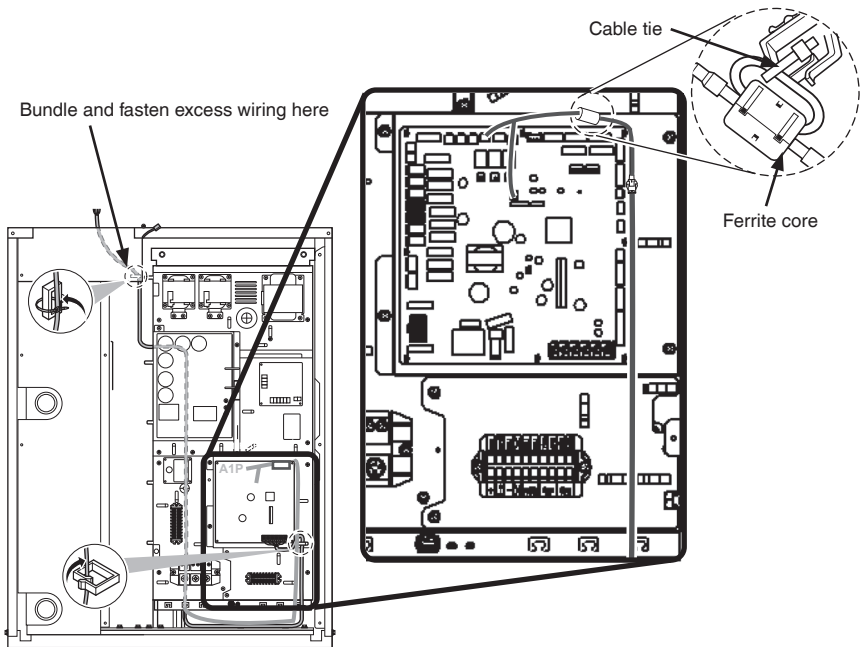
View A



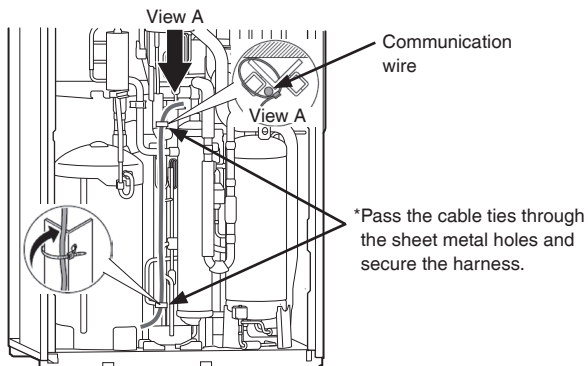
- Route wiring so that it does not come into contact with the high temperature pipes.

■ Wiring example: VRV-T [RWEQ-T]

[Front side]

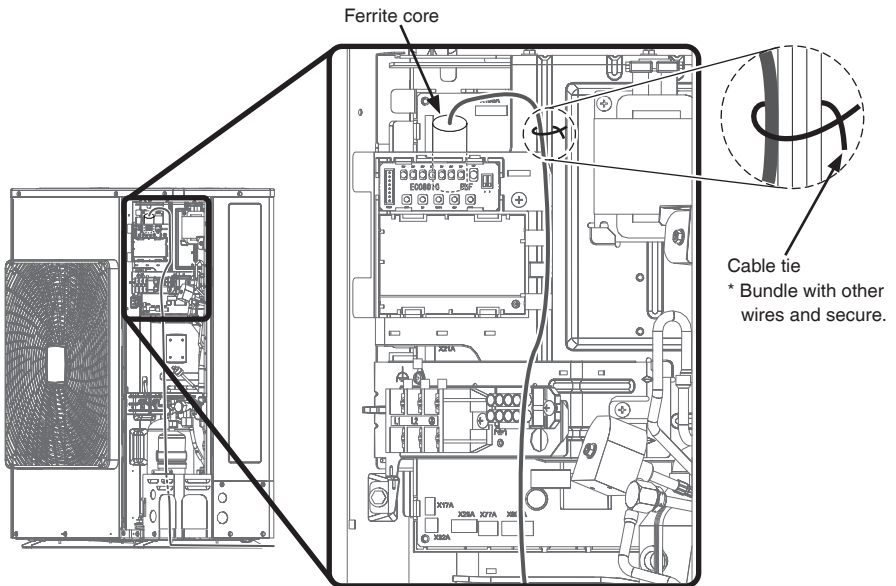


[Back side]

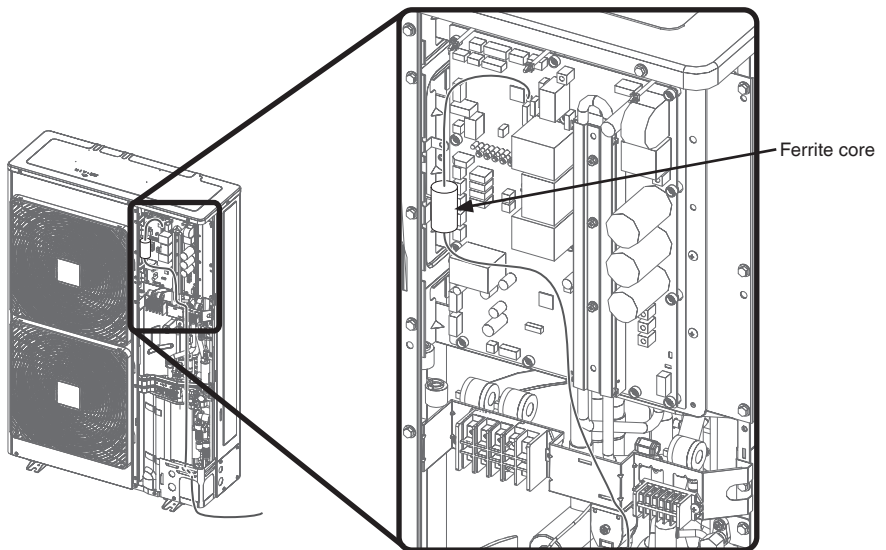


- Route wiring so that it does not come into contact with the high temperature pipes.

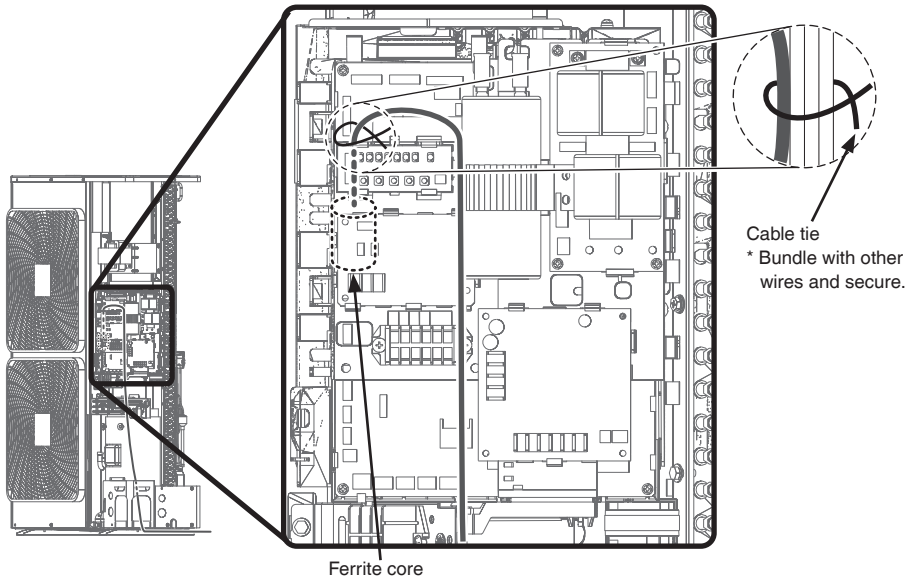
■ Wiring example: VRV4-S [RXTQ-TAVJU (3 ton)]



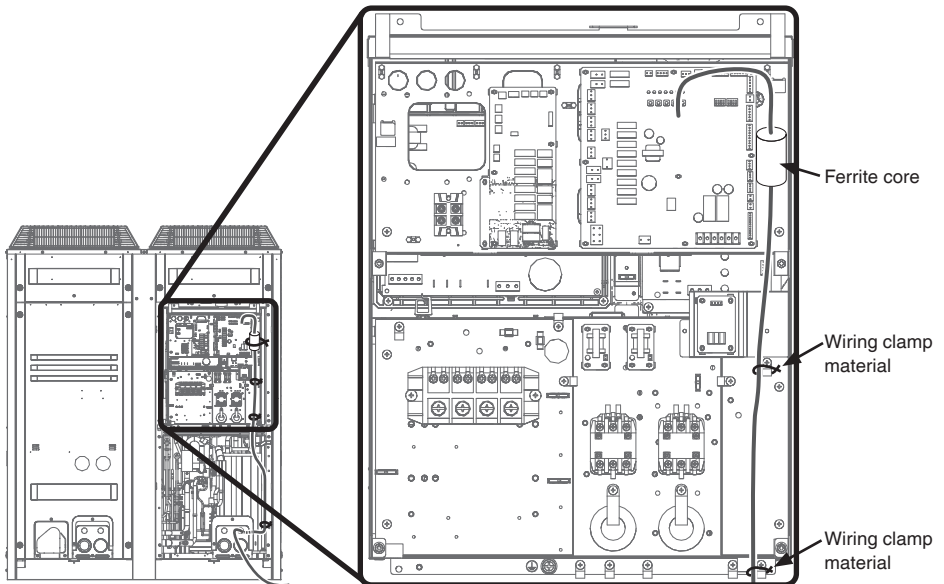
■ Wiring example: VRV4-S [RXTQ-TAVJU (4 ton, 5 ton)]



■ Connection example: VRV3-S [RXVMQ-PVJU]



■ Connection example: VRV3 H/R [REYQ-PTJU]



5.4 Installing the HERO Simple Edge temporarily



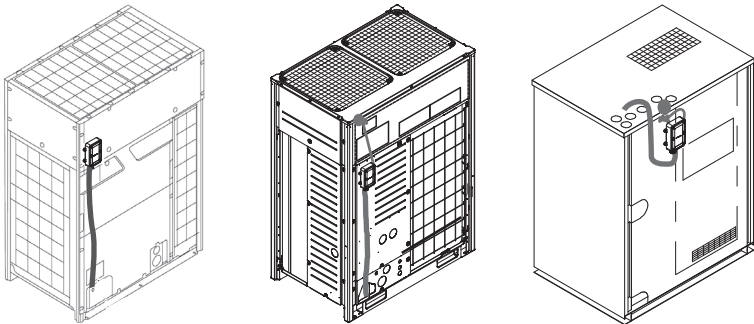
WARNING

HERO Simple Edge SIM card must be activated before applying power to the device.

Failure to do this will cause up to a 5-hour delay in connecting to the Daikin HERO Cloud Service.

- Install the unit on the outdoor unit temporarily at the planned installation location.
- (1) Remove the protective tape from the magnets for installing on the outdoor unit.
- (2) Temporarily install the unit on the outdoor unit according to the following installation location example.
 - Before securing wiring on the outside of the outdoor unit, check the cell signal reception of the HERO Simple Edge and perform test operation.
 - Install the HERO Simple Edge vertically to the ground. If it is not installed vertically to the ground, for example, if it is installed sideways, cellular reception may become bad.
- (3) After temporary installation, turn on the power supply to the outdoor unit and perform test operation of the HERO Simple Edge.

[Installation location example]



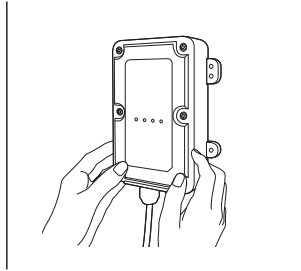
* To remove the unit from the outdoor unit, follow the procedure below.



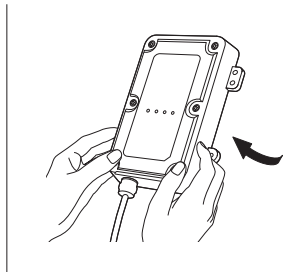
CAUTION

After installing this product on the outdoor unit, do not slide it side-to-side to move it. The outdoor unit or the magnets for installing on the outdoor unit may be scratched and rust.

- (1) Hold the bottom surface of the unit with both hands.



- (2) Slowly lift the unit and remove it from the outdoor unit.



6 Performing test operation of the HERO Simple Edge



WARNING

HERO Simple Edge SIM card must be activated before applying power to the device.

Failure to do this will cause up to a 5-hour delay in connecting to the Daikin HERO Cloud Service.

- Associate the HERO Simple Edge with the customer's property (via test operation).

6.1 Checking the cell signal strength

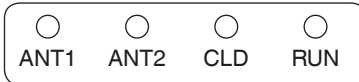
- The HERO Simple Edge is equipped with a cellular communication function. Install it in an environment with a good cell signal strength to communicate with the cloud.



CAUTION

- With the HERO Simple Edge installed in the installation location, check cell signal strength.
The cell signal changes due to the influence of metal objects such as the outer panel of the outdoor unit and obstructions.
- If a device that relays radio waves from a mobile phone line is installed nearby, cellular reception signal may be reduced.

- Turn on the power supply to the outdoor unit.
Make sure the HERO Simple Edge starts up properly (all 4 LEDs light up for 5 seconds).



NOTE

- If the 4 LEDs of the HERO Simple Edge do not light up, refer to “Troubleshooting”.

- Wait for **about 3 minutes** until ANT1 and ANT2 light up.
- Make sure that the antenna level LED of the HERO Simple Edge is displaying **“2 (Good)” or better**.

LED display ●: Unlit ○: Lit ◐: Blinking ●◐: Unlit or Lit/Blinking

Antenna level	Cell signal strength	Cell signal reception				Usability in installation location
		ANT1	ANT2	CLD	RUN	
3	Very good	○	○	●	●	OK
2	Good	○	●	●	●	OK
1	Weak	●	○	●	●	(NOTE 1)
0	Out of service area	●	●	●	●	No (NOTE 2)

(NOTE 1)

If the antenna level is 1 (Weak), changing the installation location is recommended.

(NOTE 2)

If the antenna level is 0 (Out of service area), change the installation location.

* Antenna level is updated at 5 second intervals.

6.2 Performing test operation of the HERO Simple Edge

- Register the HERO Simple Edge in the cloud.



CAUTION

- Prepare a device such as a PC, smart phone or tablet with INTERNET connection to register the HERO Simple Edge.

Register the HERO Simple Edge from the following URL.

<https://www.daikinhero.com>



- During test operation of the HERO Simple Edge, the cloud connection status LED (CLD) and the test operation status LED (RUN) will be as follows.

LED display ●: Unlit ○: Lit ◐: Blinking

Test operation status	ANT1	ANT2	CLD	RUN	How to respond
(1) Connecting to the cloud	○	○	◐	◐	



(2) Cloud connection completed	○	○	○	◐	If CLD does not light up, refer to "Troubleshooting".
--------------------------------	---	---	---	---	---



(3) Performing test operation	○	○	○	◐	
-------------------------------	---	---	---	---	--



(4) Restarting the HERO Simple Edge	○	○	○	○	All LEDs will light up for 5 seconds.
-------------------------------------	---	---	---	---	---------------------------------------



(5) Test operation completed	○	○	○	○	If RUN does not light up, refer to "Troubleshooting".
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* In the example, the antenna level is shown as 3 (Very good).

- When both CLD and RUN LEDs light up, test operation is completed.

7 Installing the HERO Simple Edge permanently

■ How to attach the wire securing brackets (NOT included)

When attaching the wire securing brackets to the outdoor unit, follow the procedure below.

- (1) Wipe the mounting surface of the outdoor unit with a clean cloth.
- (2) Peel off the tape backing, being careful not to touch the adhesive surface of the wire securing bracket.
- (3) Attach the wire securing bracket to the mounting surface of the outdoor unit, and press firmly with your thumb for at least 5 seconds.
- (4) Make sure that the wire securing bracket is securely fixed, and then wire the communication wire.

■ Wiring method to the outside of the outdoor unit

- (1) After performing test operation of the HERO Simple Edge, check again that the cell signal condition is good.
 - (2) Secure the communication wire coming from the wiring outlet of the outdoor unit in 2 places using wire securing brackets.
 - Do not make holes in the outdoor unit to secure the wire with screws.
 - Install the wire securing brackets so that the communication wire exposed on the outside the unit is divided into 3 equal parts.
 - Any remaining length of communication wire should be **bundled and stored in the outdoor unit**.
 - (3) Attach the fall prevention wire to the unit.
 - Use the fall prevention wire fixing screw.
 - * Tightening torque: 5.31 lbf-in (0.6 N-m)
 - (4) Secure the fall prevention wire to the outer panel of the outdoor unit using one of the panel screws.
 - Tighten together with the outer panel of the outdoor unit. (See the next page.)
 - Attach it to a location above the unit.

(If it is attached below the unit, the unit may be damaged due to dropping.)
- * Be sure to attach the fall prevention wire to prevent the unit from being blown away by heavy winds.

[External wiring example]**■ Wiring example: VRV Emerion [REYQ-A]**

Fall prevention wire

- * Attach to a location above the unit using the panel screw.

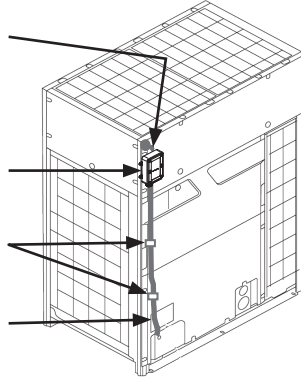
Main unit

- * Do not make holes in the outdoor unit
- * Be sure to not attach upside down.

Wire securing brackets

Communication wire

- * Excess communication wire should be bundled and fit inside the outdoor unit.

**■ Wiring example: VRV-IV [REYQ-X]**

Fall prevention wire

- * Attach to a location above the unit using the panel screw.

Main unit

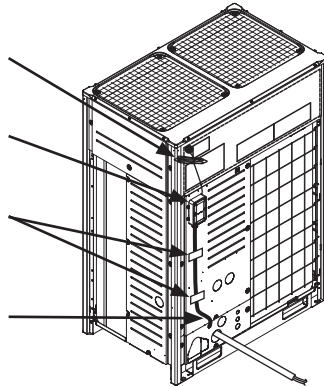
- * Do not make holes in the outdoor unit.
- * Be sure to not attach upside down.

Wire securing brackets

- * Fasten the communication wire to the wire securing brackets using the cable ties.

Communication wire

- * Excess communication wire should be bundled and fit inside the outdoor unit.

**■ Wiring example: VRV-WIV/VRV-T [RWEYQ-P/RWEQ-T]**

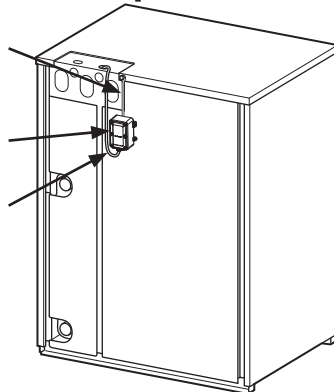
Fall prevention wire

- * Attach to a location above the unit using the panel screw.

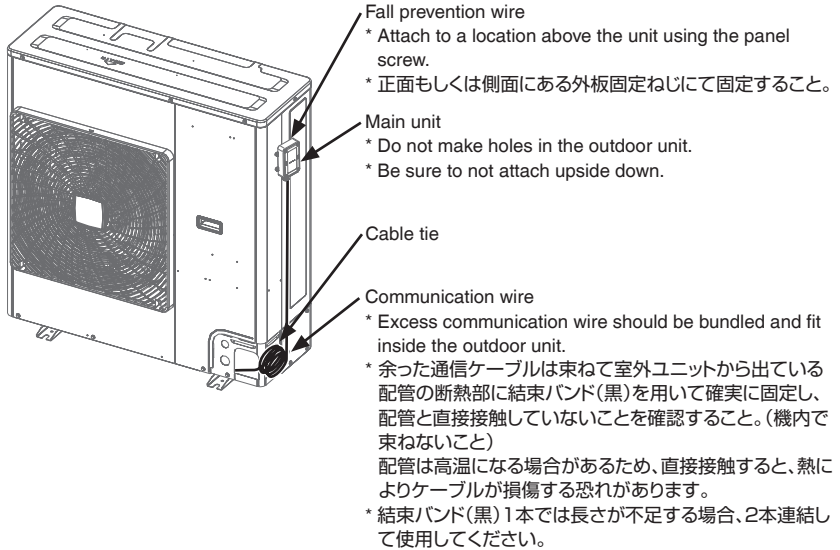
Main unit

- * Do not make holes in the outdoor unit.
- * Be sure to not attach upside down.

Communication wire

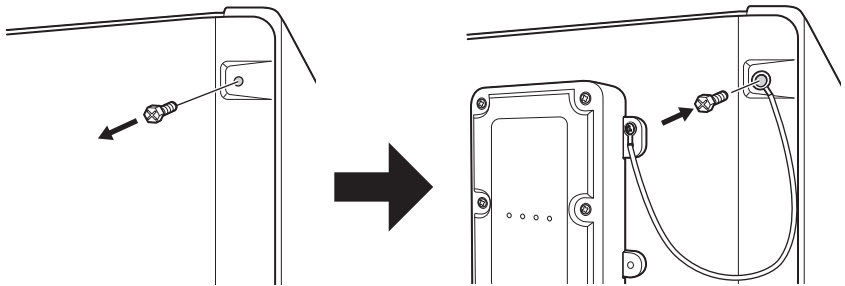


■ Wiring example: VRV4-S [RXTQ-TAVJU]



* How to joint tighten the fall prevention wire

Tighten and secure the outdoor unit outer panel together with the fall prevention wire using the outdoor unit panel screw.



8 Troubleshooting

	Problem	How to respond
HERO Simple Edge test operation	When the power supply of the outdoor unit is turned on, the LED doesn't light up	● Is the conversion harness properly connected to the outdoor unit? (1) Make sure that the outdoor unit connector (X202A) of the conversion harness and the HERO Simple Edge connector (Main unit side) (X201A) are connected properly. (2) Make sure that the harness of HERO Simple Edge is not broken. (3) If the conversion harness is connected properly, there is a possibility that the HERO Simple Edge is defective. Replace the HERO Simple Edge.
	The antenna level LED does not light up/blink	● Make sure that the installation location is within a communication service area. • If you are outside the communication service area, installation is not possible. ● There is a possibility that the cell signal strength is weak, such as because the HERO Simple Edge is covered by an obstacle or metal. • Change the installation location and then check if the antenna level LED blinks/lights up. ● If you take the measures noted above but the situation still does not improve, please contact our sales representative.

	Problem	How to respond
HERO Simple Edge test operation	The cloud connection status LED keeps blinking	● Check the cell signal strength. • If the antenna level is 1 or worse, communication cannot be performed normally. Change the installation location to a location where the antenna level is 2 or better and install. ● If you take the measures noted above but the situation still does not improve, please contact our sales representative.
	Won't connect to the cloud	● If HERO Simple Edge was powered up before the SIM card was registered wait up to 5 hours and try to connect again.
	The test operation status LED keeps blinking or is unlit	● Make sure that the device information is correctly registered in the cloud service. • Make sure that the registered device information and the installed device match. If they do not match, correct the registered device information and perform test operation again. ● Is the antenna level 1 or worse? • Change the installation location to a location where the antenna level is 2 or better, then perform test operation again. ● Is the HERO Simple Edge connected to the main outdoor unit? • If it is connected to a sub outdoor unit, test operation can not be completed. Reconnect to the main outdoor unit and perform test operation again. ● Is the conversion harness properly connected? • If communication with the outdoor unit is not correct, test operation can not be completed. Make sure that the conversion harness is connected properly, then perform test operation again.

