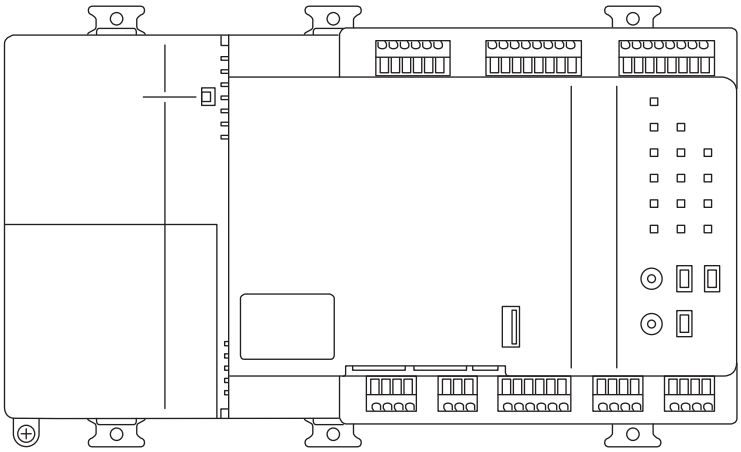
DAIKIN

Installation Manual

Model : DGE601B71

Daikin HERO Pro Edge



3P764225-2D

Disclosure

To the User in USA

Part 15 of FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

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.

The FCC responsible party is Daikin Comfort Technologies North America, Inc. and may be contacted by calling (855)-324-5461, or at 19001 Kermier Rd., Waller, TX 77484. (www.daikinac.com)

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

To the User in CANADA

CAN ICES-003(B)/NMB-003(B)

This Class B digital apparatus complies with CAN ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Safety Considerations

All phases of the field-installation, including, but not limited to, electrical, piping, safety, etc. must be in accordance with manufacturer's instructions and must comply with national, state, provincial and local codes.

Read these **SAFETY CONSIDERATIONS** carefully before installing the unit.
After completing the installation, ensure that the unit operates properly during the startup operation.
Train the customer to operate and maintain the unit. Inform customers that they should store this Installation Manual with the User's Manual for future reference.
Always use a licensed installer or contractor to install this product. Improper installation can result in electrical shock, fire, or explosion.
Meanings of **WARNING**, **CAUTION**, and **NOTE** Symbols.

⚠ **WARNING**	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠ **CAUTION**	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
⚠ **NOTE**	Indicates situations that may result in equipment or property-damage accidents only.

⚠ **WARNING**
• **Only qualified personnel must carry out the installation work.**
• **Consult your Daikin dealer regarding relocation and reinstallation of the unit.** Improper installation work may result in electric shocks or fire.
• **Install the unit in accordance with the instructions in the installation manual.** Improper installation may cause electric shocks or fire.
• **Use only specified accessories and parts for installation work.** Failure to use specified parts may result in electric shocks, fire, or the unit falling.
• **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.
• **Before touching electrical parts, turn off the unit.**
• **Do not disassemble, reconstruct, or repair.** Electric shock or fire may occur.
• **Make sure that all wiring is secured, that specified wires are used, and that no external forces act on the terminal connections or wires.** Improper connections or installation may result in fire.

⚠ CAUTION

- **Keep water out of the unit.**
- **To avoid electric shock due to entry of water or insects, fill the wiring through-hole with putty.**
- **Do not wash the unit with water as it may result in electrical shocks or fire.**

- **Do not touch the unit buttons with wet fingers.**
  Touching the buttons with wet fingers can cause an electric shock.

- **Do not install the unit in the following locations:**

(a) Where a mineral oil mist or oil spray or vapor is produced, for example, in a kitchen.
Plastic parts may deteriorate and fall off.

(b) Where corrosive gas, such as sulfurous acid gas, is produced.

(c) Near machinery emitting electromagnetic waves.
Electromagnetic waves may disturb the operation of the control system and cause the unit to malfunction.

(d) Where flammable gas may leak, where there is carbon fiber or ignitable dust suspensions in the air, or where volatile flammables such as thinner or gasoline are handled.
Operating the unit in such conditions can cause a fire.

(e) High temperature area or directly flamed point.
Heating and/or fire can occur.

(f) Moist area, where there is exposure to water.
If water enters the inside of the unit, it may cause electric shock and electrical components may fail.

⚠ NOTE

- **Install the control wires for the unit at least 3.5 ft. (1 m) away from televisions or radios to prevent image interference or noise.**
  Depending on the radio waves, a distance of 3.5 ft. (1 m) may not be sufficient to eliminate the noise.

Contents

How to read this manual

In this manual, the following names are used in explanations.
Corresponding model names are also listed.

DⅢ Plus Adapter : DGE601A72
DⅢ Plus SLOT : DGE601A53
DⅣ Plus Adapter : DGE601A54
DⅣ Plus UNIT : DGE601A75

1 Before Installation

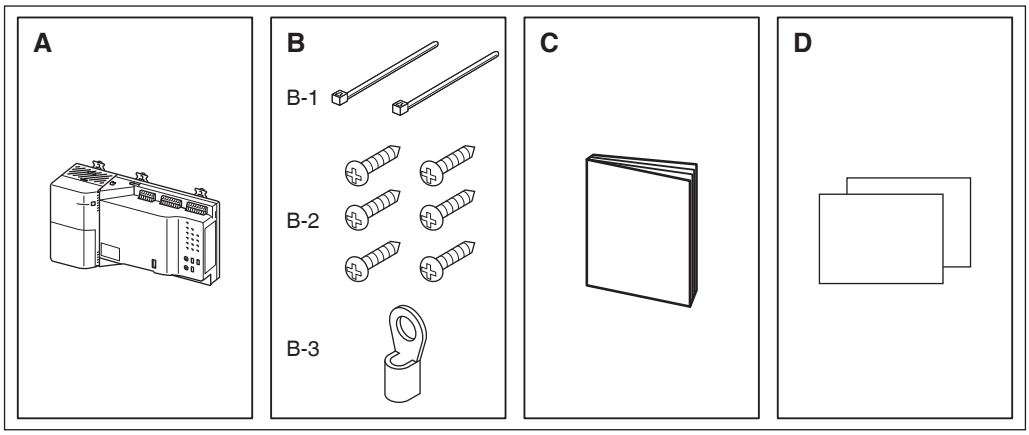
Before you start installing, make the following preparatory checks.

- Check that the Daikin HERO Pro Edge came with all accessories.
- Confirm where the terminals and switches of the Daikin HERO Pro Edge are located.
- Check that an appropriate space for installing the Daikin HERO Pro Edge is available.
- Check for mounting type DIN rail or screw mounting. DIN rail thickness is 1-3/8 in. (35 mm).

1.1 Checking that all accessories are included

Based on the following accessory list, check that all accessories for the Daikin HERO Pro Edge are included.
If there is any missing or defective parts, contact the DAIKIN dealer where you purchased the product.

<Accessories included with Daikin HERO Pro Edge>



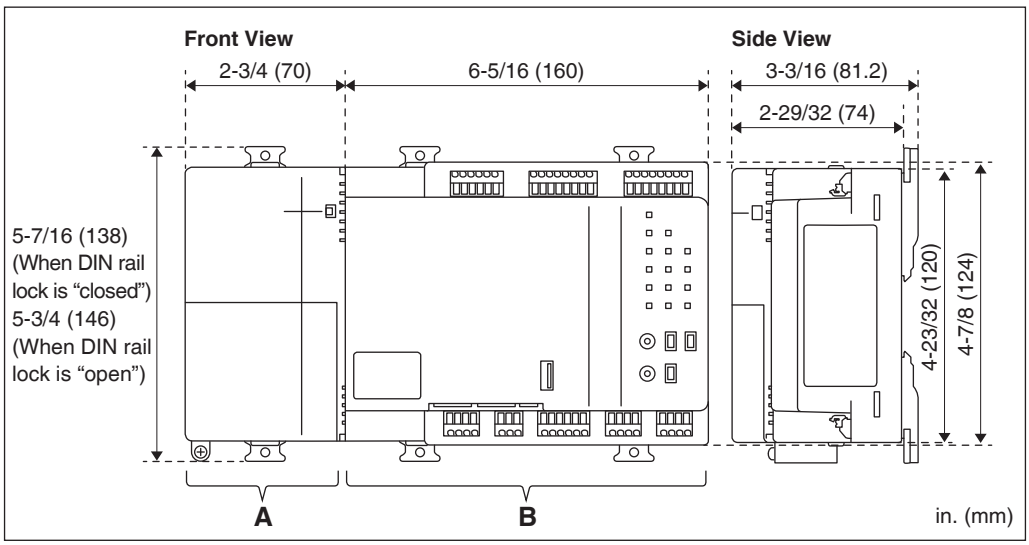
A Daikin HERO Pro Edge, 1 pc.

B (B-1) Zip ties for securing the power supply cable, 2 pcs.
(B-2) Wood screw (1/8 in. (3 mm) diameter x 19/32 in. (15 mm) length) for securing the body, 6 pcs.
(B-3) Ring type crimp style terminal (2-M4), 1 pc.

C Installation manual (This manual), 1 pc.

D Operation manual (Regarding copyright), 2 pcs.

1.2 External dimensions



A Power supply unit

B Main unit

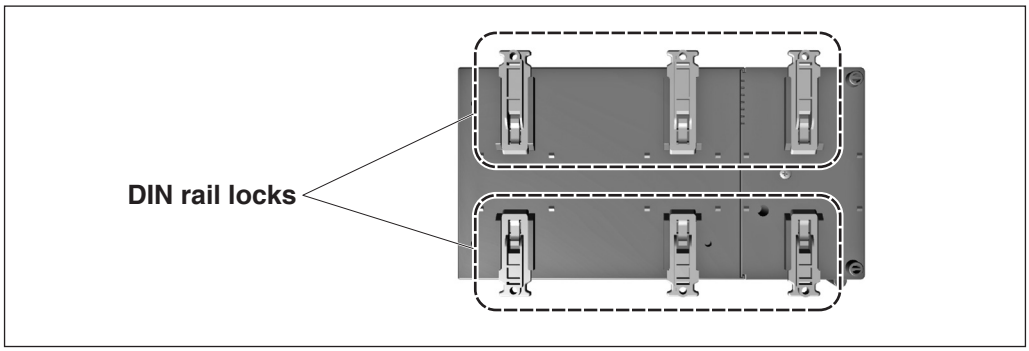
1.3 Part names and functions

For wiring specifications and other details on wiring work, refer to **“3 Electrical Wiring”**.

1.3.1 Rear face

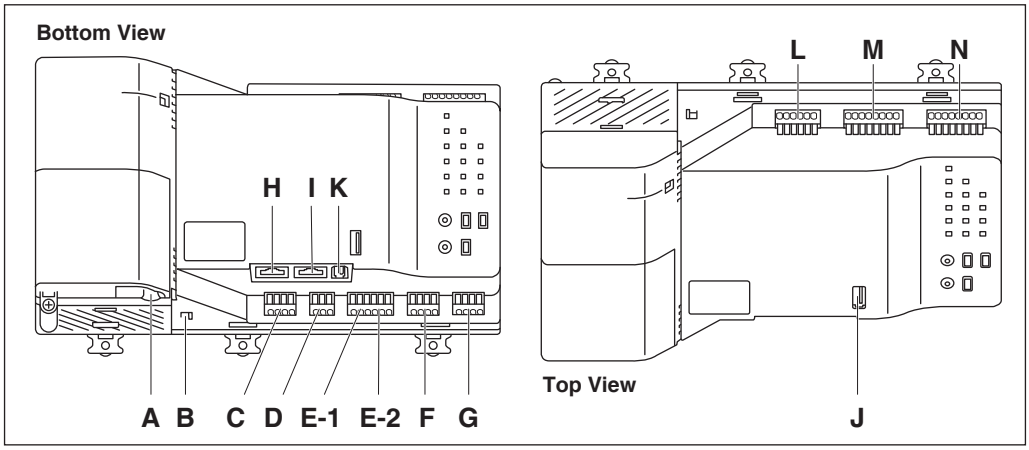
On the rear face of the Daikin HERO Pro Edge there are DIN rail locks for use when installing on a DIN rail.

<Rear face>



1.3.2 Front face

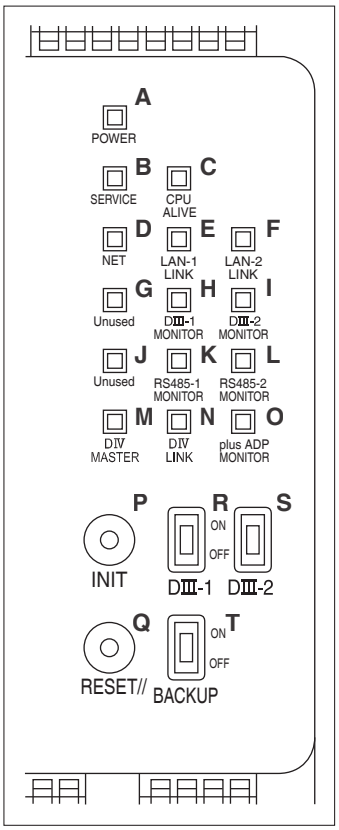
<Daikin HERO Pro Edge>



Name and explanation of each part

Symbol	Name	Explanation
A	Intake for power supply cable	Intake for power supply cable.
B	Inter-unit lock	Knob for locking the power supply unit and main unit.
C	[DⅣ] terminal	Connection terminal for DⅣ-NET communication line and Daikin air conditioner. Connecting both or one of the DⅣ Plus Adapter or DⅣ Plus UNIT will allow for the control of more air conditioners.
D	[plus ADP IF] terminal	Terminal for connecting DⅢ Plus Adapter for when you want to control more air conditioners.
E-1	[RS-485] terminal	Terminal for connecting to a WAGO I/O modules.
E-2	[RS-485] terminal	Terminal for connecting open network (option).
F	[DⅢ-1] terminal	Terminals for connecting to the **"DⅢ-NET"** communication line, for communication with the DAIKIN Heating, ventilation and air conditioning equipment.
G	[DⅢ-2] terminal	
H	[LAN-1] terminal	Ethernet port for connecting to the Daikin Cloud.
I	[LAN-2] terminal	Ethernet port for connecting to the local BACnet/IP network.
J	[USB-1] terminal	Unused.
K	[USB-2] terminal	
L	[Do] terminal	Used when controlling a device that can be operated by an external signal input.
M	[Di 1-4] terminal	Terminals for connecting measuring instrument capable of external contact input or pulse output.
N	[Di 5-8] terminal	

<LEDs and switches>



Explanation of each part

Symbol	Name	LED (Color)	Explanation
A	[POWER] LED	Green	Indicates power is turned ON/OFF. Lit: Power is turned ON Unlit: Power is turned OFF
B	[SERVICE] LED	Green	Indicates that the registration of the Daikin HERO Pro Edge in the cloud is complete and that service has started. Unlit: Waiting for service to begin, or service has been stopped Lit: Normal operation
C	[CPU ALIVE] LED	Green	Indicates that the Daikin HERO Pro Edge is operating normally. Blinking: Normal
D	[NET] LED	Green	Indicates the cloud connection status. Unlit: Stopped/Error Lit: Normal
E	[LAN-1 LINK] LED	Green	Indicates that the hardware connection between the Daikin HERO Pro Edge and equipment connected to the LAN is in a normal state. (LAN-1) Lit: Connected Blinking: Transmitting or receiving data
F	[LAN-2 LINK] LED	Green	Indicates that the hardware connection between the Daikin HERO Pro Edge and equipment connected to the LAN is in a normal state. (LAN-2) Lit: Connected Blinking: Transmitting or receiving data

Symbol	Name	LED (Color)	Explanation
G	[Unused] LED		Unused.
H	[DⅢ-1 MONITOR] LED	Orange	Blinks when data is being transmitted or received over the DⅢ-NET communication line. (DⅢ-1) Blinking: Transmitting or receiving data
I	[DⅢ-2 MONITOR] LED	Orange	Blinks when data is being transmitted or received over the DⅢ-NET communication line. (DⅢ-2) Blinking: Transmitting or receiving data
J	[Unused] LED		Unused.
K	[RS485-1 MONITOR] LED	Orange	Indicates communication status of RS485. (RS485-1) Lit: Transmitting or receiving data
L	[RS485-2 MONITOR] LED	Orange	Indicates communication status of RS485. (RS485-2) Lit: Transmitting or receiving data
M	[DⅣ MASTER] LED	Yellow	Lights up upon becoming the communication MASTER of the DⅣ-NET communication network. Even when this light is off, DⅣ-NET communication is possible if the DⅣ LINK LED is lit. Lit: Master Unlit: Terminal
N	[DⅣ LINK] LED	Orange	Lights up when connected to the DⅣ-NET communication network. Light is off when it is not connected to the DⅣ-NET communication network. Lit: Connected Unlit: Not connected
O	[plus ADP MONITOR] LED	Orange	Indicates communication status of DⅢ Plus Adapter. Lit: Transmitting or receiving data
P	[INIT] switch		Unused.
Q	[RESET//] switch		Push switch for forced restart of the Daikin HERO Pro Edge.
R	[DⅢ-1] switch		Switch for changeover of DⅢ-NET MAIN/SUB. (DⅢ-1) ON: MAIN OFF: SUB
S	[DⅢ-2] switch		Switch for changeover of DⅢ-NET MAIN/SUB. (DⅢ-2) ON: MAIN OFF: SUB
T	[BACKUP] switch		Switch that turns the power of the set backup battery ON/OFF.

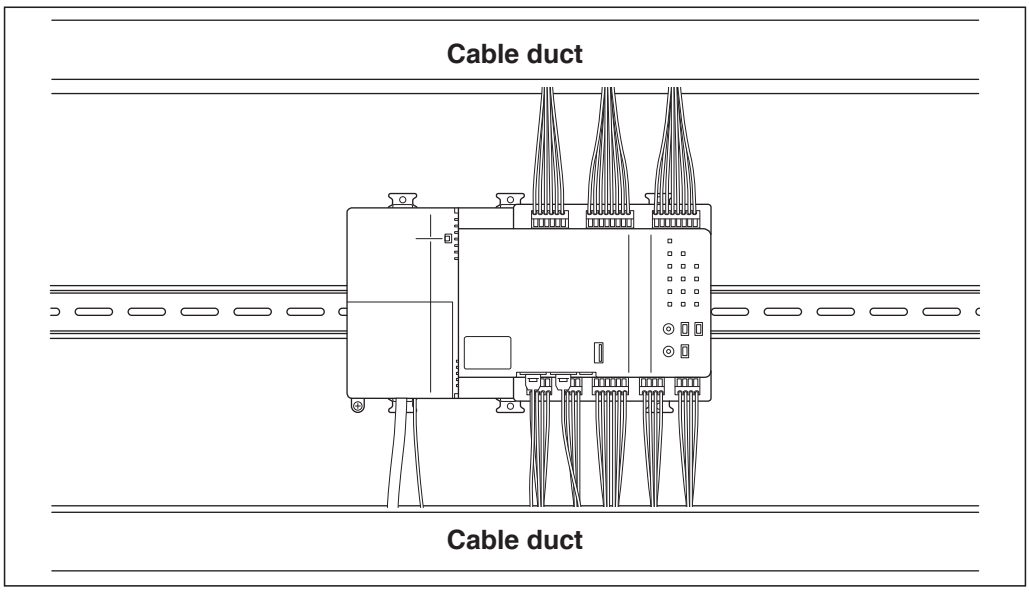
NOTE

The [DⅣ MASTER] LED will turn off when an outdoor unit is connected as the outdoor unit will become the MASTER.

1.3.3 Wiring of cables

For an example of Daikin HERO Pro Edge cable wiring, refer to the cable wiring diagram (example) shown below.

<Cable wiring diagram (example)>



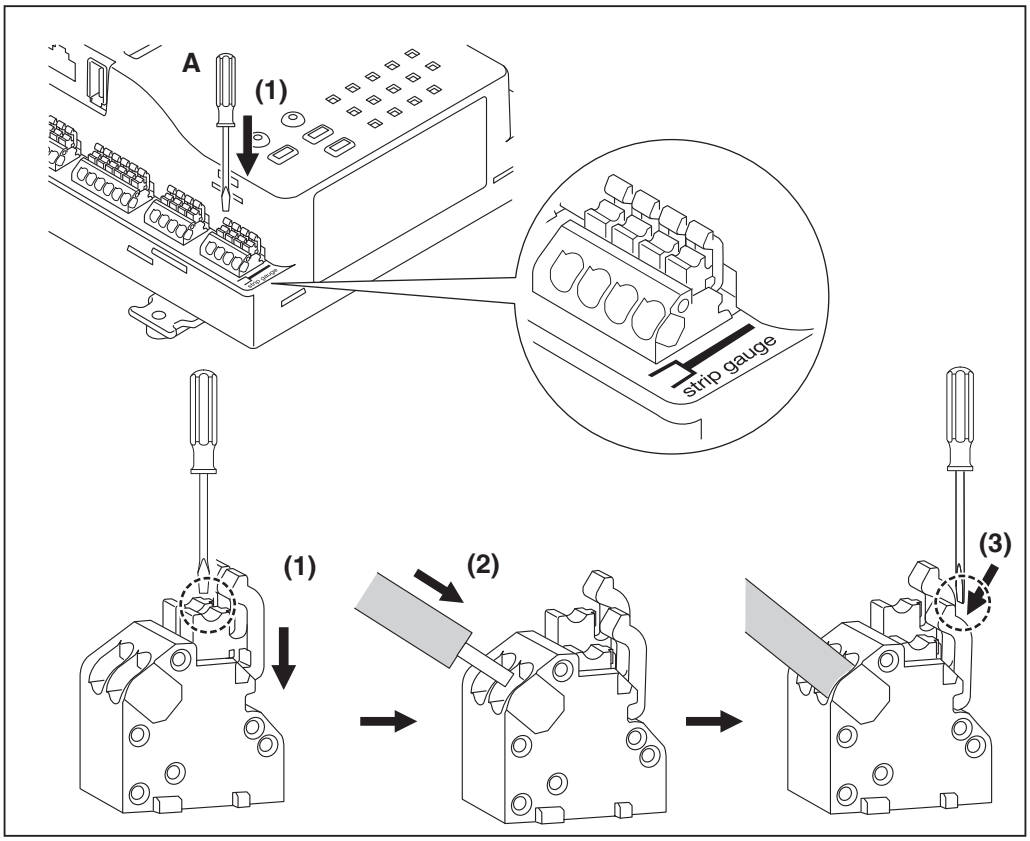
Wiring to each terminal

When wiring to **[plus ADP IF]**, **[RS-485]**, **[DⅢ-1]**, **[DⅢ-2]**, **[DⅣ]**, **[Do]**, **[Di 1-4]**, and **[Di 5-8]**, perform operations on the terminal block and carry out the wiring as shown below.

(1) Push in the opening knob with a precision flat-head screwdriver and open the insertion port.
(2) Insert the wire into the open insertion port.
(3) Move the opening knob forward and down and insert the wire.
(4) Make sure that the connected wire has not come out.

When using stranded wires, make sure that the stripped portion is not splayed, irregular or protruding from the terminal block, and not in contact with other wires.

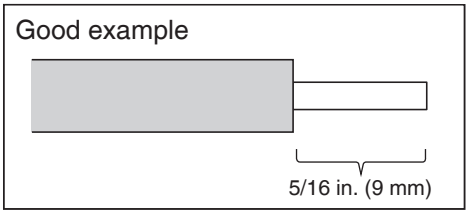
<How to wire to the terminal block>

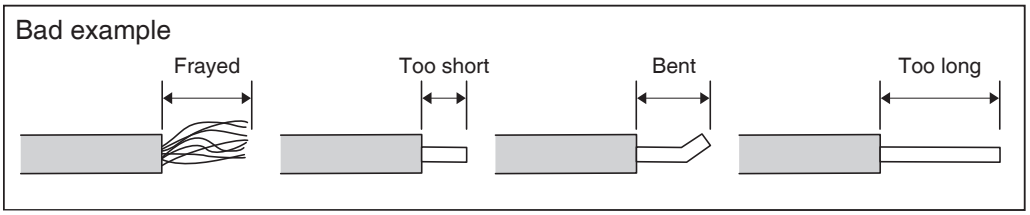


A Precision flat-head screwdriver (Maximum width of screw driver is 3/32 in. (2.5 mm))

Make the length of the stripped portion of the wire 5/16 in. (9 mm).
Refer to the **[strip gauge]** on the unit.
When stripping the wire, be careful not to scratch the finish of the exposed part of the wire.

<Wire stripping allowance>





1.4 Determining installation place

Be sure to install in a place that meets the conditions described in 1.4.1 to 1.4.3 below.

1.4.1 Installation place and mounting direction

Below are the description of the installation place and mounting direction. Be sure to confirm the requirements.

- Installation place: Indoor and inside a control enclosure (lockable, or unable to be opened without special tools) (For details, refer to **"CAUTION"** in **"Safety Considerations"**)
- Mounting direction: Vertical only

1.4.2 Environmental conditions

Check that the installation environment meets the following conditions.

- Ambient temperature : 14 to 122°F (-10 to 50°C)
- Ambient humidity : 95% RH or less (without condensation)
- Free of electromagnetic waves that could affect the operation of the Daikin HERO Pro Edge.

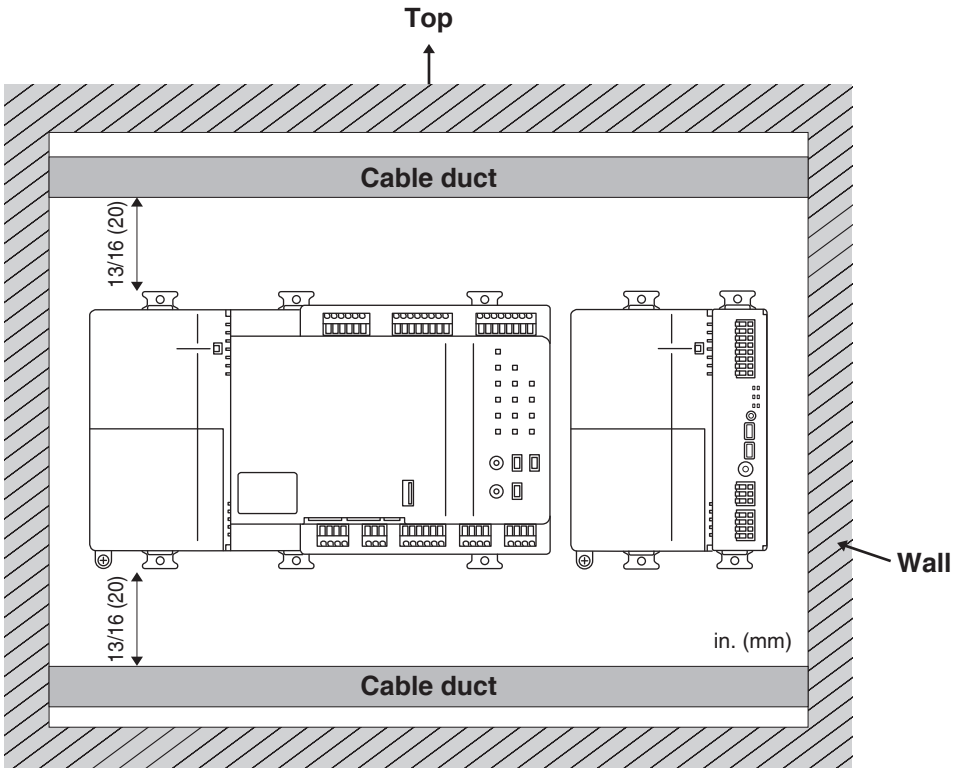
1.4.3 Required space

The figure shown below indicates the space required for installation.

- There is a minimum clearance of 13/16 in. (20 mm) from the top edge and 13/16 in. (20 mm) from the bottom edge.
- Close contact in a lateral direction is possible, if attaching a DⅢ Plus Adapter or similar.

Do not install DIN rails vertically.

<Daikin HERO Pro Edge installation space>



2 Installation

You can install the Daikin HERO Pro Edge in 2 ways.

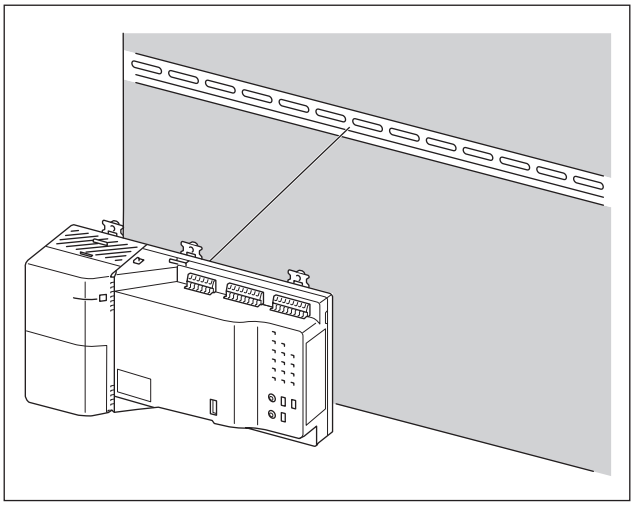
- DIN rail mounting
- Screw-mounting to control enclosure

2.1 DIN rail mounting

2.1.1 Installation procedure

Mount to a 1-3/8 in. (35 mm) DIN rail.

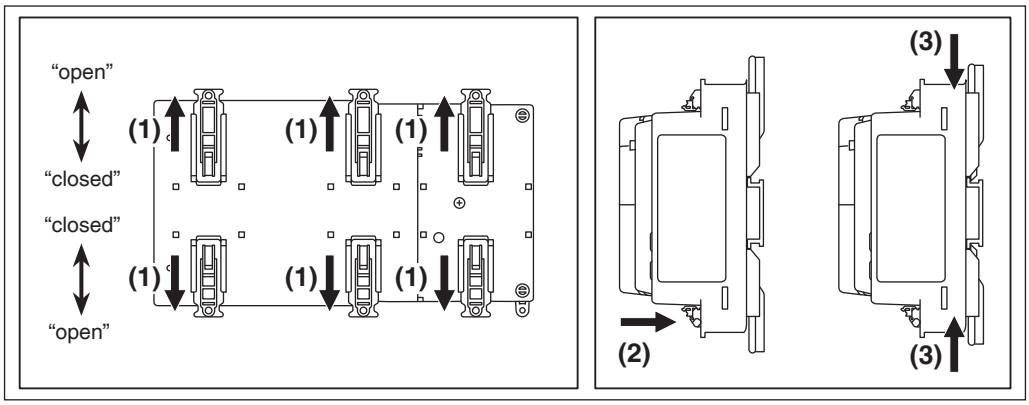
<Mounting to DIN rail>



Do not use screws to secure the unit onto the DIN rail.

(1) Set all upper and lower DIN rail locks to the “open” position.
(2) Press the Daikin HERO Pro Edge against the DIN rail.
(3) Set all upper and lower DIN rail locks to the “closed” position.

<Steps for mounting to DIN rail>



CAUTION

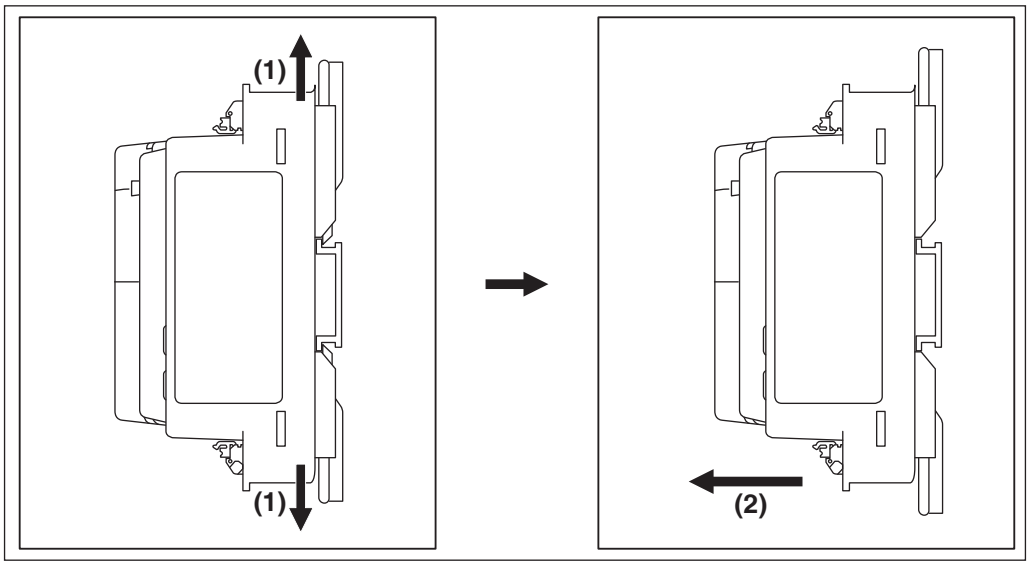
If you need to make the mounting stronger, use DIN rail fasteners.

2.1.2 Removal from DIN rail

(1) While supporting the Daikin HERO Pro Edge with your hand, set all upper and lower DIN rail locks to the “open” position.

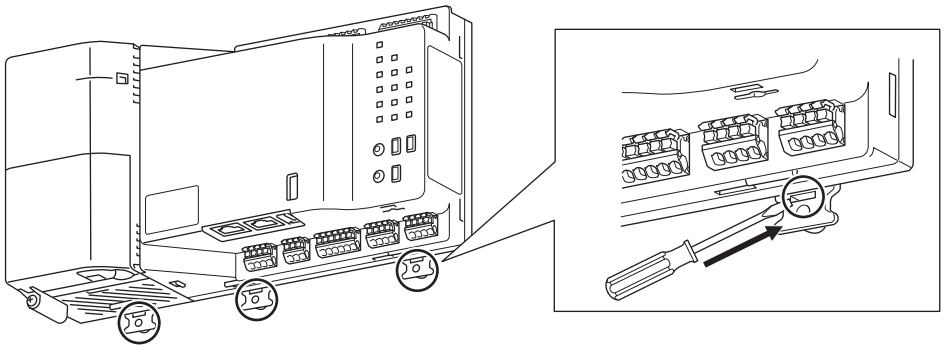
(2) Remove the Daikin HERO Pro Edge from the DIN rail.

<Steps for removal from DIN rail>



NOTE

When removing from DIN rails, if the work area is narrow and you cannot operate the DIN rail locks with your fingers, the DIN rail locks can be operated by inserting a flat-head screwdriver into the area marked with a circle.



2.2 Screw-mounting to control enclosure

Secure to the control enclosure using the 6 supplied wood screws.
When securing with screws, secure with all DIN rail locks set to the “open” position.
(For opening and closing the DIN rail locks, refer to **“2.1 DIN rail mounting”**.)

2.2.1 Accessory parts

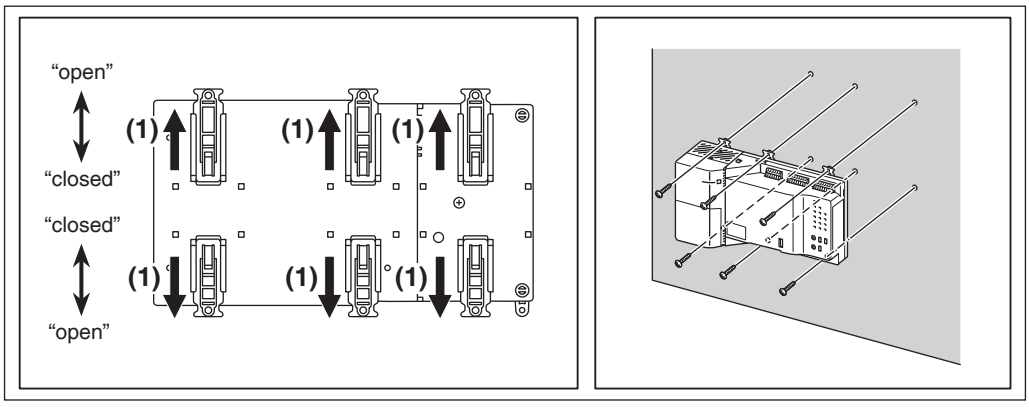
To mount to the control enclosure, use the following accessory mounting parts.

- Wood screw (1/8 in. (3 mm) diameter x 19/32 in. (15 mm) length) for securing the body, 6 pcs.

2.2.2 Installation procedure

(1) Set all DIN rail locks to the “open” position.
(2) Secure with screws through all DIN rail lock screw holes.

<Steps for mounting to control enclosure>



3 Electrical Wiring

This chapter describes the procedure for connecting the Daikin HERO Pro Edge to DAIKIN Heating, Ventilation, Air Conditioner and other equipment. In addition to air conditioners, the Daikin HERO Pro Edge can connect to a wide range of equipment. However, the required connection procedures vary depending on the equipment to be connected.

Required procedures

- 3.1 Connecting DⅢ-NET-compatible air conditioners
- 3.3.1 Connecting DⅣ-NET-compatible air conditioners
- 3.7 Connecting a LAN cable
- 3.8 Connecting the power supply

Equipment-specific procedures

- 3.2 Connecting a DⅢ Plus Adapter (DGE601A72)
- 3.3.2 Connecting DⅣ Plus Adapter (DGE601A54) or DⅣ Plus UNIT (DGE601A75)
- 3.4 Connecting a WAGO I/O module
- 3.5 Connecting an emergency stop input device or power meters
- 3.6 Connecting to equipment which inputs output contact points

⚠ WARNING

- **Do not turn on the power supply before all wire connections are completed. When there is an overcurrent circuit breaker or a local switch installed in the circuit, make sure that the circuit is securely interrupted. Otherwise, an electric shock may result.**
- **After the wiring is completed, check again that all wires are connected correctly before turning on the power supply. If not connected correctly, there is a possibility of malfunction.**
- **All wiring must be performed by an authorized electrician.**

⚠ CAUTION

Be sure to confirm that the power supply cable is not connected to anything except for the unit's power supply terminals. If the power supply cable is connected incorrectly, the air conditioner or the Daikin HERO Pro Edge will malfunction.

3.1 Connecting DⅢ-NET-compatible air conditioners

DⅢ-NET is a DAIKIN Heating, Ventilation and Air Conditioner communication protocol. Using the DⅢ-NET, you can centrally control multiple DAIKIN DⅢ-NET-compatible air conditioning devices by connecting them to your Daikin HERO Pro Edge.

⚠ WARNING

Be sure to perform the operation during power-off conditions. Not doing so may cause an electric shock.

⚠ CAUTION

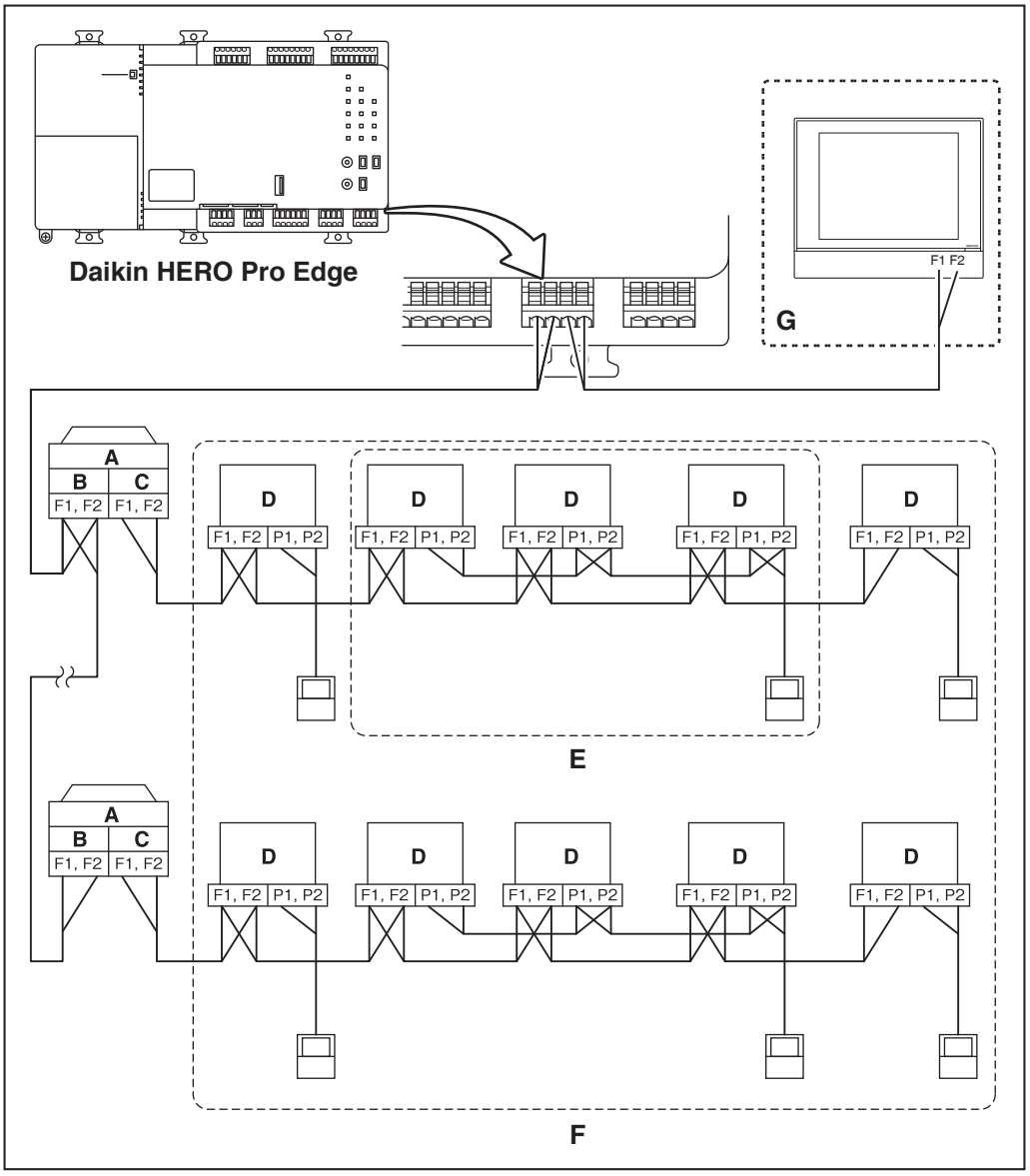
To the extent possible, route the high-current cable of the power supply cable and the low-current cable of the communication cable so that they remain separate and are not side-by-side.

3.1.1 Terminal locations and schematic connection diagram

To connect the DⅢ-NET communication line, use **[F1]** and **[F2]** terminals that are located on the front face and indicated with **[DⅢ-1]** and **[DⅢ-2]**. These 2 terminals have no polarity.

An example of connecting more than two air conditioning devices is shown in the following schematic connection diagram.

<Schematic connection diagram with air conditioners>



A Outdoor unit (Maximum of 7 outdoor systems each DⅢ-NET communication line)

B OUT - OUT communication (terminal)

C IN - OUT communication (terminal)

D Indoor unit

E A maximum of 16 indoor units can be connected to 1 remote controller group.

F A remote controller group can connect a maximum of 64 groups (64 indoor units) to each DⅢ-NET communication line.

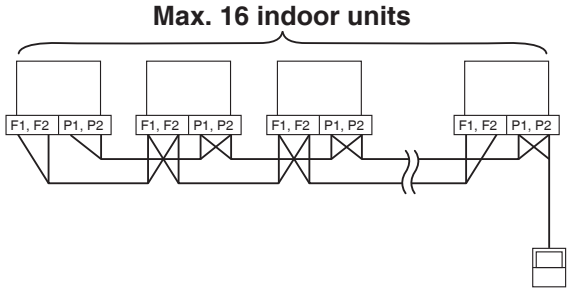
G When connecting an additional centralized controller

NOTE

- What's a remote controller group?

  1 wired remote controller can simultaneously control a maximum of 16 indoor units. This capability is referred to as group control. A remote controller group is a group of indoor units controlled under the same wired remote controller.

  <Schematic drawing of a remote controller group>

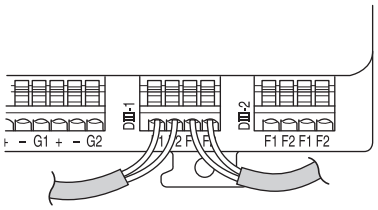


⚠ CAUTION

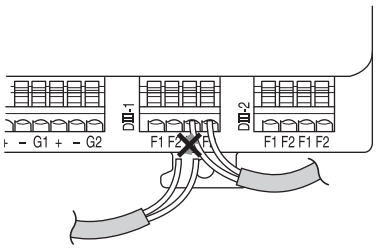
When connecting multiple wires to the DⅢ-NET, 2 or more wires cannot be connected to the same terminal on the Daikin HERO Pro Edge terminal block. If you want to connect multiple wires to the DⅢ-NET, connect the signal (F1 or F2) you want to connect to the terminal with the same signal name, as shown in the figure below.

<Connecting multiple wires to DⅢ-NET>

Correct



Incorrect



3.1.2 Wiring specifications

- Cable type: 2-core vinyl-insulated vinyl-sheathed non-shielded cable/vinyl cabtyre non-shielded cable
- Core thickness: AWG 18-16 (0.75 - 1.25 mm^2)

⚠ CAUTION

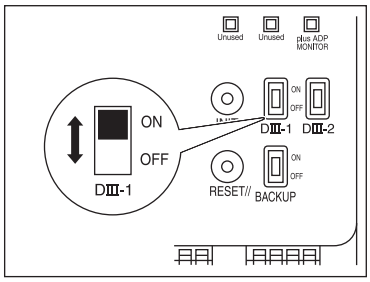
- **Do not use multicore cables with 3 or more cores.**
- **The maximum wire distance must be kept to 3280 ft. (1000 m) or less, and the total wire length must be limited to 6561 ft. (2000 m) or less.**

3.1.3 Precautions for using multiple centralized controllers

"Centralized controller" refers to the equipment (e.g. the Daikin HERO Pro Edge) that controls multiple air conditioners. Besides the Daikin HERO Pro Edge, DAIKIN's product portfolio includes a wide range of centralized controllers suitable for different applications or building sizes, which can be used in combination to construct an optimal air conditioning control system. If multiple centralized controllers are connected on the DⅢ-NET network, you must set the **"MAIN (MASTER)"** and **"SUB (SLAVE)"** relationship for those controllers.
Set only one of those controllers as **"MAIN (MASTER)"**, and the other controllers as **"SUB (SLAVE)"**.

<DⅢ-1/DⅢ-2>

The **[DⅢ-1]** and **[DⅢ-2]** switches are located on the front face of the Daikin HERO Pro Edge. The switches in the **[ON]** position set it as **"MAIN"** and the switches in the **[OFF]** position set it as **"SUB"**.



When installing multiple centralized controllers, set only the highest-priority controller as **"MAIN (MASTER)"** and all other controllers as **"SUB (SLAVE)"** according to the following order of priority.

High
Priority
Low

(1) Interface for use in BACnet
(2) Interface for use in LONWORKS
(3) Intelligent Touch Manager
iTM plus adaptor
Daikin HERO Pro Edge
DⅢ Plus Adapter
(4) Central Remote Controller
(5) ON/OFF Controller

Modbus interface and BACnet MS/TP interface are not subject to the order of priority.

Centralized controllers that cannot be connected to the same network as the Daikin HERO Pro Edge:

- intelligent Processing Unit
- Intelligent Touch Controller
- DⅢ-NET Plus Adapter
- Residential Central Remote Controller
- Schedule Timer
- Group Control Adapter PCB (KRP4)

3.2 Connecting a DIII Plus Adapter (DGE601A72)

If the system needs to control many air conditioners, use DIII Plus Adapter to connect them.
You can connect up to 64 air conditioners to 1 DIII port. Because it is possible to connect to 2 ports on 1 Daikin HERO Pro Edge, the number of indoor units you can control with 1 Daikin HERO Pro Edge is up to 128.
By using DIII Plus Adapter or DIII Plus SLOT, you can add 64 indoor units.
Using all 8 DIII ports, you can connect and control a total of 512 indoor units at maximum.

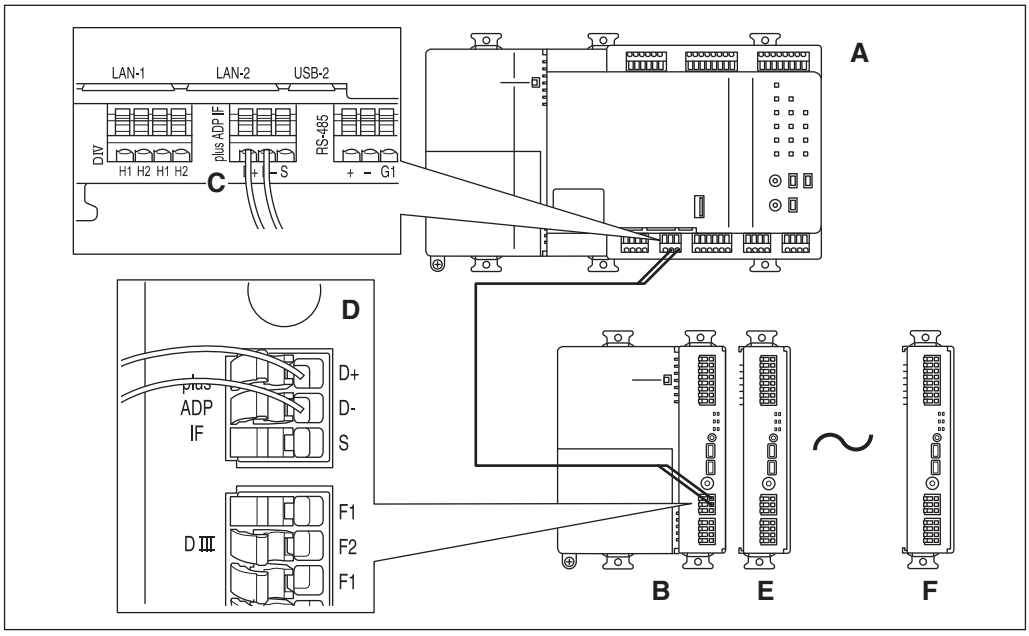
⚠ WARNING

Be sure to perform the operation during power-off conditions. Not doing so may cause an electric shock.

3.2.1 Terminal locations and schematic connection diagram

Connect the DIII Plus Adapter to the **[plus ADP IF]** terminals located on the front face. Be sure to connect the positive wire to the **"D+"** terminal and the negative wire to the **"D–"** terminal, respectively, as these terminals have polarity.
The Daikin HERO Pro Edge must be connected as a terminal to the wiring.

<Terminal locations and schematic connection diagram>



A Daikin HERO Pro Edge

B DIII Plus Adapter

C plus ADP IF (Daikin HERO Pro Edge)

D plus ADP IF (DIII Plus Adapter)

E DIII Plus SLOT

F DIII Plus Adapter/DIII Plus SLOT on which termination resistor must be enabled (For details, refer to DIII Plus Adapter's **"Installation Manual (3P581074-6)"** or DIII Plus SLOT's **"Installation Manual (3P583694-2)"**.)

3.2.2 Wiring specifications

- Cable type: CPEV or FCPEV cable
- Core thickness: AWG 22-18 (ϕ0.65 - 0.9 mm)
- Cable length: 164 ft. (50 m) or less

3.3 Connecting DIV-NET-compatible air conditioners

DIV-NET is a DAIKIN Heating, Ventilation and Air Conditioner communication protocol. Using the DIV-NET, you can centrally control multiple DAIKIN DIV-NET-compatible air conditioning devices by connecting them to your Daikin HERO Pro Edge.

⚠ WARNING

Be sure to perform operations with the power shut off. Failure to do so may result in an electric shock.

⚠ CAUTION

Power wires (high current wiring) and communication wires (low current wiring) should, as much as possible, be routed such that they do not run parallel to each other.

The following can be connected to 1 DIV port:

- Up to 128 indoor unit groups (128 units including group SUBs).
- Up to 20 outdoor unit systems (40 units including sub units).

If there are many DIV-NET-compatible air conditioners to be managed, connect both or one of the DIV Plus Adapter or DIV Plus UNIT, which will allow up to 128 indoor unit groups (128 units including group SUBs) and up to 20 outdoor unit systems (40 units including sub units) to be connected to each DIV port.
The maximum number of units that can be connected to 1 Daikin HERO Pro Edge is as follows:

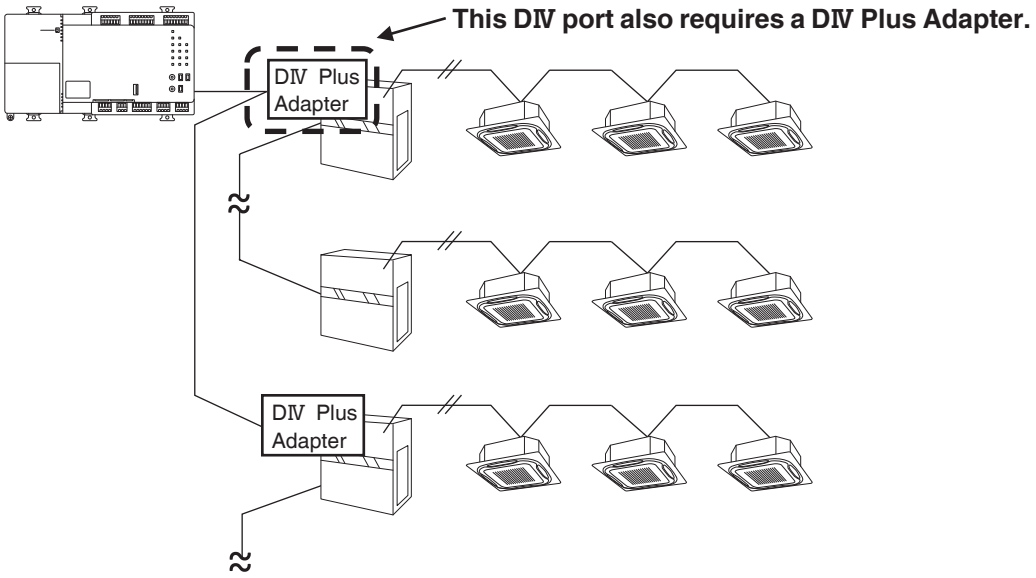
- Up to 512 indoor unit groups (512 units including group SUBs).
- Up to 80 outdoor unit systems (160 units including sub units).

Up to 8 DIV Plus Adapters and up to 4 DIV Plus UNITs can be connected increasing the number of DIV ports to a maximum of 8, however, no more than the maximum number of air conditioner units can be connected.

NOTE

When the DIV Plus Adapter or DIV Plus UNIT are used, the Daikin HERO Pro Edge and DIV-NET-compatible air conditioners cannot be directly connected.
Connect a DIV Plus Adapter or DIV Plus UNIT to each DIV port.

<When the DIV Plus Adapter is connected>

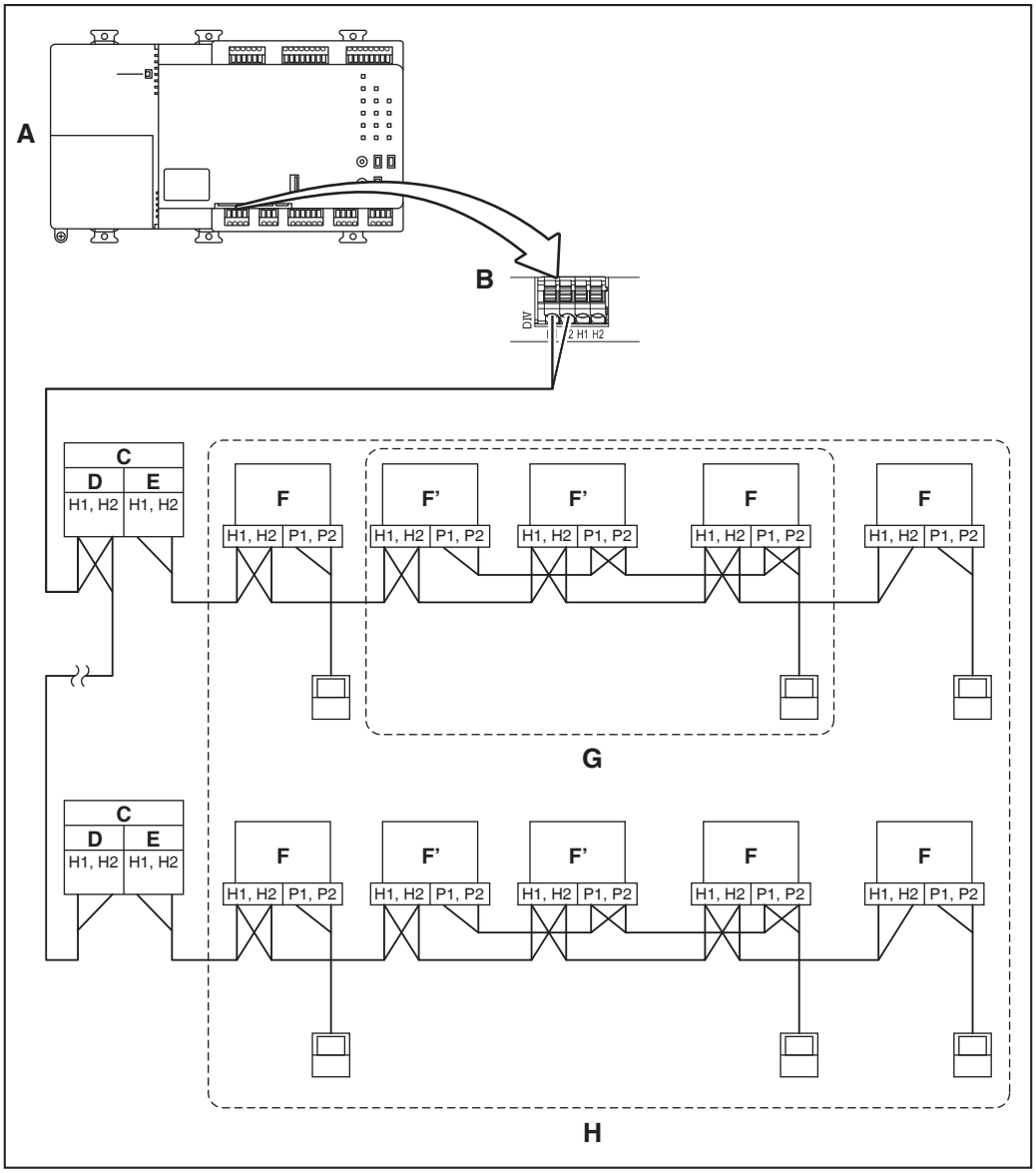


3.3.1 Connecting DIV-NET-compatible air conditioners

3.3.1.1 Terminal locations and schematic connection diagram

To connect the DIV-NET communication line, use the **[H1]** and **[H2]** terminals located at the front and indicated with **[DIV]**.
These terminals have no polarity.
The following schematic connection diagram is an illustrated example for when multiple air conditioners are connected.

<Air conditioner and schematic connection diagram>



A Daikin HERO Pro Edge

B DIV terminal (Daikin HERO Pro Edge)

C Outdoor unit

D OUT - OUT communication (terminal)

E IN - OUT communication (terminal)

F Indoor unit

F' Indoor unit (group SUB)

G A maximum of 16 indoor units can be connected to 1 remote controller group.

H A maximum of 128 remote controller groups (128 units including group SUBs) can be connected to 1 DIV port.

3.3.1.2 Wiring specifications

■ Wire specification

The wiring should be wired using AWG18-16 (0.75-1.25 mm²) stranded, non-shielded wiring.

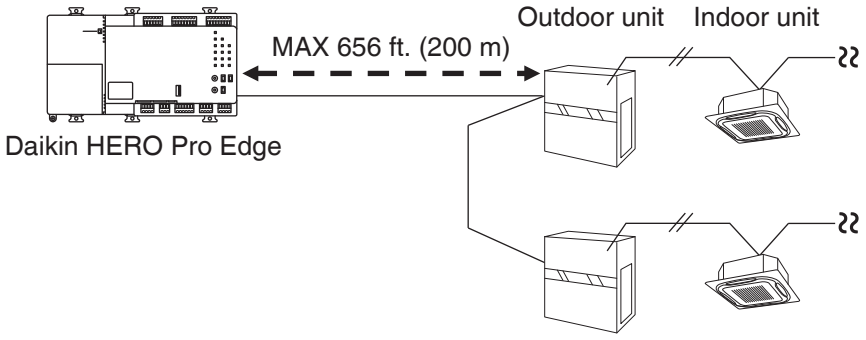
⚠ CAUTION

Do not use multi-core cables with 3 or more cores.

■ Wiring specifications

Total wiring length: max. 6561 ft. (2000 m)

Length between units: The wiring length from the Daikin HERO Pro Edge to the nearest outdoor unit is max. 656 ft. (200 m).

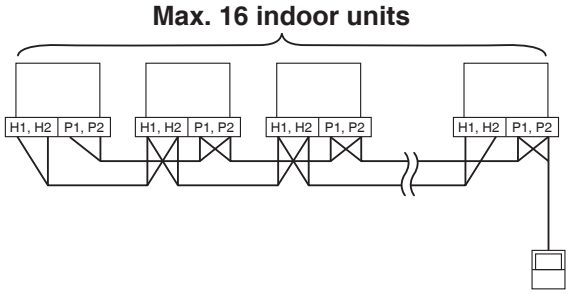


NOTE

- What's a remote controller group?

  1 wired remote controller can simultaneously control a maximum of 16 indoor units. This capability is referred to as group control. A remote controller group is a group of indoor units controlled under the same wired remote controller.

  <Schematic drawing of a remote controller group>

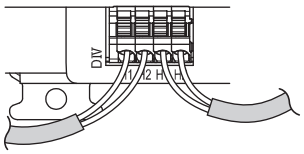


⚠ CAUTION

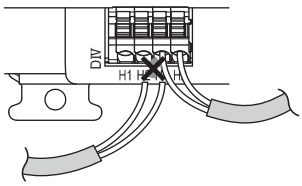
When connecting multiple wires to the DIV-NET, 2 or more wires cannot be connected to the same terminal on the Daikin HERO Pro Edge terminal block. If you want to connect multiple wires to the DIV-NET, connect the signal (H1 or H2) you want to connect to the terminal with the same signal name, as shown in the figure below.

<Connecting multiple wires to DIV-NET>

Correct



Incorrect

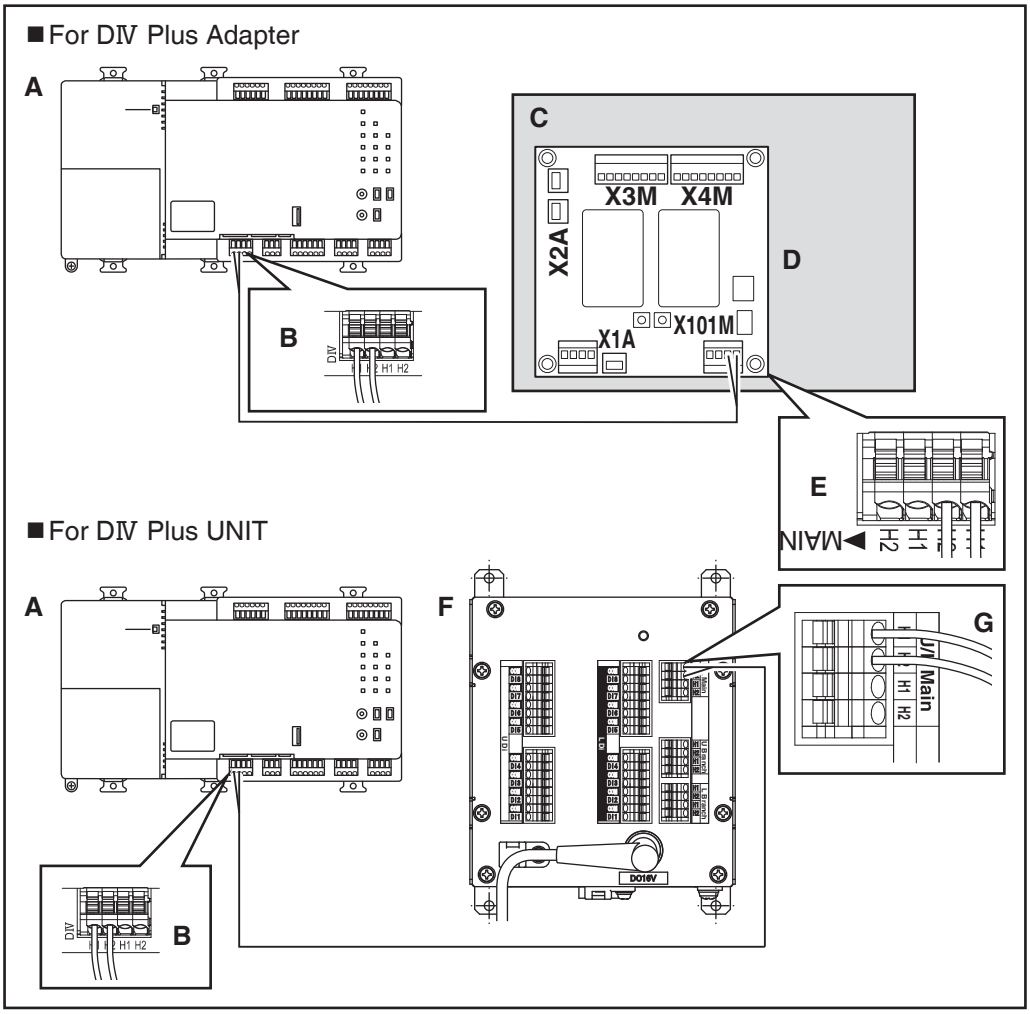


3.3.2 Connecting DIV Plus Adapter (DGE601A54) or DIV Plus UNIT (DGE601A75)

3.3.2.1 Terminal locations and schematic connection diagram

To connect the DIV-NET communication line, use the **[H1]** and **[H2]** terminals located at the front and indicated with **[DIV]**.
These terminals have no polarity.

<Terminal locations and schematic connection diagram>



A Daikin HERO Pro Edge
B DIV terminal (Daikin HERO Pro Edge)
C Outdoor unit
D DIV Plus Adapter (inside electrical parts box of outdoor unit)
E X101M terminal block (DIV Plus Adapter)
F DIV Plus UNIT
G U/L Main terminal (DIV Plus UNIT)

NOTE

When the DIV Plus Adapter or DIV Plus UNIT are used, the Daikin HERO Pro Edge and DIV-NET-compatible air conditioners cannot be directly connected.
Connect a DIV Plus Adapter or DIV Plus UNIT to each DIV port.

3.3.2.2 Wiring specifications

■ Wire specification

The wiring should be wired using AWG18-16 (0.75-1.25 mm²) stranded, non-shielded wiring.

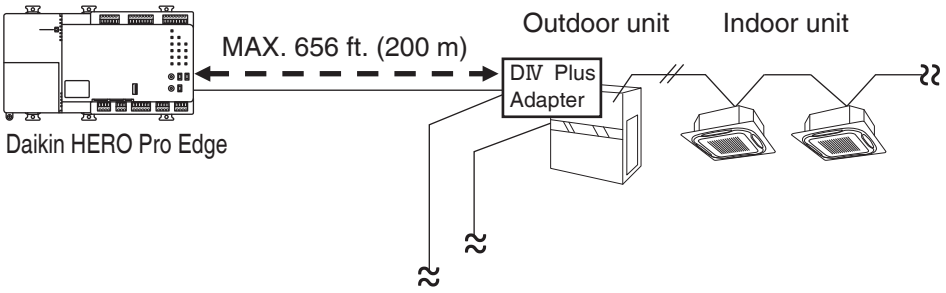
⚠ CAUTION

Do not use multi-core cables with 3 or more cores.

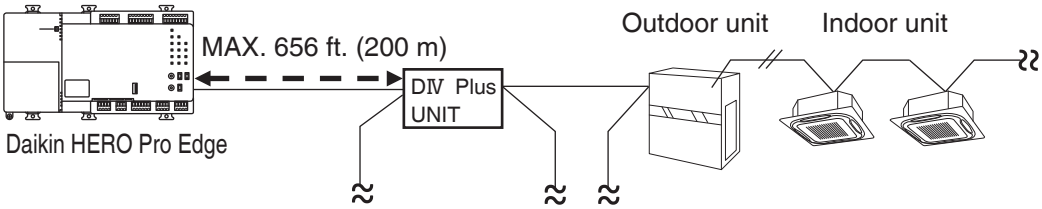
■ Wiring specifications

Length between equipment: The wiring length from the Daikin HERO Pro Edge to the DIV Plus Adapter or DIV Plus UNIT is max. 656 ft. (200 m).

When the DIV Plus Adapter is connected



When the DIV Plus UNIT is connected



3.4 Connecting a WAGO I/O module

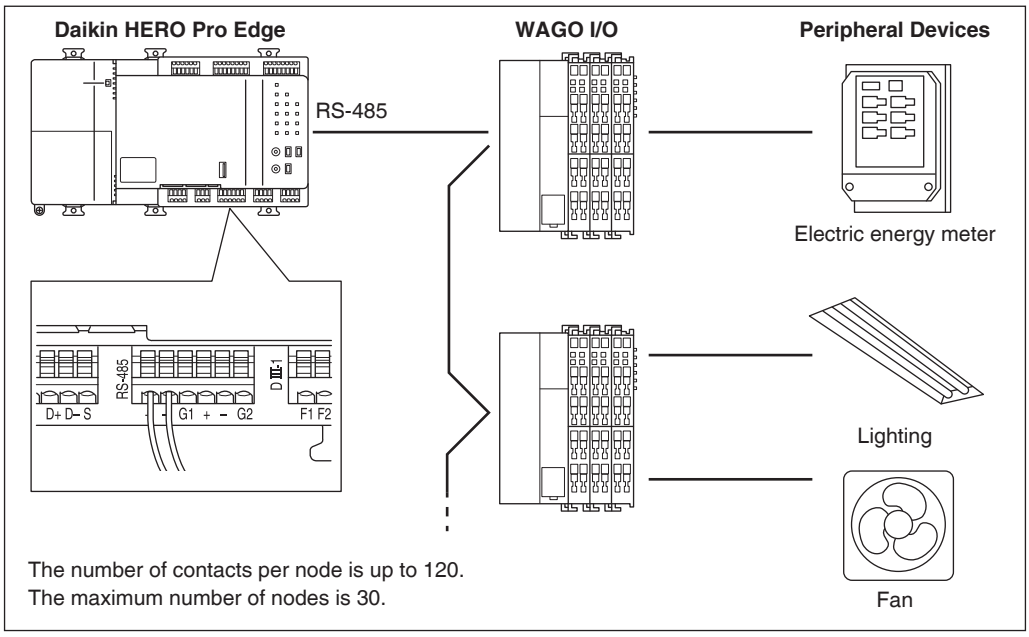
In combination with the I/O module, the Daikin HERO Pro Edge can connect a maximum of 960 points for controlling non-DAIKIN peripheral devices such as lighting equipment. Connect the Daikin HERO Pro Edge to the termination of the RS-485 wiring.

⚠ WARNING

Be sure to perform the operation during power-off conditions. Not doing so may cause an electric shock.

3.4.1 Terminal locations and schematic connection diagram

<Schematic drawing of I/O module connection>



Connect the WAGO I/O module to the **[RS-485]** terminals located on the front face. As these terminals have polarity, be sure to connect the positive (+) core wire to the "+" (positive) terminal and the negative (–) core wire to the "–" (negative) terminal, respectively.

3.4.2 Wiring specifications

- Cable type: CPEV or FCPEV cable
- Core thickness: AWG 22-20 (ϕ0.65 - 0.9 mm)
- Cable length: 1640 ft. (500 m) or less

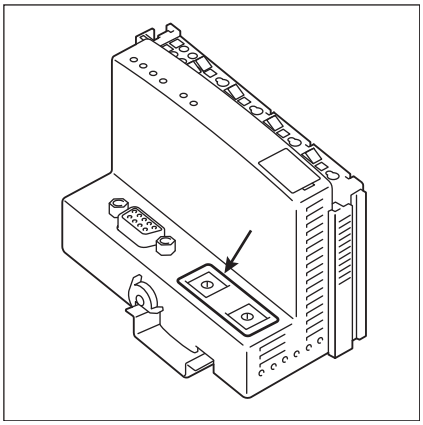
⚠ CAUTION

- **When using a shielded cable, be sure to connect the cable to the G1 (ground) terminal.**
- **Do not connect a shielded cable and an unshielded cable.**

3.4.3 Address setup

The bus coupler located at the left end of nodes has rotary switches for setting the addresses.
Set a unique address for each node.
For details, refer to the **"Commissioning Manual"**.

<WAGO Bus coupler>



3.5 Connecting an emergency stop input device or power meters

The Daikin HERO Pro Edge can perform operations such as an emergency stop of the air conditioners according to an external signal input device, and an electricity usage calculation for each air conditioner according to the pulse inputs from a power meter.

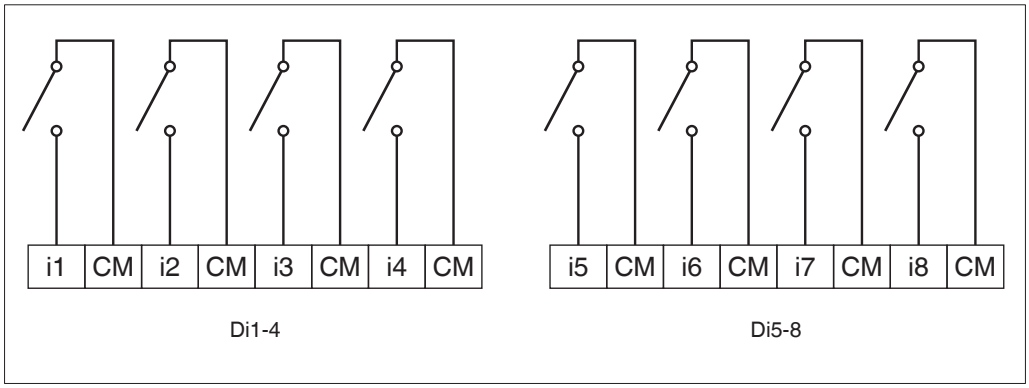
⚠ WARNING

Be sure to perform the operation during power-off conditions. Not doing so may cause an electric shock.

3.5.1 Terminal locations and schematic connection diagram

Connect the contact input lines or pulse signal lines to the **[i1] [i2] [i3] [i4] [i5] [i6] [i7] [i8] [CM]** terminals of Di1-4 or Di5-8 located on the upper part of the front face.
Each terminal has a different function.
[i1] Emergency stop input
[i2] [i3] [i4] [i5] [i6] [i7] [i8] Pulse input, contact signal input
[CM] Common
Whether the terminals (**[i2]** to **[i8]**) are used as pulse input or contact signal input, is set during commissioning.

<Schematic drawing of Di connection>



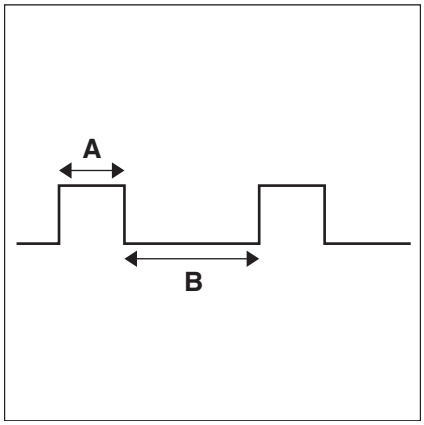
⚠ CAUTION

When using an open collector type for contact signal input or pulse input, connect the [CM] terminal to the minus side.

3.5.2 Wiring specifications

- Cable type: CPEV cable, FCPEV cable
- Core thickness: AWG 22-18 (ϕ0.65 - 0.9 mm)
- Cable length: 656 ft. (200 m) or less

<Pulse width>



A Pulse width: 20 to 400 ms

B Pulse interval: 100 ms or more

⚠ CAUTION

- **The contact connected to the contact input terminal must be capable of handling 10 mA at 16 V DC.**
- **If an instantaneous contact is used for triggering an emergency stop, use one that has an energized time of 200 ms or more.**

NOTE

Once the emergency stop input signal is turned on, all air conditioners stop and do not restart until the emergency stop input is cleared.

3.6 Connecting to equipment which inputs output contact points

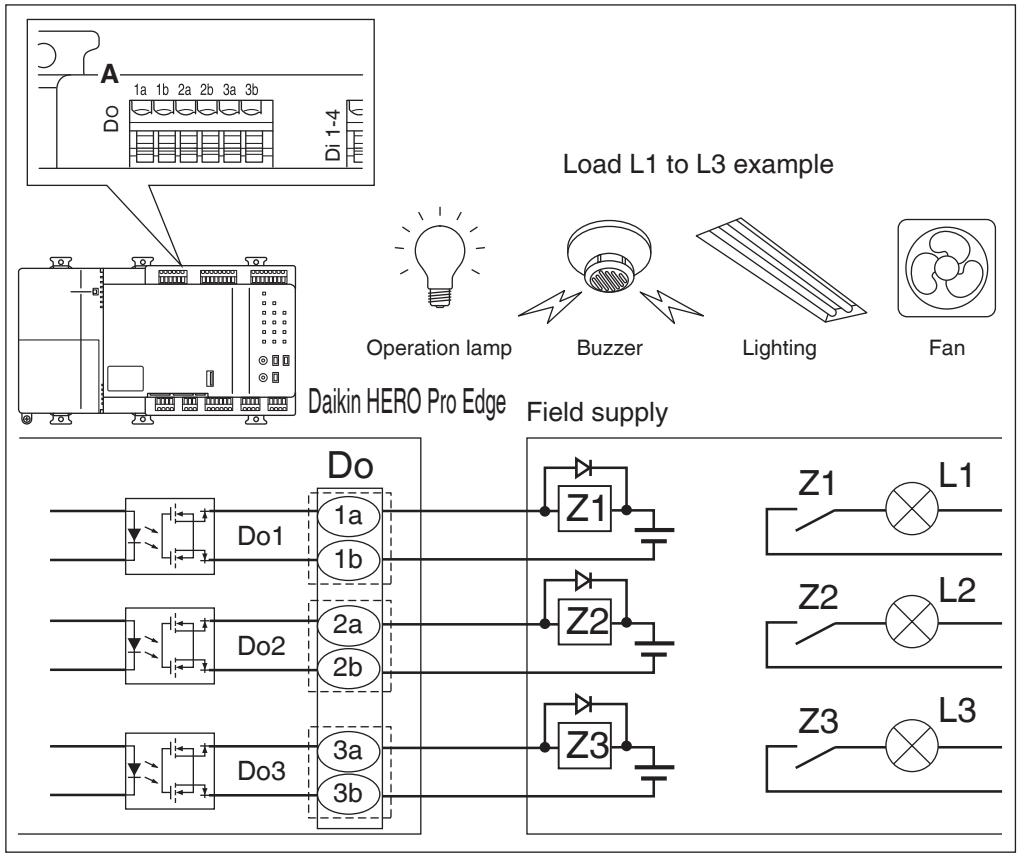
By way of the output contact points on the Daikin HERO Pro Edge, you can control other equipment, by connecting to the contact input points on the other equipment.

WARNING

Be sure to perform the operation during power-off conditions. Not doing so may cause an electric shock.

3.6.1 Terminal locations and schematic connection diagram

<Schematic drawing of Do connection>



A Digital output (Do) contacts

Connect the contact output lines to the **[1a] [1b] [2a] [2b] [3a] [3b]** terminals of Do located on the upper part of the front face.

Use **[1a] [1b]** for Do1, **[2a] [2b]** for Do2, and **[3a] [3b]** for Do3.

Be sure to insert a diode on both ends of the relay coil. (A diode built-in type is recommended)

Contact point specifications

- Non-voltage contact point
- Voltage: 24 V DC Maximum load current: 50 mA

3.6.2 Wiring specifications

- Cable type: CPEV cable, FCPEV cable, CVV(S) cable
- Core thickness: CPEV cable, FCPEV cable: AWG 22-18 (ϕ0.65 - 0.9 mm)
  CVV(S) cable: AWG 18-16 (0.75 - 1.25 mm²)
- Cable length: 656 ft. (200 m) or less

3.7 Connecting a LAN cable

By way of ports **[LAN-1]** and **[LAN-2]**, you can connect the Daikin HERO Pro Edge to a network.

CAUTION

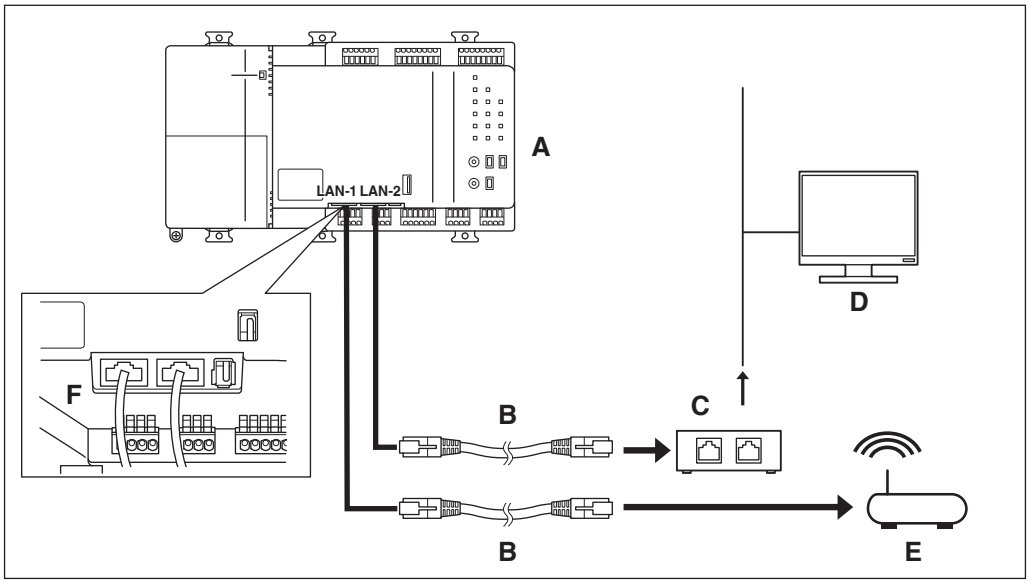
For how to connect to a network, contact your network administrator.

3.7.1 Terminal locations and schematic connection diagram

Using a LAN cable, connect the **[LAN-1]** port and **[LAN-2]** port to the network hub. The role of each port is as follows.

- **[LAN-1]** port: For connecting to the Daikin cloud system
- **[LAN-2]** port: For connecting to the local BACnet/IP network

<LAN connection schematic diagram>



A Daikin HERO Pro Edge
B LAN cable
C Network Switch
D Monitoring panel
E Router
F LAN-1/LAN-2

3.7.2 Wiring specifications

- Applicable cable standard: LAN-1 100Base-TX
  LAN-2 100Base-TX or 10Base-T
- Connector standard: RJ-45

3.8 Connecting the power supply

Connect the Daikin HERO Pro Edge to a power supply.

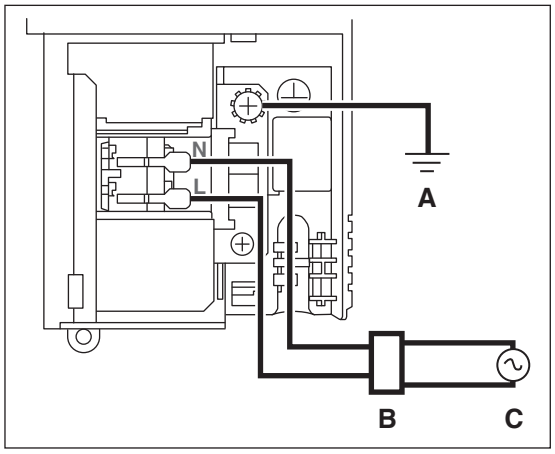
⚠ WARNING

Be sure to perform the operation during power-off conditions. Do not turn the power supply on until all connections are made. Not doing so may cause an electric shock.

3.8.1 Terminal locations and schematic connection diagram

Connect the 24 V AC power supply to the 3 terminals, L (Live), N (Neutral), and earth.

<Schematic power connection diagram>



A Earth

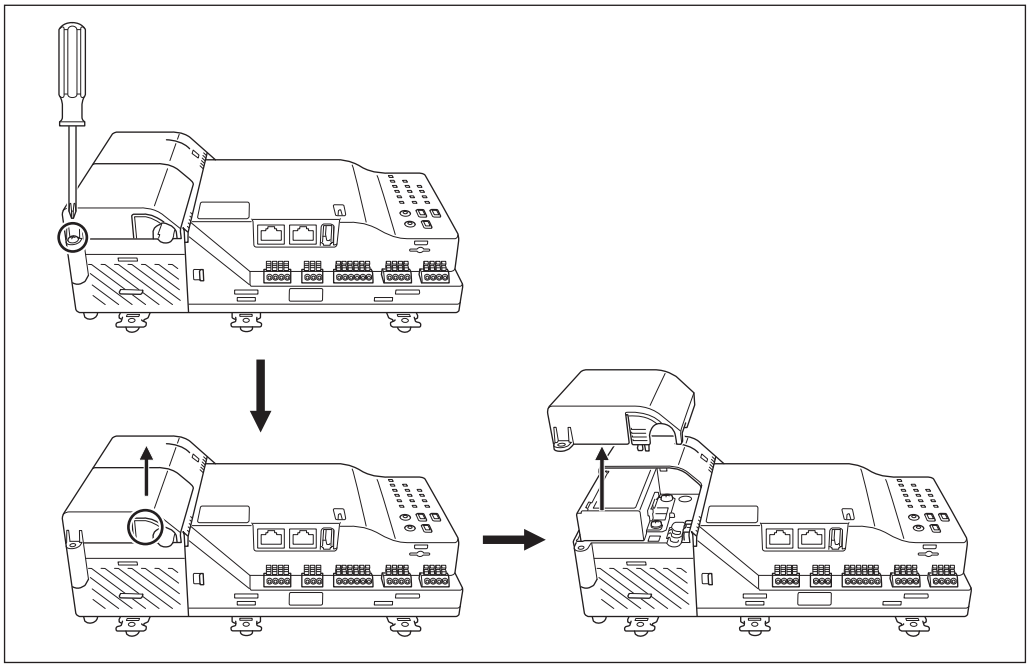
B Overcurrent circuit breaker

C Power supply 24 V AC 60 Hz

Steps for connection

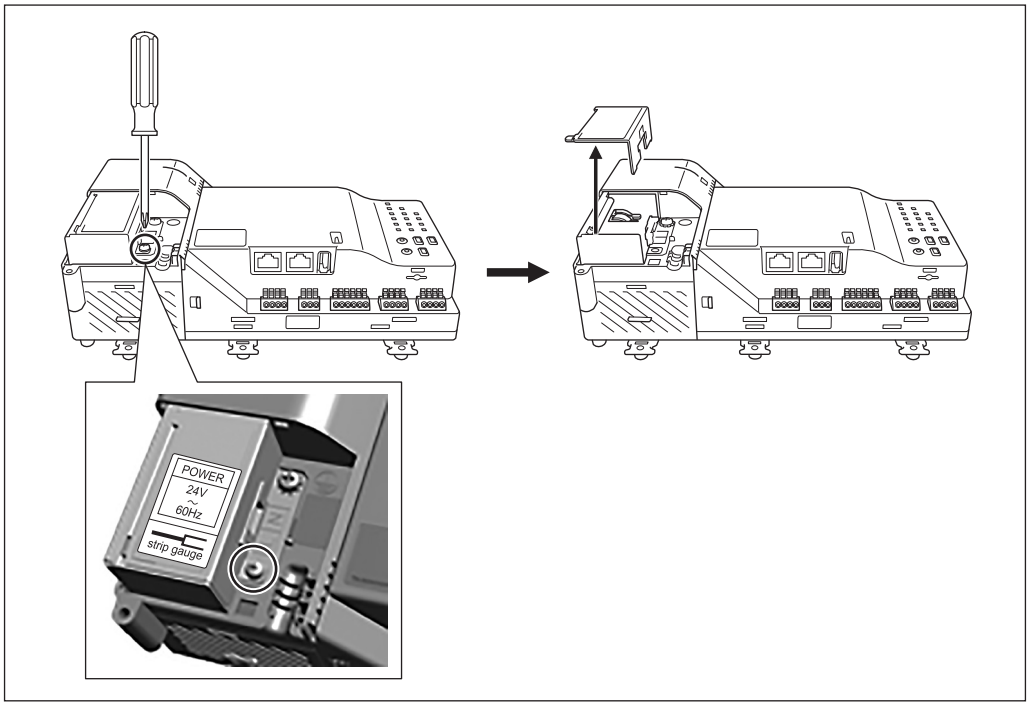
(1) Remove the screw from the power supply cable cover, push the area marked with a circle in the direction of the arrow, and remove the cover.

<Removing the power supply cable cover>



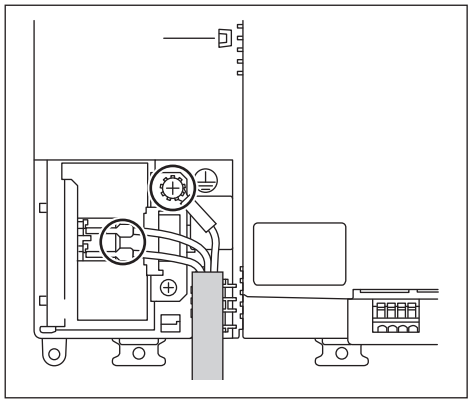
(2) Remove the screw from the power supply terminal block cover, and remove the cover.

<Removing the power supply terminal block cover>



(3) Secure the earth wire onto the sheet metal earth terminal with the screw, and connect the L wire and N wire to the terminal block.

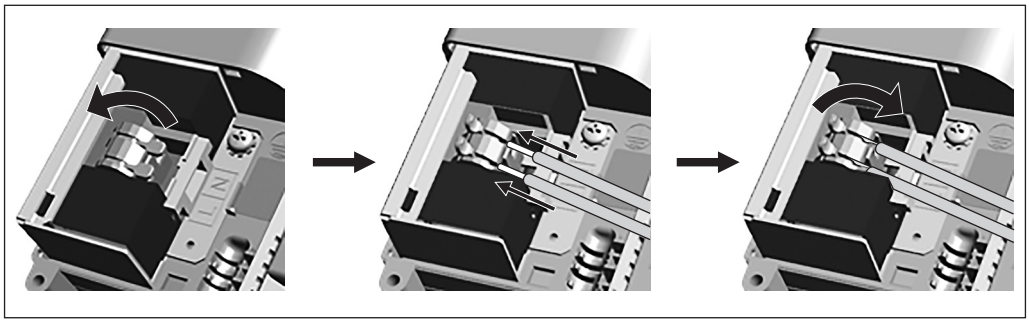
<Connecting the power supply cable>



How to connect to the power supply terminal block

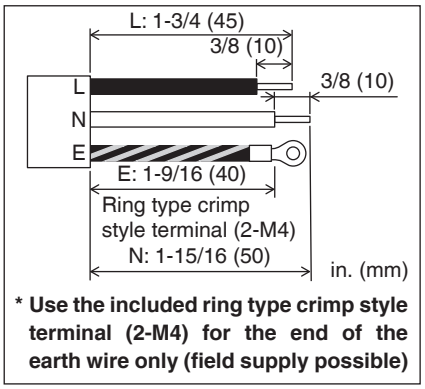
Lift the knob on the power supply terminal block to set it to the open position, then insert the L wire and N wire into the terminal block. Continue to push up the knob until you feel it click. After insertion, push down the knob on the power supply terminal block securely and completely.

<Power supply terminal block>



Strip away the sheath and coating of the power supply cable to match the dimensions shown below. You can also refer to the terminal block cover for the coating stripping allowance.

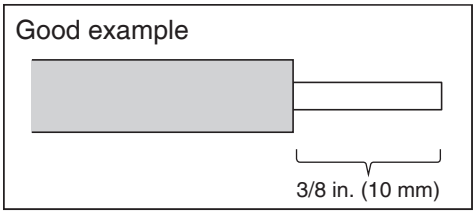
<Power supply cable (sheath, coating)>

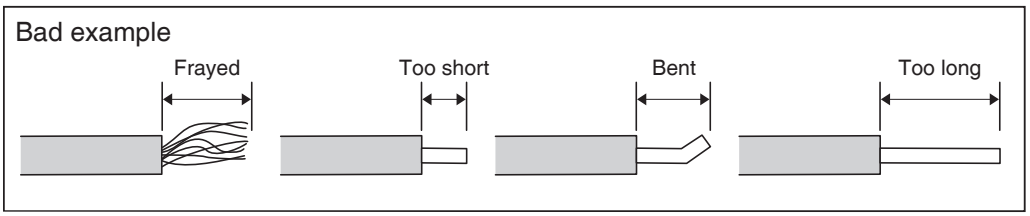


*** Use the included ring type crimp style terminal (2-M4) for the end of the earth wire only (field supply possible)**

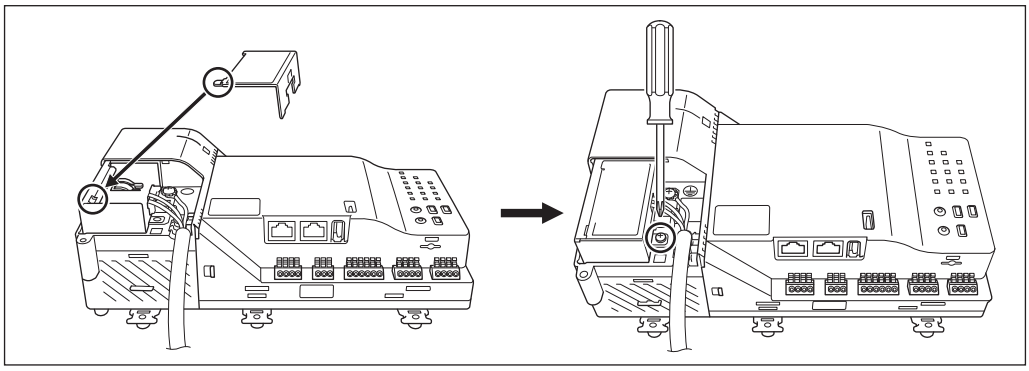
<Terminal block cover>

When striping the wire, be careful not to scratch the finish of the exposed part of the wire.



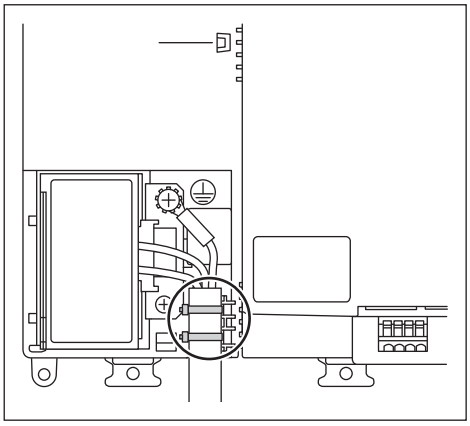


(4) While engaging the tab in the area marked with a circle, attach the terminal block cover and secure it with the screw.

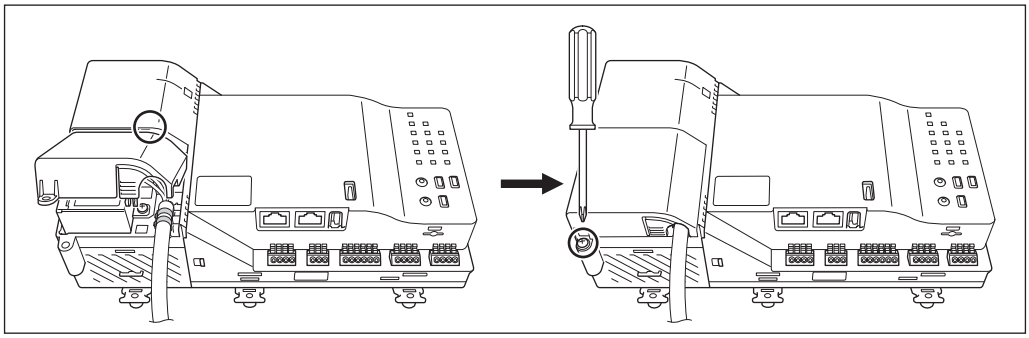


(5) Secure the sheath portion in 2 places with clamps.
Facing the front of the unit, insert the zip ties from the right side and secure.
Firmly tighten until the power supply cable does not move anymore.

<Secure with zip ties>



(6) Hook the power supply cover onto the tab in the area marked with a circle, close the cover, and secure it with the screw.



3.8.2 Wiring specifications

- Cable type: The wiring should be selected in compliance with local laws and regulations.
  Recommended cable types are as follows.
  Ordinary tough rubber sheathed cord (60245 IEC 53) equivalent or higher
  Ordinary polyvinyl chloride sheathed cord (60227 IEC 53) equivalent or higher
- Core thickness: Power wire: AWG 18-14 (1.0 - 2.0 mm^2)
  Earth lead: Size must comply with local codes and be the same thickness as the power wire.
- Earth lead terminal treatment: Be sure to use a ring type crimp style terminal (2-M4).
- Power supply voltage: Single phase 24 V AC (at 60 Hz)
- Electric power consumption: 23 W, 36 VA
- Overcurrent circuit breaker: Rated current 10 A (Rated sensitivity current 30 mA operating time 0.1 sec or less)
  1/8 in. (3 mm) minimum contact gap and all-pole disconnection

⚠ WARNING

- **Be sure to install an overcurrent circuit breaker capable of shutting down the power supply to the entire system, as required.**
- **Turning on/off the overcurrent circuit breaker turns on/off the power supply to the Daikin HERO Pro Edge.**
- **Select an overcurrent circuit breaker that offers protection against overcurrent and short-circuit.**
- **The power supply requires overcurrent circuit breaker installation and earth wire connection. After installing an overcurrent circuit breaker, be sure to connect only the Daikin HERO Pro Edge to it.**
- **Use a transformer with reinforced insulation and input a 24 V AC power source.**
- **To prevent accidents due to wire breakage or disconnection, secure the power supply cables with clamps.**
- **Be sure to connect the earth wire.**
- **Do not ground units to water pipes, gas pipes, telephone wires, or lightning rods as incomplete grounding will result a severe shock hazard resulting in severe injury or death.**
  Additionally, grounding to gas pipes will result a gas leak and potential explosion resulting in severe injury or death.
- **Replace the unit when the unit cannot be turned on due to the blowing of the electrical fuse.**

NOTE

A power supply cable is not provided with the unit.
Use a 3-core power supply cable with a core thickness of AWG 18-14 (1.0 - 2.0 mm^2) that complies with local laws and regulations and is rated at 300 V AC or higher.

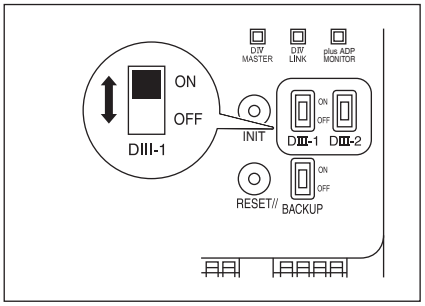
4 Initial Setup

After checking that all connections are completed, start the Daikin HERO Pro Edge basic setup. The basic setup refers to the preparative settings for controlling the operation of your air conditioning system.

4.1 DⅢ-NET MAIN/SUB switch setting

It is necessary that the settings match the settings of the air conditioning system connected to the Daikin HERO Pro Edge.
The switch is set to **[ON]** by default.
For details, refer to **"3.1.3 Precautions for using multiple centralized controllers"**.

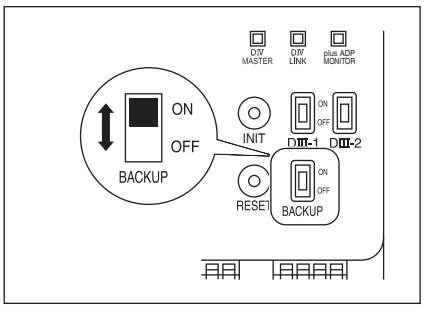
<DⅢ-1/DⅢ-2 switch>



4.2 Setting backup battery to ON

To retain the settings even in the event of a power outage, the Daikin HERO Pro Edge has a built-in battery. Because this battery is disabled by default, make sure to first set the backup battery switch to **[ON]**.
If the power supply is left off for a long period of time (six months or more), turn OFF the backup battery switch.
Otherwise the battery will run out and the time will be reset. However, the time will sync with HERO Cloud when the Daikin HERO Pro Edge boots.

<BACKUP switch>



4.3 Turning on the power supply for Daikin HERO Pro Edge and air conditioners

Turn on the power supply for the Daikin HERO Pro Edge and the devices that are connected to the Daikin HERO Pro Edge.
First turn on the power supply for the air conditioners and then for Daikin HERO Pro Edge.
After a while, it will be possible to set an address and label.
Set the address and label using the wired remote controller of the air conditioner.
For details, refer to **"5 Setting addresses/labels for each air conditioner"**.

⚠ CAUTION

Before turning on the power supply, check again that all installations and connections are completed correctly.

5 Setting addresses/labels for each air conditioner

Addresses/labels are set to facilitate the monitoring/control of connected air conditioners.

5.1 Setting an address for the air conditioner

In the DⅢ-NET system, a **"group address"** and **"Airnet address"** are used.
The **"group address"** and **"Airnet address"** are set manually using the wired remote controller for the air conditioner.

NOTE

When connecting a DⅣ-NET compatible air conditioner as a DⅢ device, a **"group address"** and **"Airnet address"** must be set for the air conditioner, and a **"demand address"** should be set as required.

5.1.1 Setting addresses with wired remote controller

This section describes how to set addresses using wired remote controller.

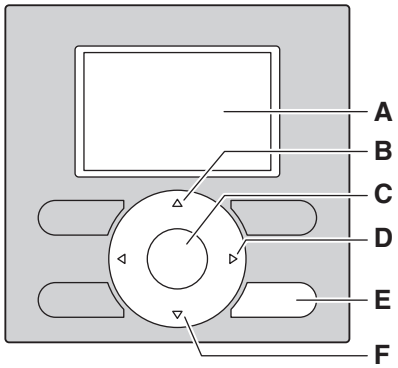
NOTE

For how to set addresses for ventilation equipment (Heat Reclaim Ventilation units) and various adaptors, refer to their respective documentation.

Names of buttons and display

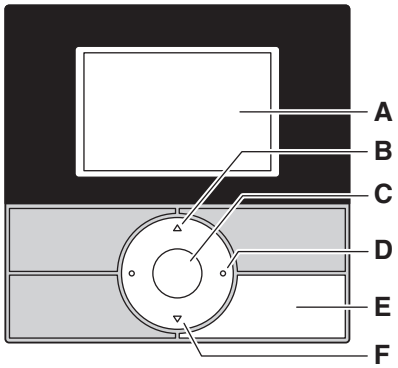
Below are the names of the buttons and display of wired remote controller.

BRC1E*/BRC1NRV71



A Liquid-crystal display (with backlight)
B Up button ▲
C Menu/OK button
D Right button ▶
E Cancel button
F Down button ▼

BRC1NRV72



A Liquid-crystal display (with backlight)
B Up button ▲
C Menu/OK button
D Right button
E Cancel button ⮌
F Down button ▼

The operation procedure of the wired remote controller is as follows.
The operation steps will be explained in the following order. **"Remote controller group MAIN"**, **"Remote controller group SUB"**, **"Indoor unit Airnet address"**, **"Outdoor unit Airnet address"**.

NOTE

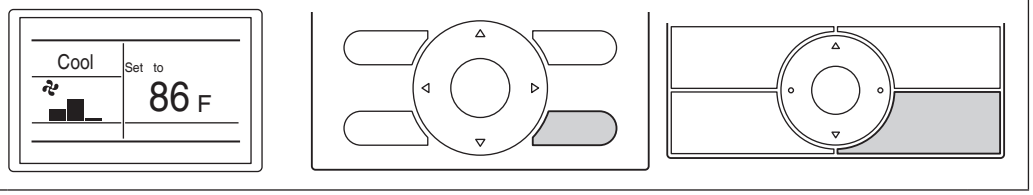
You cannot perform the following procedure when the display backlight is off.
In this case, press any key to turn on the backlight before starting the procedure.

Setting "Remote controller group MAIN" DIII-NET group addresses

This section describes how to set **"Remote controller group MAIN"** DIII-NET group addresses.

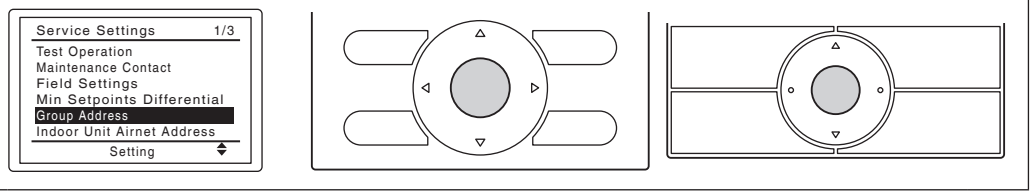
1. Press and hold the Cancel button for 4 seconds or more.
   The **"Service Settings"** menu is displayed.

<Step 1>



2. Using the Up/Down buttons, select **"Group Address"** and press the Menu/OK button.
   The **"Group Address"** menu is displayed.

<Step 2>

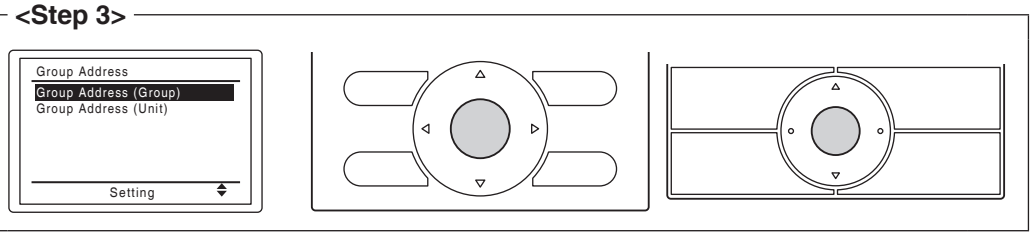


NOTE

The **"Group Address"** menu is not displayed when the Daikin HERO Pro Edge is not powered on.
Power on the Daikin HERO Pro Edge and wait for a while before trying to operate the wired remote controller. The **"Group Address"** menu is also not displayed when the Daikin HERO Pro Edge is not communicating with the indoor units normally. Check that the cables are connected correctly.

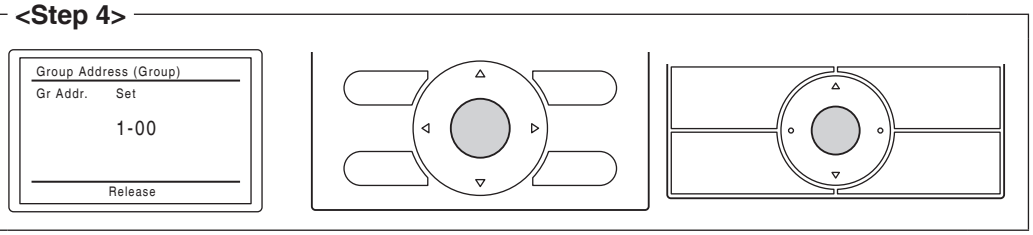
3. Using the Up/Down buttons, select **"Group Address (Group)"** and press the Menu/OK button. The current address setting is displayed.

<Step 3>



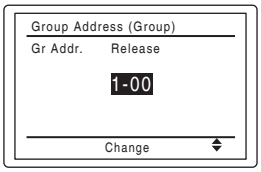
4. If an address is already **"Set"**, press the Menu/OK button to release the current address setting. The mode indication changes from **"Set"** to **"Release"**, and you are now ready to change the address.

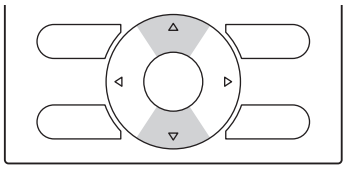
<Step 4>

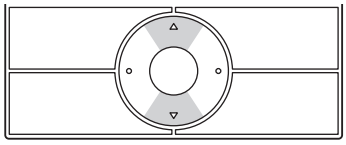


5. Using the Up/Down buttons, select the address you want to set.

<Step 5>

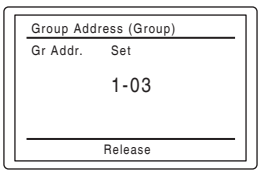


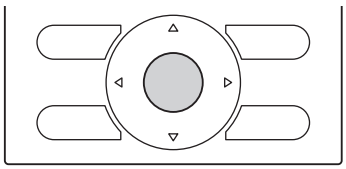


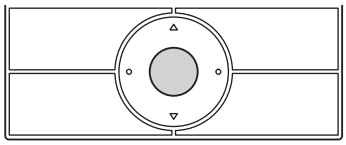


6. Press the Menu/OK button.
   The indication changes from **"Release"** to **"Set"**, and the DⅢ-NET group address is set.

<Step 6>

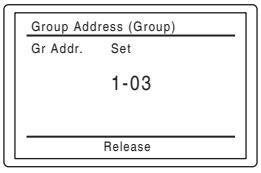


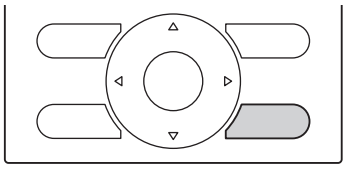


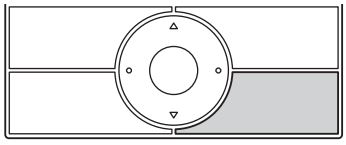


7. Press the Cancel button 1 time. You will now return back to the display shown in Step 7-2.

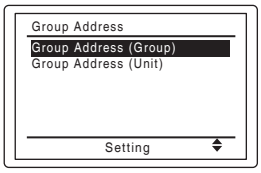
<Step 7-1>







<Step 7-2>

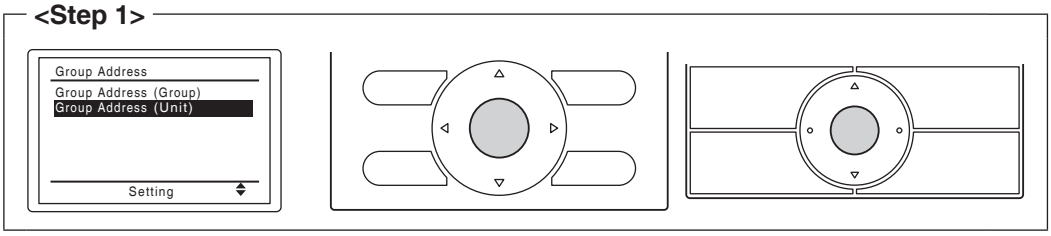


Setting "Remote controller group SUB" DⅢ-NET group addresses

This section describes how to set **"Remote controller group SUB"** DⅢ-NET group addresses.

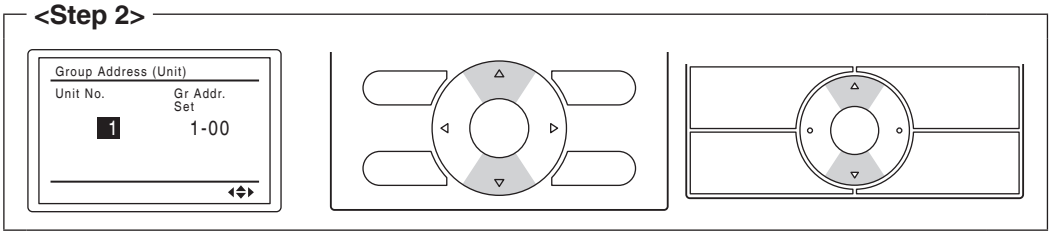
1. Using the Up/Down buttons, select **"Group Address (Unit)"** and press the Menu/OK button. The current address setting is displayed.

<Step 1>



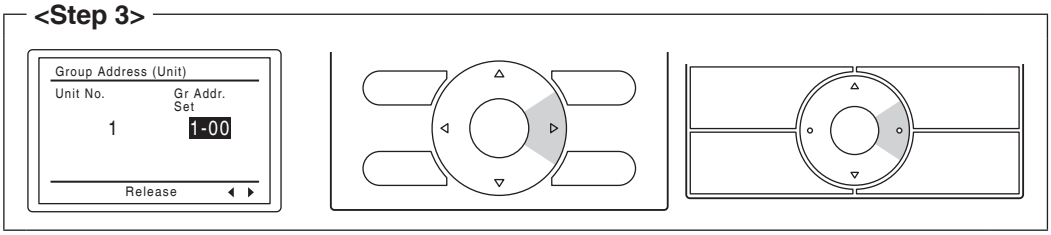
2. Using the Up/Down buttons, select the **"Unit No."** you want to set.

<Step 2>



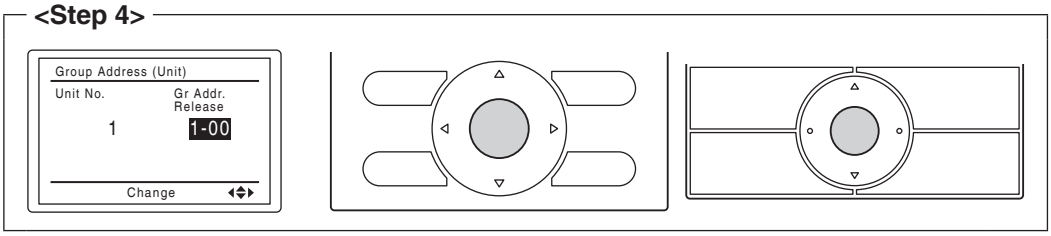
3. Press the Right button and move to the **"Gr Addr."**.

<Step 3>



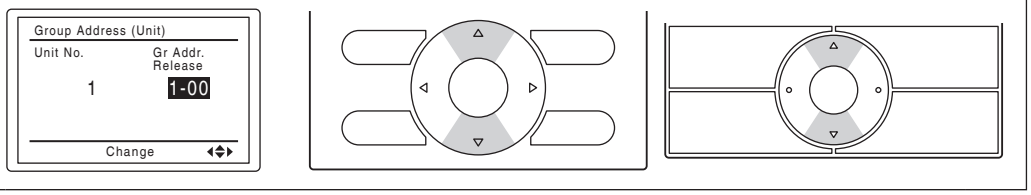
4. If an address is already **"Set"**, press the Menu/OK button to release the current address setting. The indication changes from **"Set"** to **"Release"**, and you are now ready to change the address.

<Step 4>



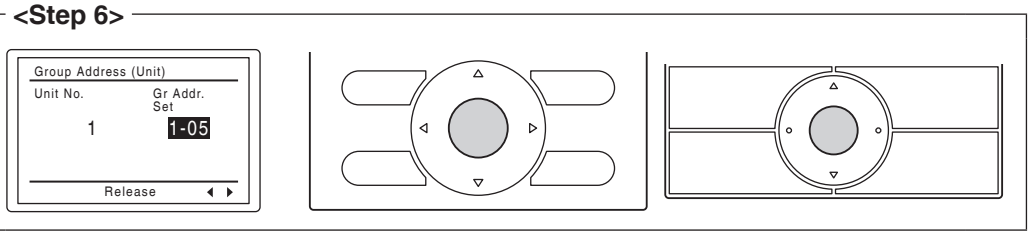
5. Using the Up/Down buttons, select the address you want to set.

<Step 5>



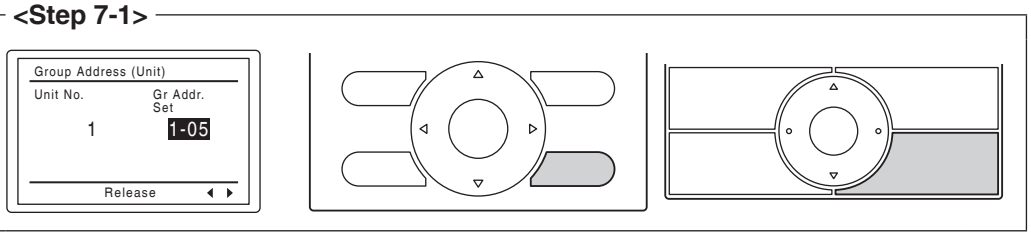
6. Press the Menu/OK button.
   The indication changes from **"Release"** to **"Set"**, and the DIII-NET group address is set.

<Step 6>

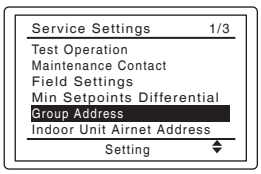


7. Press the Cancel button 2 times. You will now return back to the display shown in Step 7-2.

<Step 7-1>



<Step 7-2>

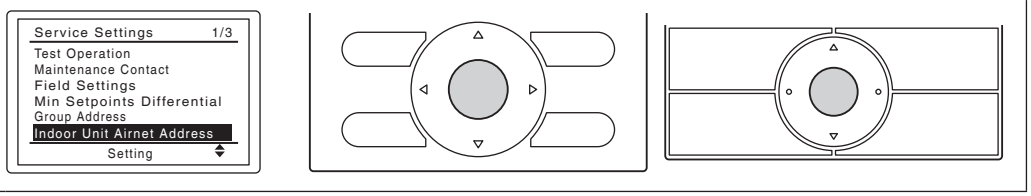


Setting indoor unit Airnet addresses

This section describes how to set indoor unit Airnet addresses.

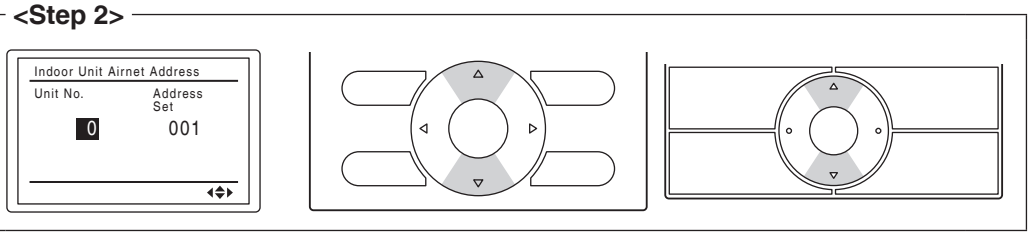
1. Using the Up/Down buttons, select **"Indoor Unit Airnet Address"** and press the Menu/OK button. The current Airnet address setting is displayed.

<Step 1>



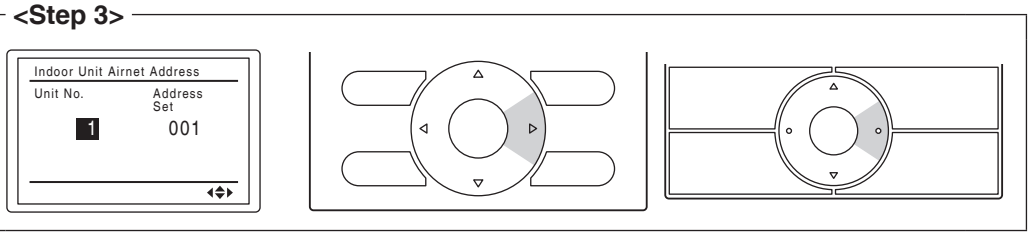
2. Using the Up/Down buttons, select the **"Unit No."** you want to set.

<Step 2>



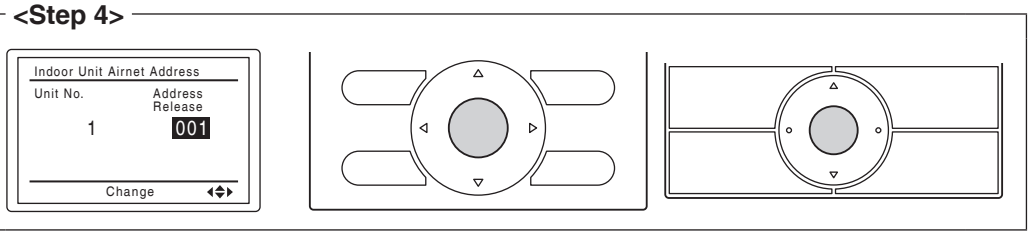
3. Press the Right button, move to the **"Address"**.

<Step 3>



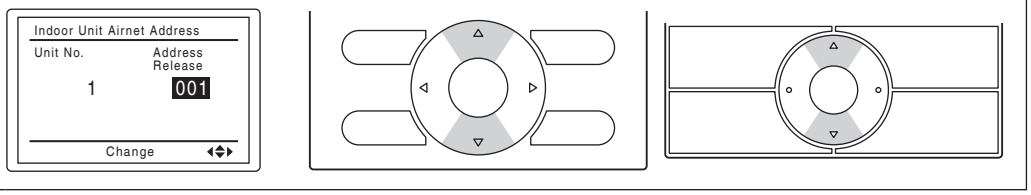
4. If an address is already **"Set"**, press the Menu/OK button to release the current address setting. The indication changes from **"Set"** to **"Release"**, and you are now ready to change the address.

<Step 4>



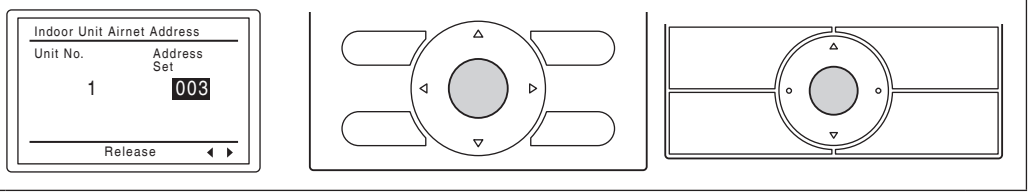
5. Using the Up/Down buttons, select the Airnet address you want to set.

<Step 5>



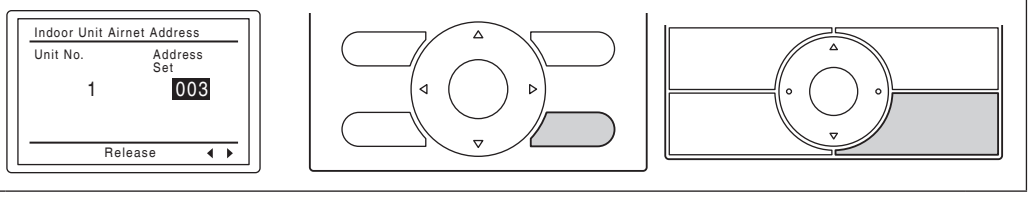
6. Press the Menu/OK button.
   The indication changes from **"Release"** to **"Set"**, and the Airnet address is set.

<Step 6>

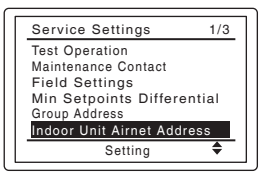


7. Press the Cancel button 1 time. You will now return back to the display shown in Step 7-2.

<Step 7-1>



<Step 7-2>



Setting outdoor unit Airnet addresses

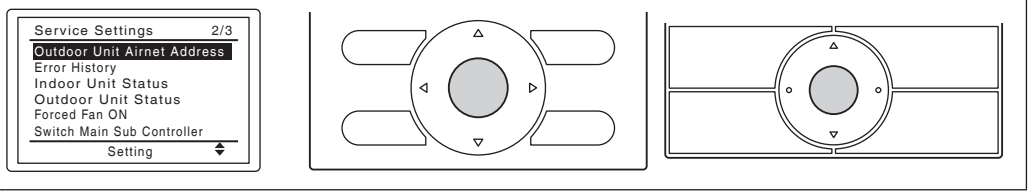
This section describes how to set outdoor unit Airnet addresses.

In the following cases, refer to **"5.1.2 Setting Airnet address and demand address on the outdoor unit"** and set an Airnet address for the outdoor unit.

- Multiple systems exist in 1 remote controller group.
- **"Outdoor Unit Airnet Address"** is not displayed on the service settings display.

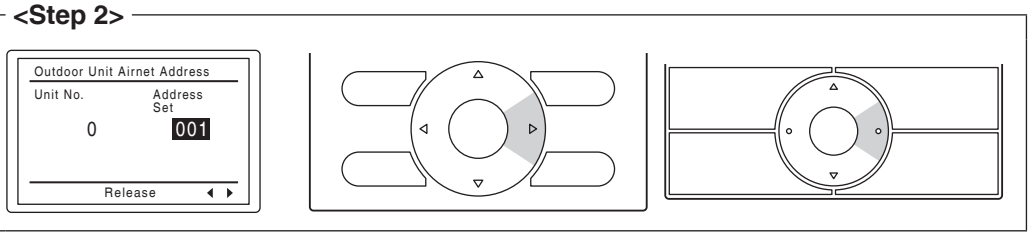
1. Using the Up/Down buttons, select **"Outdoor Unit Airnet Address"** and press the Menu/OK button.
   The current Airnet address setting is displayed.

<Step 1>



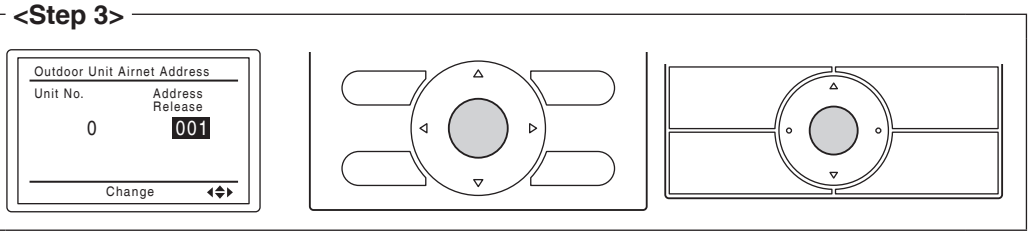
2. Press the Right button, move to the **"Address"**.

<Step 2>



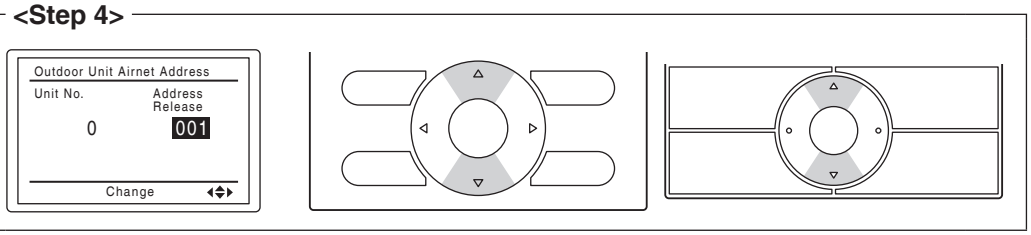
3. If an address is already **"Set"**, press the Menu/OK button to release the current address setting. The mode indication changes from **"Set"** to **"Release"**, and you are now ready to change the address.

<Step 3>



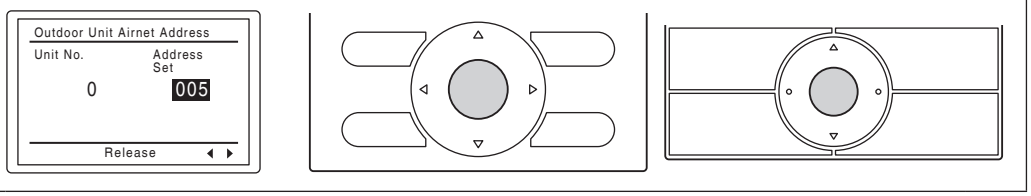
4. Using the Up/Down buttons, change the Airnet address.

<Step 4>



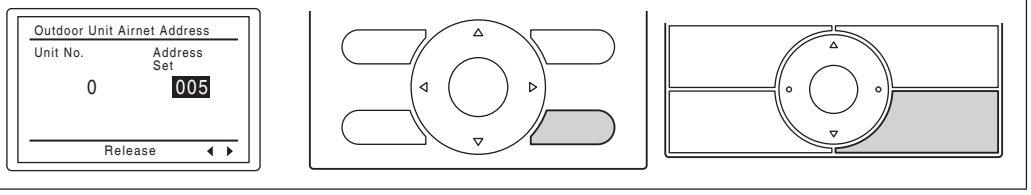
5. Press the Menu/OK button.
   The mode indication changes from **"Release"** to **"Set"**, and the Airnet address is set.

<Step 5>

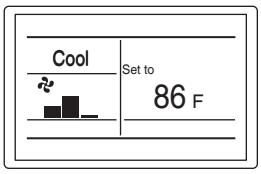


6. Press the Cancel button 2 times. You will now return back to the display shown in Step 6-2.

<Step 6-1>



<Step 6-2>

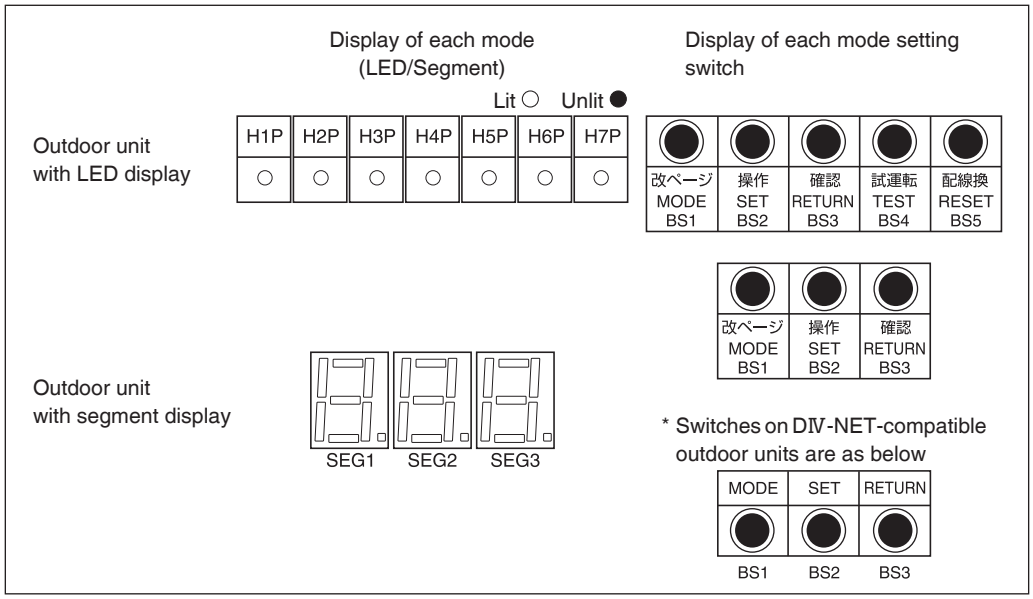


5.1.2 Setting Airnet address and demand address on the outdoor unit

Setup on the outdoor unit

To use the Daikin HERO Pro Edge, you need to set an Airnet address for the outdoor unit. Also, you need to set a demand address and enable demand setting if necessary.
To set the address of an outdoor unit, you can use the push buttons located on the unit's printed circuit board.
The current setting or operating status of an outdoor unit is indicated by the outdoor unit's LED or segment display.
For details, refer to the service manual of the air conditioner.

<LEDs (segment) and setting switches for each mode>



5.1.2.1 Steps for setting the outdoor unit Airnet address

If you cannot set the outdoor unit Airnet address with the wired remote controller, follow the procedure below to perform setting.

1. Press the **BS1** button for 5 seconds or more.
   The LEDs and segments will be in the state shown below.

LED (segment) display									
Outdoor unit of the LED display							Outdoor unit of the segment display		
H1P	H2P	H3P	H4P	H5P	H6P	H7P	SEG1	SEG2	SEG3
○	●	●	●	●	●	●	2	0	0

2. Press the **BS2** button 13 times. (Select the setting value.)
3. Press the **BS3** button.
   You can now find out the current Airnet address setting by the LED (segment).
4. Press the **BS2** button to change to any Airnet address.
   (Set the Airnet address number within the range of 1 to 63.)
5. Press the **BS3** button 2 times to confirm the Airnet address setting.
6. Press the **BS1** button 1 time to return to the normal mode.

5.1.2.2 Setting the demand address and enabling demand setting

Set the demand address.

1. Press the **BS1** button for 5 seconds or more.
   The LEDs and segments will be in the state shown below.

LED (segment) display									
Outdoor unit of the LED display							Outdoor unit of the segment display		
H1P	H2P	H3P	H4P	H5P	H6P	H7P	SEG1	SEG2	SEG3
○	●	●	●	●	●	●	2	0	0

2. Press the **BS2** button 2 times. (Select the setting item.)
3. Press the **BS3** button.
   You can now find out the current demand address setting by the LED (segment).
4. Press the **BS2** button to change to any demand address.
   (Set the demand address number within the range of 1 to 31.)
5. Press the **BS3** button 2 times to confirm the demand address setting.

NOTE

For demand control, use HERO Cloud or the outdoor unit external control adapter.

Next, enable demand setting.

6. Press the **BS2** button 12 times. (Select the setting item.)
7. Press the **BS3** button.
   You can now find out the currently set value (enabled/disabled) by the LED (segment).
8. If it is disabled, press the **BS2** button 1 time to enable it.
   When demand setting is enabled, the LEDs and segments will be in the state shown below.

Setting item	LED (segment) display									
	Outdoor unit of the LED display							Outdoor unit of the segment display		
Demand setting (enabled)	H1P	H2P	H3P	H4P	H5P	H6P	H7P	SEG1	SEG2	SEG3
	○	●	●	●	●	○	●	0	0	1

9. Press the **BS3** button 2 times to confirm the set value.
10. Press the **BS1** button 1 time to return to the normal mode.

5.1.2.3 Setting items LED (segment) display

When you press the **BS2** button and select setting items, the LED (segment) display will be in the state shown below.

Setting items	Outdoor unit of the LED display							Outdoor unit of the segment display		
Outdoor unit AIRNET address setting	H1P	H2P	H3P	H4P	H5P	H6P	H7P	SEG1	SEG2	SEG3
	○	●	●	○	○	●	○	2	1	3
demand address setting	○	●	●	●	●	○	●	2	0	2
demand setting Enabled/Disabled	○	●	●	○	○	●	●	2	1	2

The address setting of the outdoor unit is complete.

5.2 Setting a label for the air conditioner

The DIV-NET system requires a “Label” to be set to facilitate monitoring/control by centralized control equipment such as the Daikin HERO Pro Edge.

This section explains how to set the Label using the wired remote controller for the air conditioner.

NOTE

- The label setting range for indoor units is 1 to 128, and for outdoor units it is 1 to 20.
- Ensure that no duplicate Indoor unit Labels nor duplicate Outdoor unit Labels are set to the same DIV port number.
- The wired remote controller BRC1E* does not support label setting.

5.2.1 Setting Labels via the wired remote controller (BRC1NRV71/BRC1NRV72)

Labels must be set for each indoor unit (including group SUBs) and outdoor unit (master only for multi units).

NOTE

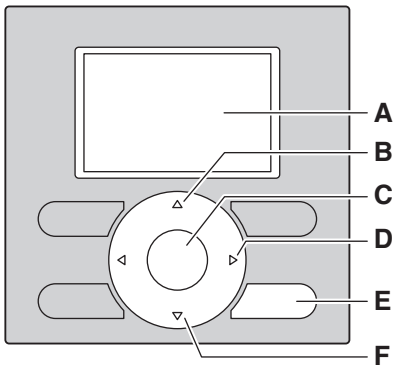
For how to set Labels for ventilation equipment (Heat Reclaim Ventilation units) and various adaptors, refer to their respective documentation.

Names of buttons and display

Below are the names of the buttons and display of wired remote controller.

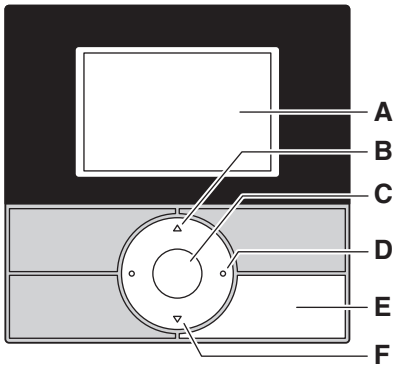
A Liquid-crystal display (with backlight)
B Up button ▲
C Menu/OK button
D Right button ▶
E Cancel button
F Down button ▼

BRC1NRV71



A Liquid-crystal display (with backlight)
B Up button ▲
C Menu/OK button
D Right button
E Cancel button ⮌
F Down button ▼

BRC1NRV72



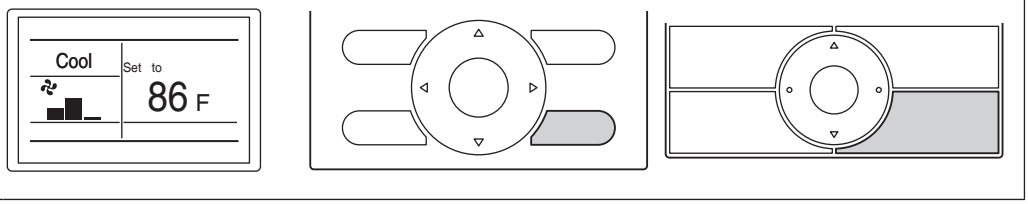
NOTE

You cannot perform the following procedure when the display backlight is off.
In this case, press any key to turn on the backlight before starting the procedure.

Setting Indoor unit Label for DIII-NET

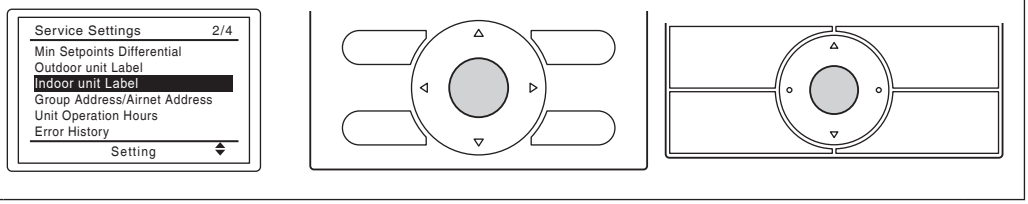
1. Press and hold the Cancel button for 4 seconds or more.
   The **"Service Settings"** menu is displayed.

<Step 1>



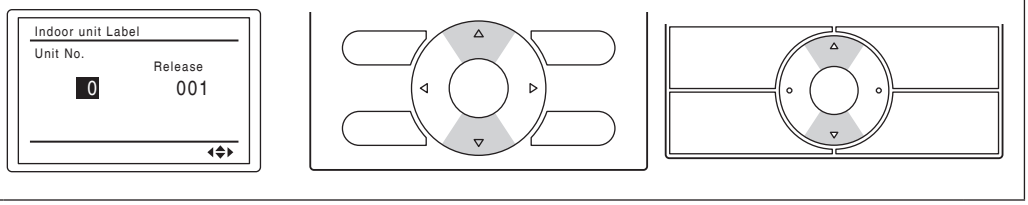
2. Select **"Indoor unit Label"** in the **"Service Settings"** menu, and press Menu/OK button. **"Indoor unit Label"** screen is displayed.

<Step 2>



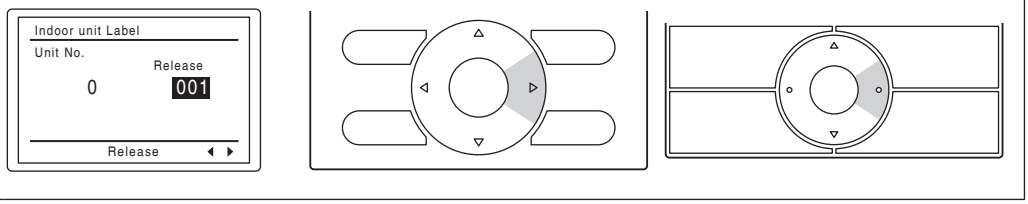
3. Select the **"Unit No."** you want to set by using Up/Down buttons.

<Step 3>



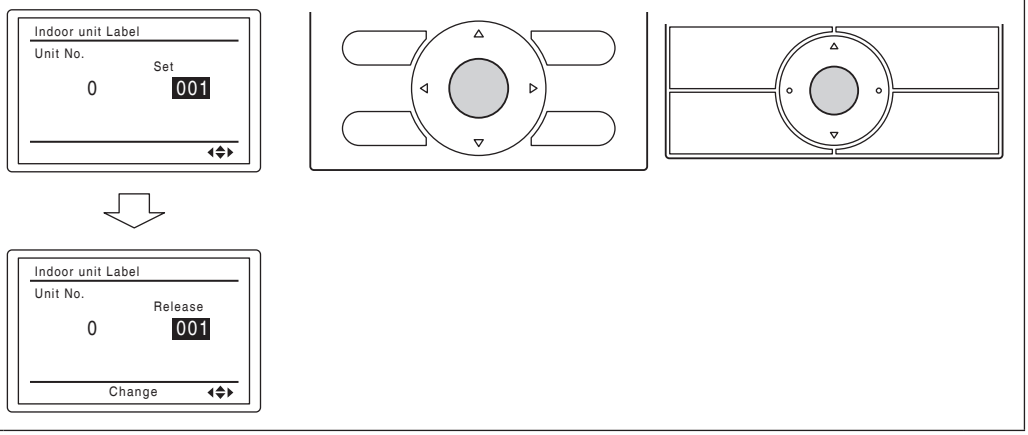
4. Press the Right button to move to the **"Label No."**.

<Step 4>



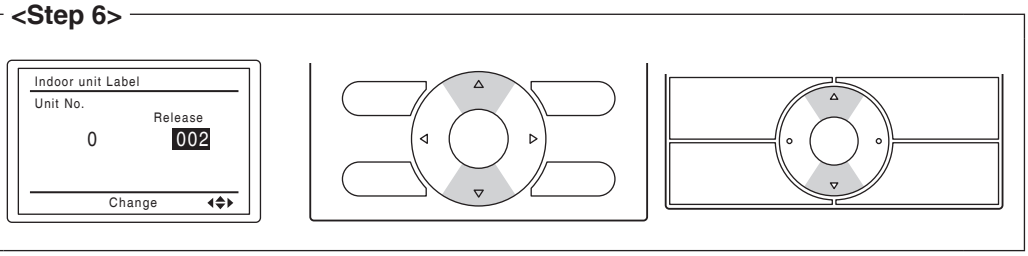
5. If the **"Label No."** is already **"Set"**, press Menu/OK button to release the current label setting. The mode indication changes from **"Set"** to **"Release"**, and you are now ready to change the **"Label No."**.

<Step 5>



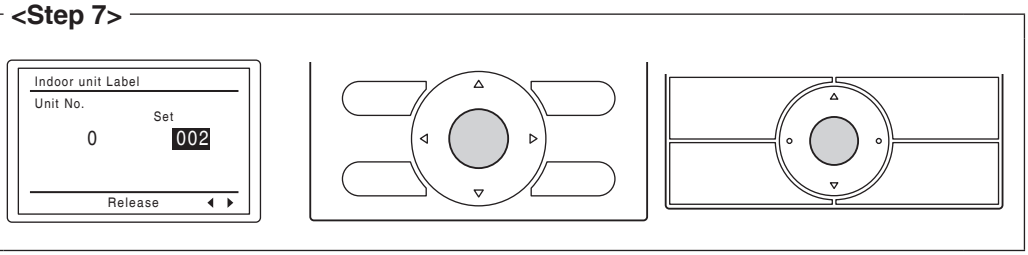
6. Select the **"Label No."** you want to set by using Up/Down buttons.

<Step 6>



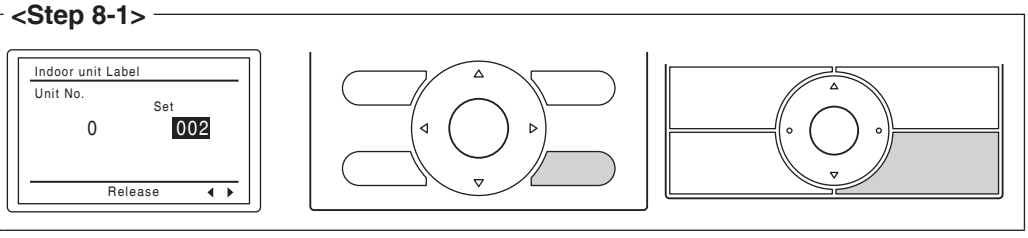
7. Press Menu/OK button.
   The indication changes from **"Release"** to **"Set"**, then the **"Indoor unit Label"** is set.

<Step 7>

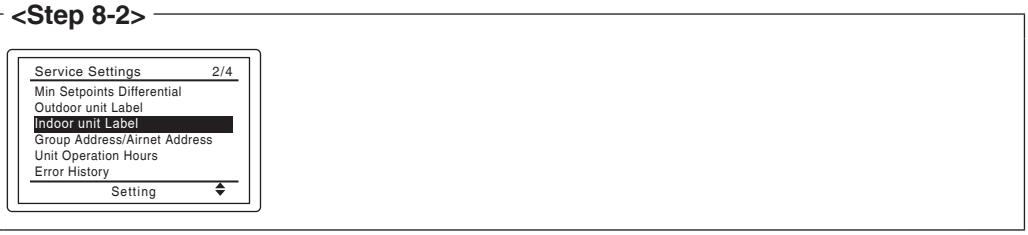


8. Press the Cancel button 1 time. You will now return back to the display shown in Step 8-2.

<Step 8-1>



<Step 8-2>

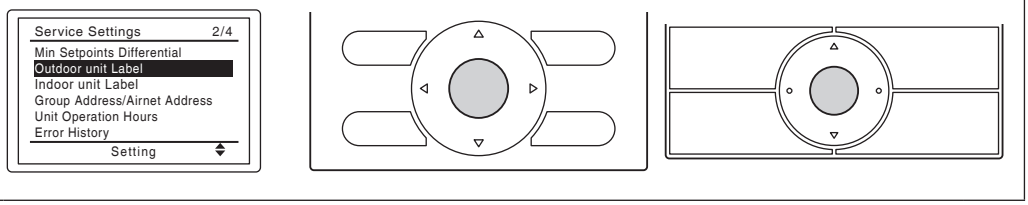


Setting Outdoor unit Label for DIV-NET

"Outdoor unit Label" is displayed when the outdoor unit is recognized from the indoor unit.

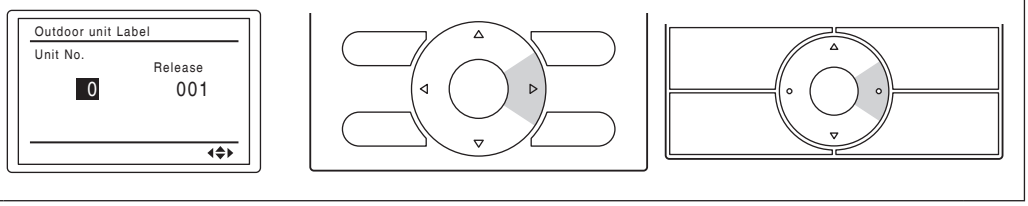
1. Select **"Outdoor unit Label"** in the **"Service Settings"** menu, and press Menu/OK button.
   "Outdoor unit Label" screen is displayed.

<Step 1>



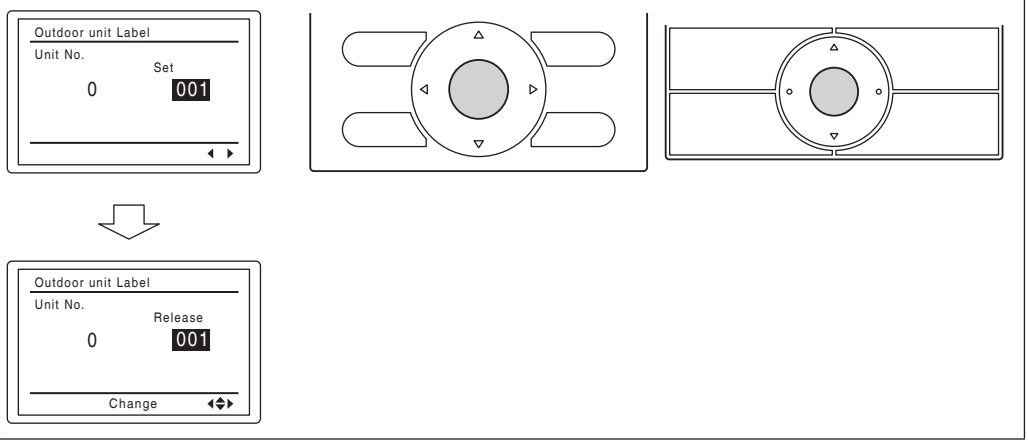
2. Press the Right button and move to the **"Label No."**.

<Step 2>



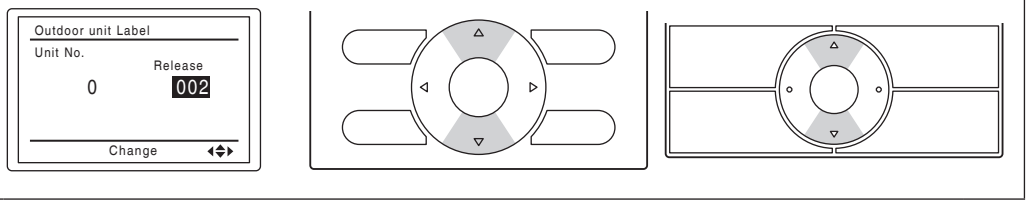
3. If the **"Label No."** is already **"Set"**, press Menu/OK button to release the current label setting.
   The mode indication changes from **"Set"** to **"Release"**, and you are now ready to change the **"Label No."**.

<Step 3>



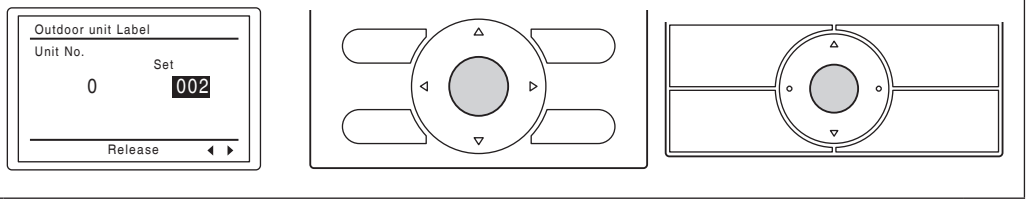
4. Select the **"Label No."** you want to set by using Up/Down buttons.

<Step 4>



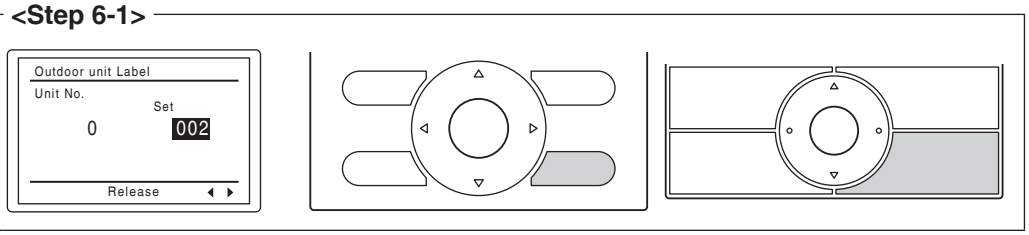
5. Press Menu/OK button.
   The indication changes from **"Release"** to **"Set"**, then the **"Outdoor unit Label"** is set.

<Step 5>

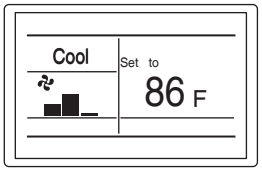


6. Press the Cancel button 2 times. You will now return back to the display shown in Step 6-2.

<Step 6-1>



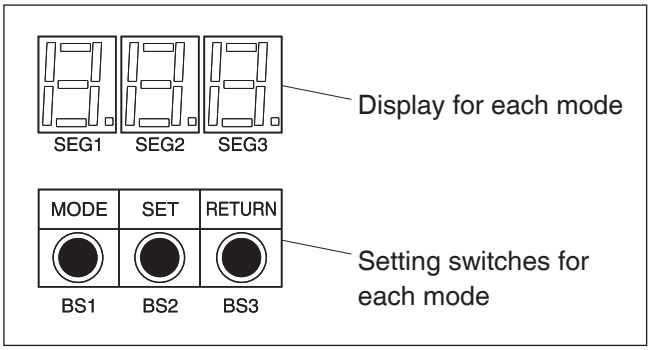
<Step 6-2>



5.2.2 Setting labels via outdoor unit

In addition to setting via wired remote controller, the outdoor unit label may also be set using the buttons on the printed circuit board of the outdoor unit.
Current setting or operating status is indicated by the segments for the outdoor unit.
Refer to the air conditioner service manual for details.

<Segments and setting switches for each mode>



Procedure for setting labels on outdoor units

1. Press the **BS1** button for 5 seconds or more.
   The display will show the following.

The segment display		
SEG1	SEG2	SEG3
2	0	0

2. Press the **BS2** button 14 times. (Selects the setting value.)
   The display will show the following.

Setting item	The segment display		
	SEG1	SEG2	SEG3
Outdoor unit label setting	2	1	4

3. Press the **BS3** button.
   The segment display will show the current setting for Label No.
4. Press the **BS2** button to change the Label No. to the desired setting.
   (Set it to a value between 1 and 20.)
5. Press the **BS3** button 2 times to confirm the Label No. setting.
6. Press the **BS1** button 1 time to return to normal mode.

5.2.3 Enabling outdoor unit demand setting

If a label has been set for the outdoor unit, it is not necessary to set a demand address, however, it is necessary to enable demand.

1. Press the **BS1** button for 5 seconds or more.
   The segments will be in the state shown below.

Segment display		
SEG1	SEG2	SEG3
2	0	0

2. Press the **BS2** button 12 times. (Select the setting item.)
3. Press the **BS3** button.
   You can now find out the currently set value (enabled/disabled) by the segment.
4. If it is disabled, press the **BS2** button 1 time to enable it.
   When demand setting is enabled, the segments will be in the state shown below.

Segment display		
SEG1	SEG2	SEG3
0	0	1

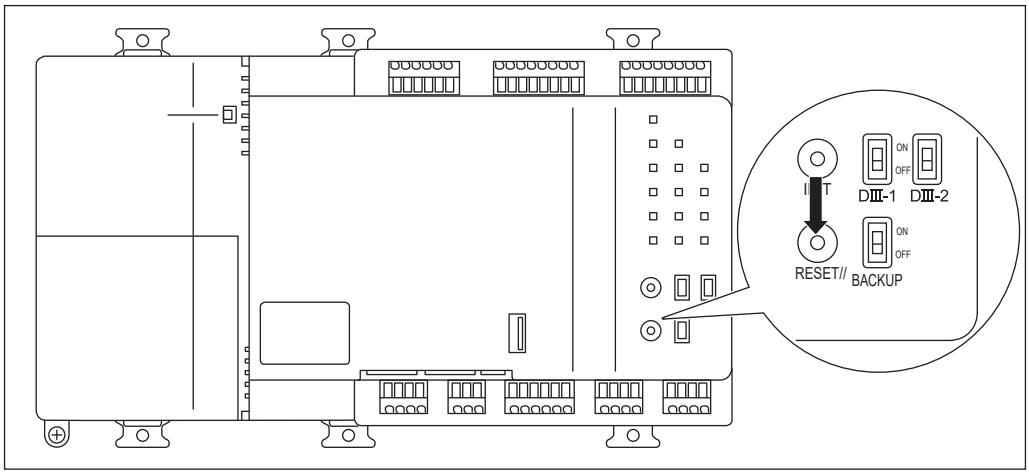
5. Press the **BS3** button 2 times to confirm the set value.
6. Press the **BS1** button 1 time to return to the normal mode.

6 Quick Operation Guide

6.1 Resetting the unit

The Daikin HERO Pro Edge can be restarted by pressing the **[RESET//]** button. Operate the **[RESET//]** button using a thin rod or similar item.

<RESET>



⚠ CAUTION

Do not perform the operation with a pointed item. Doing so may result in malfunction.