

# DESIGN & TECHNICAL MANUAL

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ZONE CONTROL INTERFACE



UTY-CDPXZC  
UTY-CDPXZD

WIRED REMOTE CONTROLLER



UTY-RVNYN

WIRELESS LAN ADAPTER



UTY-TFNXZ3

MOBILE APP



FGLair

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# **Part 1. ZONE CONTROL SYSTEM**

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**MODEL NAME:**

**WIRED REMOTE CONTROLLER  
UTY-RVNYN**

**ZONE CONTROL INTERFACE  
UTY-CDPXZC  
UTY-CDPXZD**

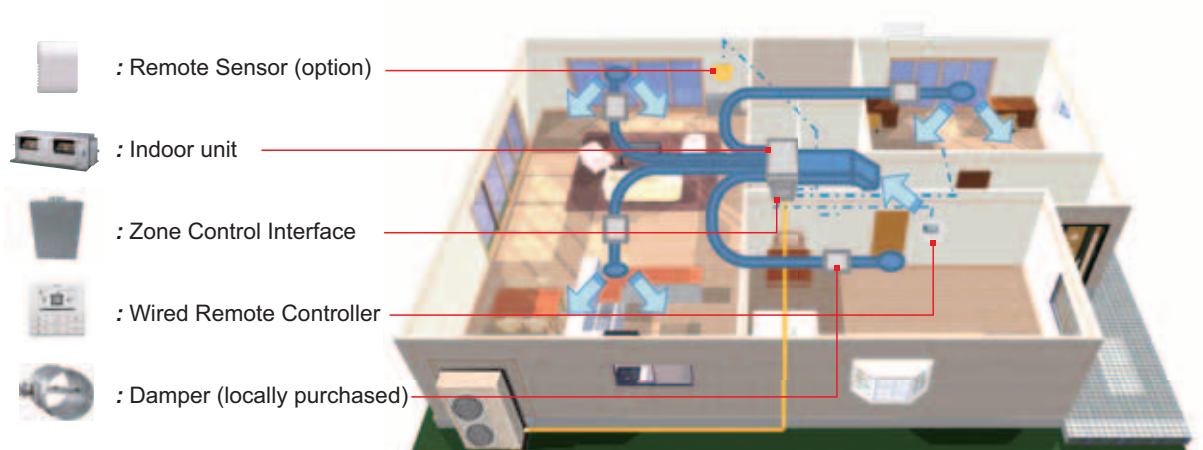


## 2. Model lineup

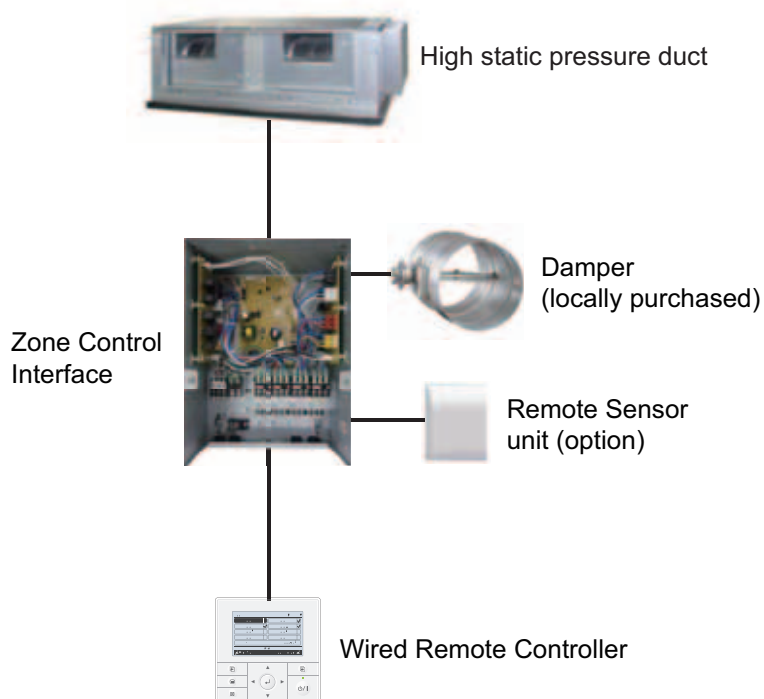
Wired remote controller	Zone control interface
	
<p>UTY-RVNYN</p>	<p>UTY-CDPXZC UTY-CDPXZD</p>

### 3. Overview

Zone control system controls the air conditioning of each room (zone) by the air conditioning system with forced draft air duct to reach the pleasant room temperature.

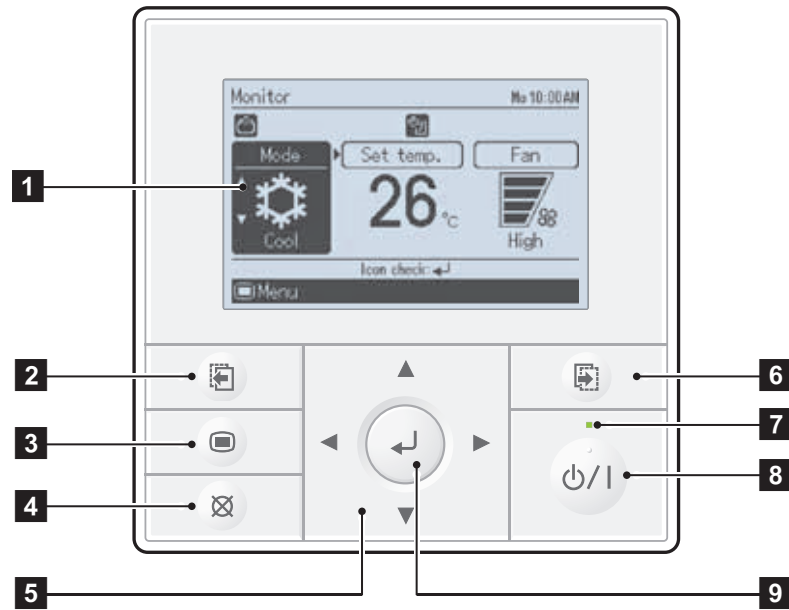


This system controls the individual air flow to each zone by opening and closing the damper installed at the blowing side of high static pressure duct.





### 3-1. Wired remote controller



- 1** Display panel (with backlight)
- 2** Screen switch button (Left)
- 3** Menu button
- 4** Cancel button
- 5** Cursor button
- 6** Screen switch button (Right)
- 7** Power indicator
- 8** On/off button
- 9** Enter button

## ■ Function setting list

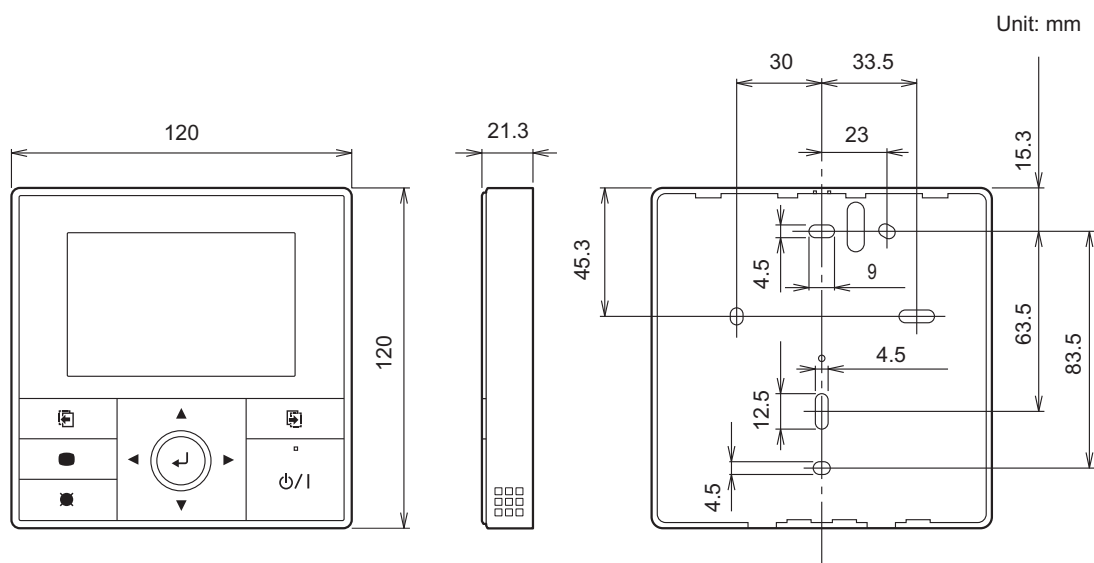
Item			UTY-RVNYN
Air conditioning control function	Operation on/off		○
	Operation mode setting		○
	Fan speed setting		○
	Set temperature setting		○
	Set temperature range limitation		○
	Test run		○
	Economy setting		○
	Set temperature auto return		○
Display	Failure		○
	Defrosting		○
	Current time		○
	Day of week		○
	R.C. prohibition		○
	Address display		○
	Room temp		○
	Summer time		○
	Filter sign		○
	Backlight		○
Timer	Schedule timer	Period	Week
		On/off, Temp, mode, time, per day	8 × 2 <sup>*1</sup>
	On/off timer		○
	Auto off timer <sup>*2</sup>		○
	Day off		○
	Min. unit of timer setting (minutes) <sup>*3</sup>		○
	Weekly timer		○
Control	Error history		○
	Key lock		○
	Operation mode exemption		○
	Management (password)		○
Zone setting	Zone setting (on/off)		○
	Room temperature sensor setting		○
	Zone group setting (day/night/all)		○
	Name setting (zone/sensor/group)		○

○: Available, —: Not available

- <sup>\*1</sup>: Indoor unit on/off, temperature, and open/close can be set up to 8 times/day by weekly timer.  
Since the weekly timer can set the schedule for 2 weeks, different setting can be used for summer and winter.
- <sup>\*2</sup>: Count down of the Auto-off timer is valid only if the air conditioning operation has been started with the On/off button of this remote controller.
- <sup>\*3</sup>: On/off timer can be set in 30 minutes increments. Auto off timer and set temperature auto return can be also set in 10 minutes increments.

## 4. Specifications

### 4-1. Wired remote controller



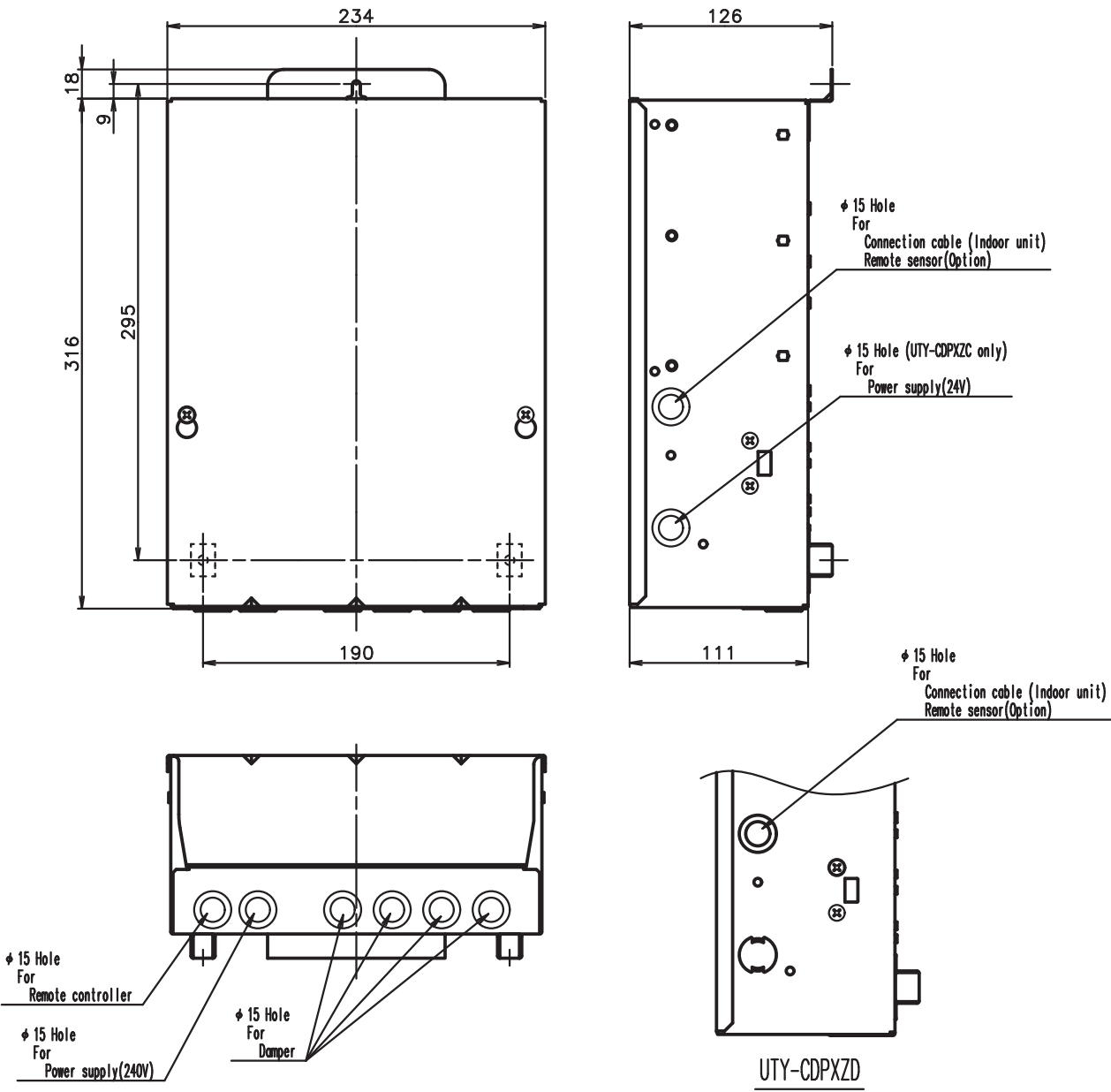
Size (H × W × D)	mm	120 × 120 × 21.3
Weight	g	220

### ■ Wiring specifications

Use	Size	Wire type	Remarks
Remote controller cable	0.33 mm <sup>2</sup> (22AWG)	Polar 3 core	Use shielded cable (locally purchased) in accordance with the regional cable standard.

# 4-2. Zone Control Interface

Unit: mm



Model name			UTY-CDPXZC	UTY-CDPXZD
Power supply			240 V ~ 50 Hz	
	Damper		24 V ~ 50 Hz	240 V ~ 50 Hz
Zone			1 to 8	
Dimensions (H × W × D)	Net	mm	316 × 234 × 126	
	Gross	mm	410 × 285 × 205	
Weight	Net	kg	2.1	2.3
	Gross		3.0	

## ■ Others

### ● Damper motor and cable (locally purchased)

Model name			UTY-CDPXZC	UTY-CDPXZD
Damper motor	Voltage		AC24 V	AC240 V
	Frequency	Hz	50	
	Maximum operating current(per a damper)	mA	360 or less	70 or less
	Maximum electric power (per a damper)	VA	7 or less	12 or less
Damper motor cable	Wire diameter	mm <sup>2</sup>	0.48 or more	0.75
	Type		RJ12 6-polar, 6-core	Type 60227 IEC52 or 53

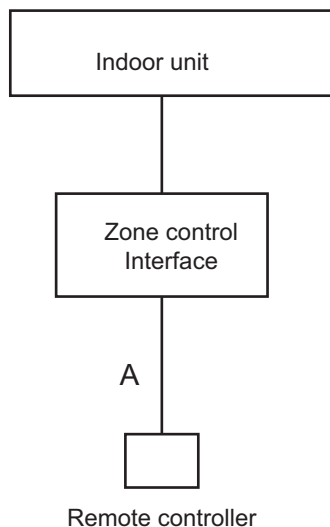
### ● Transformer (locally purchased)

Transformer	Specification
UTY-CDPXZC (24 V)	Select an appropriate transformer for the damper specification.

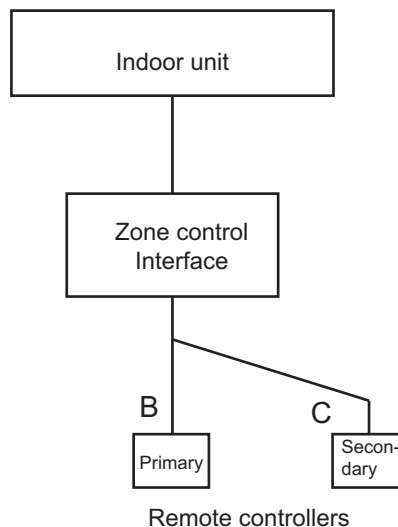
## 5. Wiring design

### 5-1. System diagram

1 remote controller

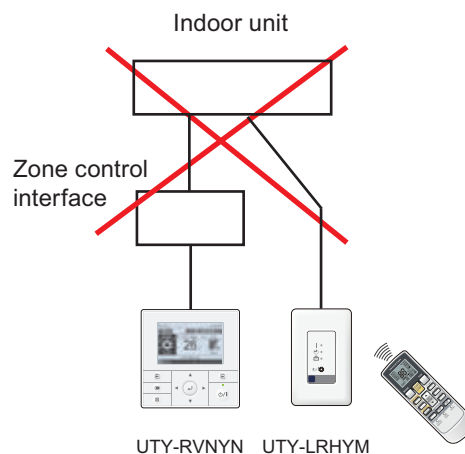
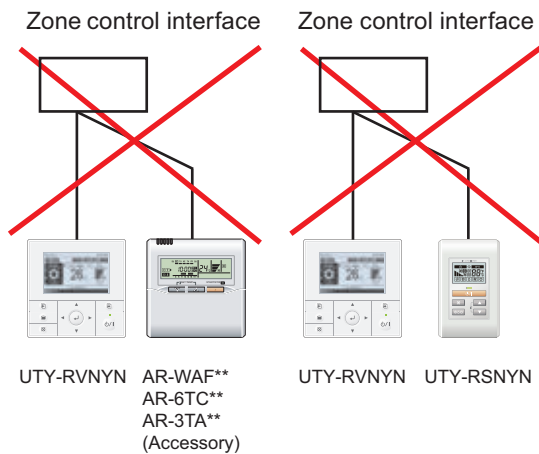


2 remote controllers



A, B, and C: Remote controller cable.

#### Prohibited uses:



\*: Arbitrary character.

## 6. Installation

### ⚠ CAUTION

To prevent personal injury, property damage, or product malfunction, read the installation manual attached with the product carefully, and be sure to comply with the safety precautions.

### 6-1. Wired remote controller

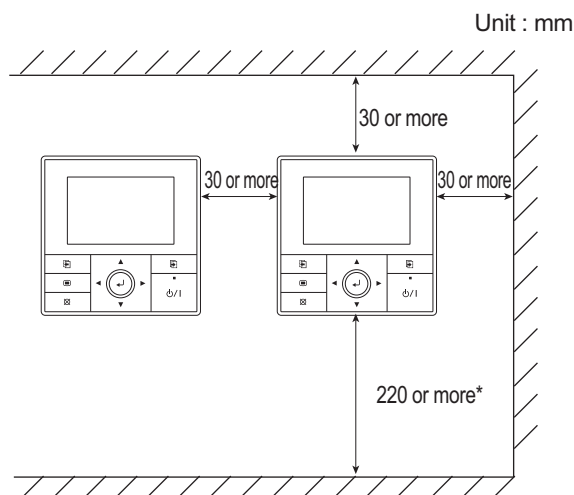
#### ⚠ WARNING

When installing this unit, make sure that there are no children nearby. Otherwise, injury or electric shock could result.

#### ⚠ CAUTION

- Before opening the case of this unit, completely discharge static electricity charged on your body. Not doing so will cause trouble.
- Do not touch the circuit board and circuit board parts directly with your hands. Otherwise, injury or electric shock could result.
- Be careful so that the front case does not fall after the front case are removed. Otherwise, a damage of the front case could result.
- To avoid incoming water or insects along the cable, always establish a trap and seal the wiring hole.
- Overtighten of the screws may cause a distortion or a damage of the rear case.
- Do not make any additional hole the rear case to avoid a damage.
- Do not use any other screws than the included ones. Using of other screws may cause a product malfunction or damage.

### ■ Installation space

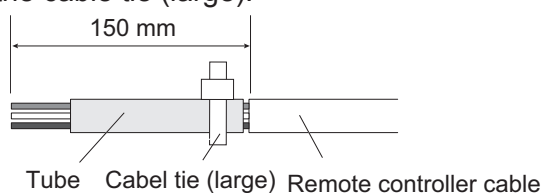


\* Secure enough space where a flat screwdriver to take off a case can be inserted.

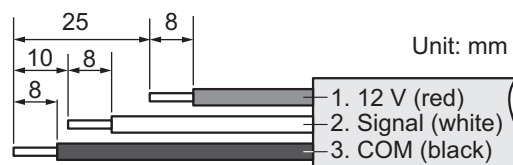
## ■ Installation procedure

### 1. Processing of the remote controller cable:

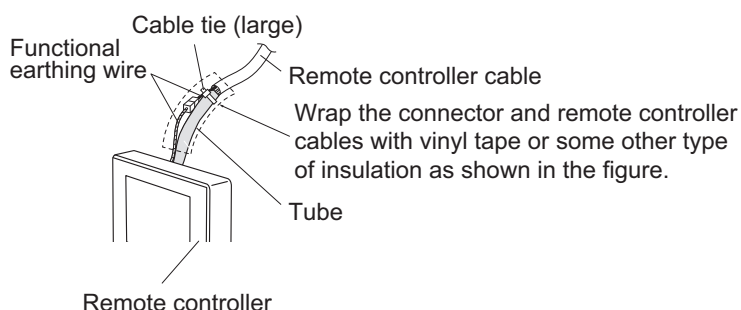
- a. Fix the near end of the tube with the cable tie (large) firmly. Do not fix the functional earthing wire with the cable tie (large).



- b. Strip off the coating of wires of the remote controller cable as follows.

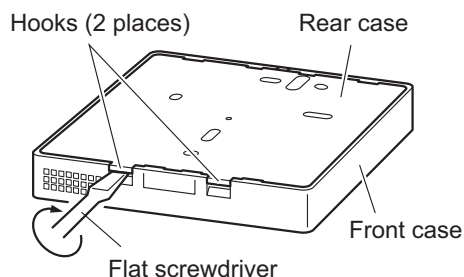


- c. Connect the functional earthing wire of remote controller and the remote controller cable, and perform the insulation.



### 2. Remove the front case:

Insert the flat-blade screwdriver and remove the front case and rear case by twisting it slightly.

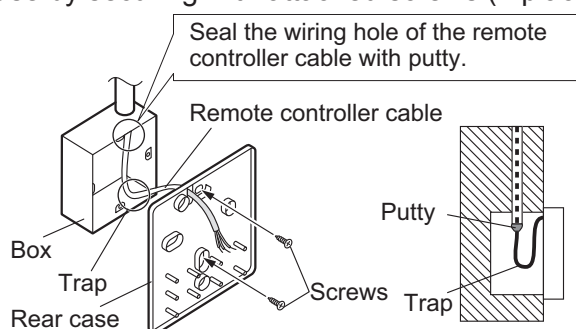




### 3. Installing the remote controller:

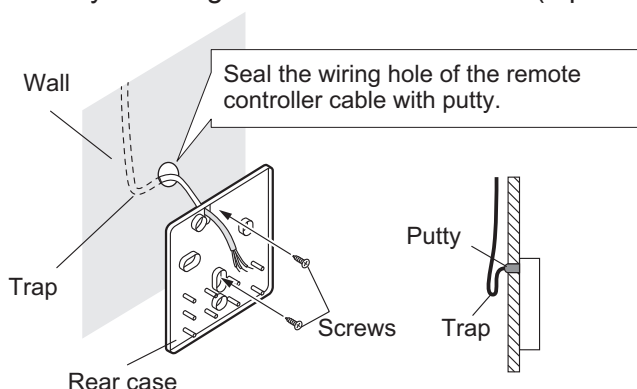
#### • When attaching to switch box:

- Seal the wiring hole of the remote controller cable.
- Put a remote controller cable through the hole of the rear case.
- Fix the rear case by securing with attached screws (2 places).



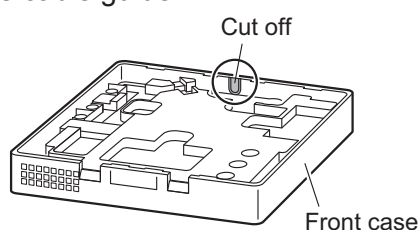
#### • When attaching to the wall directly:

- Seal the wiring hole of the remote controller cable.
- Put a remote controller cable through the back hole of the rear case of the main body.
- Fix the rear case by securing it with attached screws (2 places).

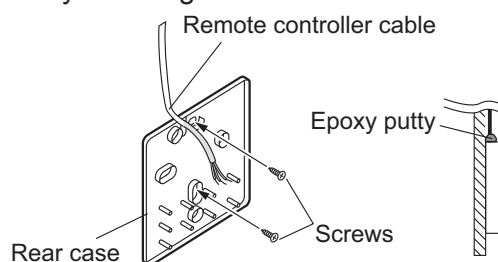


#### • When routing the cable on the wall:

- Cut off the cable guide of the front case with using a knife or a nipper.
- Deburr the edge of the cable guide.

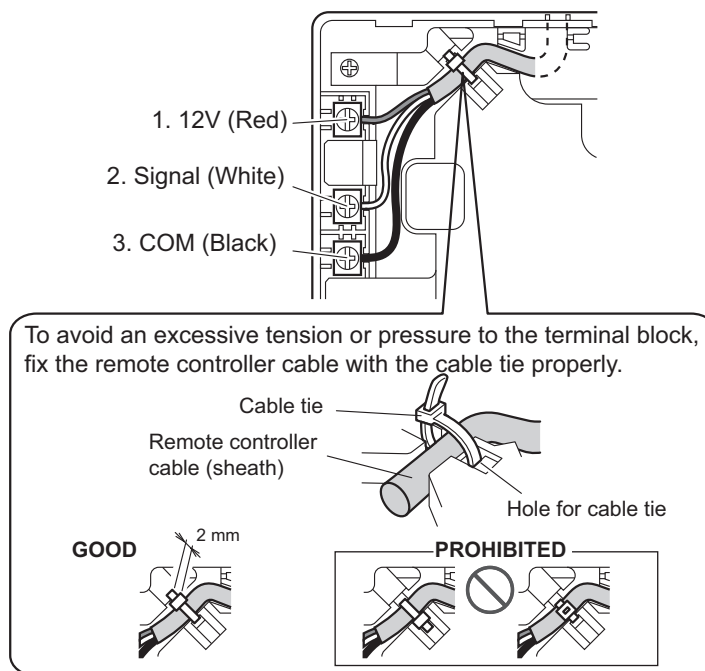


- Fix the rear case by securing it with attached screws (2 places).



4. Connect the cable to the terminals on the front case:  
Fix the cable together with the sheath by using the cable tie. Cut off the excess cable tie.

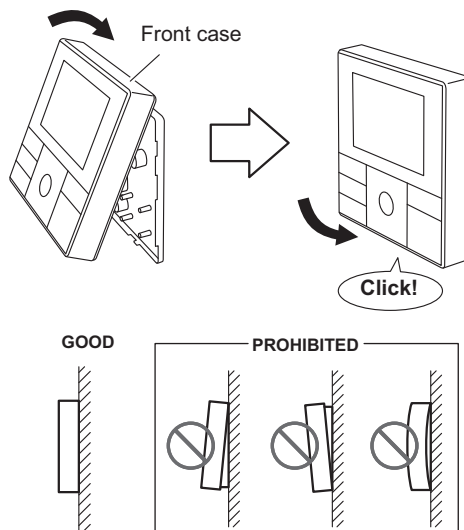
Tightening torque	
Terminal screw	0.8 to 1.2 N·m



#### ⚠ CAUTION

- Be careful to avoid breaking the cable by over-tightening the cable tie.
- When connecting the remote controller cables, do not over-tightening the screws.

5. Attach the front case:  
Insert after adjusting upper part of front case. When insert the front case, do not pinch the cable.



#### ⚠ CAUTION

Insert the upper case firmly. If improperly attached, it will cause the upper case to fall off.

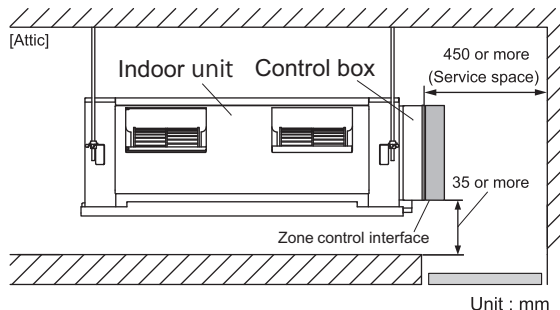
## 6-2. Zone control interface

### ■ Installation space

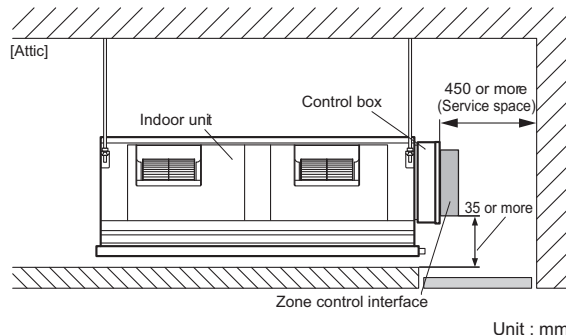
Leave space at the bottom of zone control interface so that the cables can be routed from the underside of the unit.

For service space, refer to the installation manual of each indoor unit.

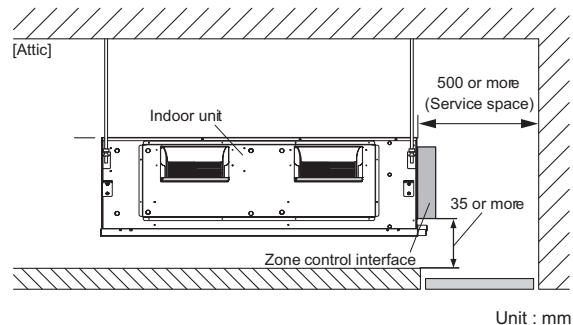
• ART 30/36



• ART 72/90



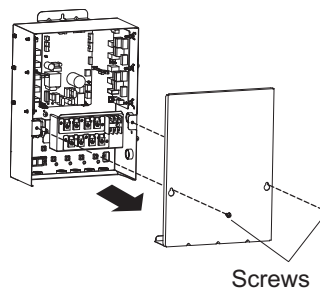
• ART 45/54/60



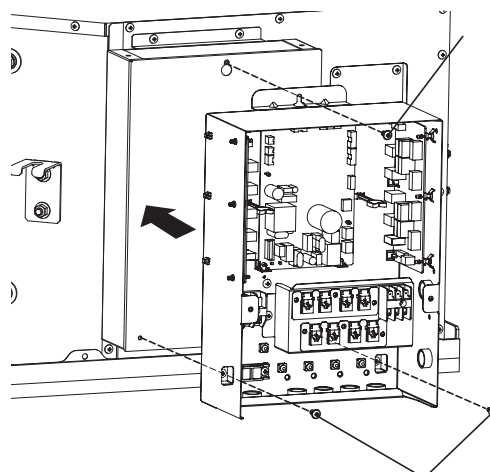
### ■ Installation procedure

#### ● Installation to indoor unit

1. Remove the cover of zone control interface.



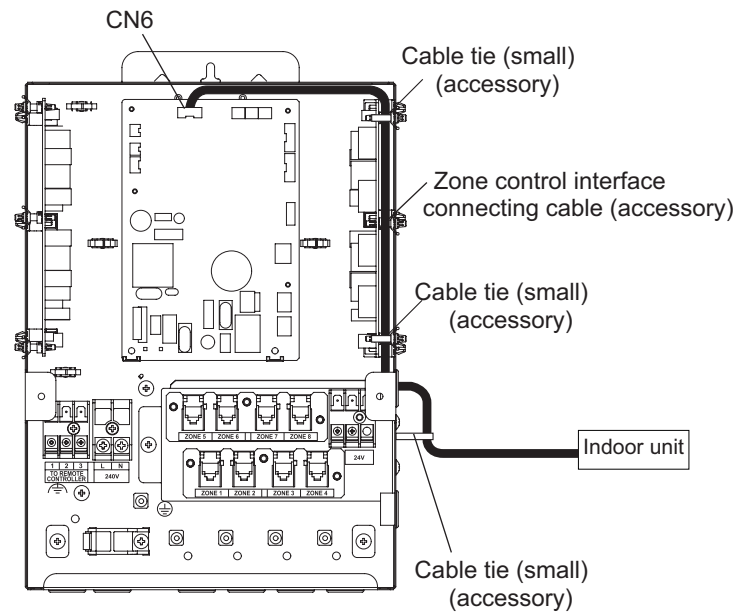
2. Attach the zone control interface to the indoor unit.



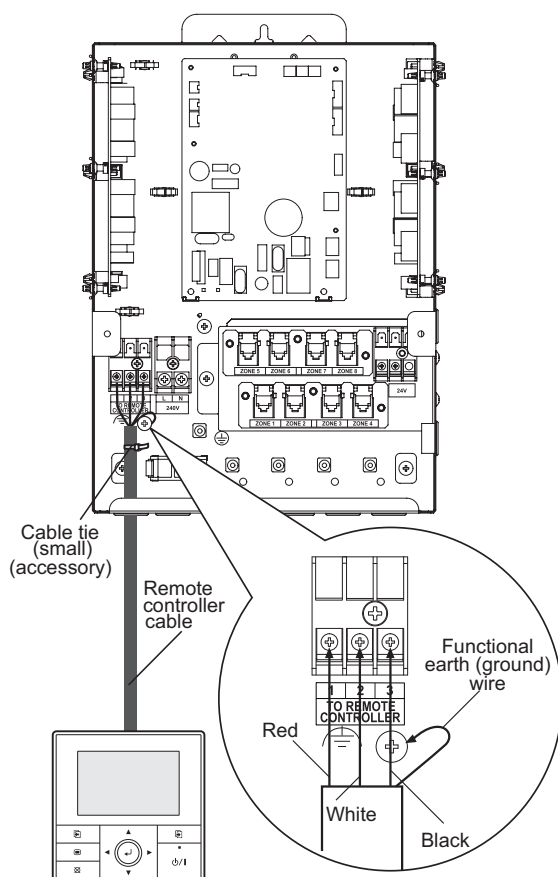
## ● Wiring of zone control interface

### 1) UTY-CDPXZC

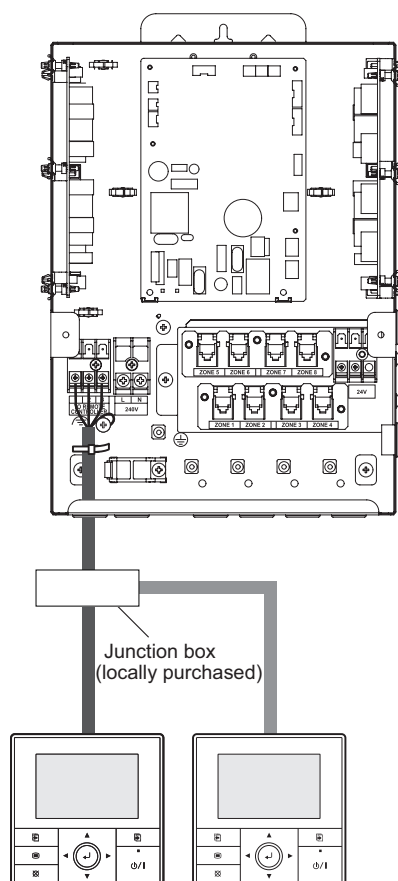
#### 1. Connecting with indoor unit:



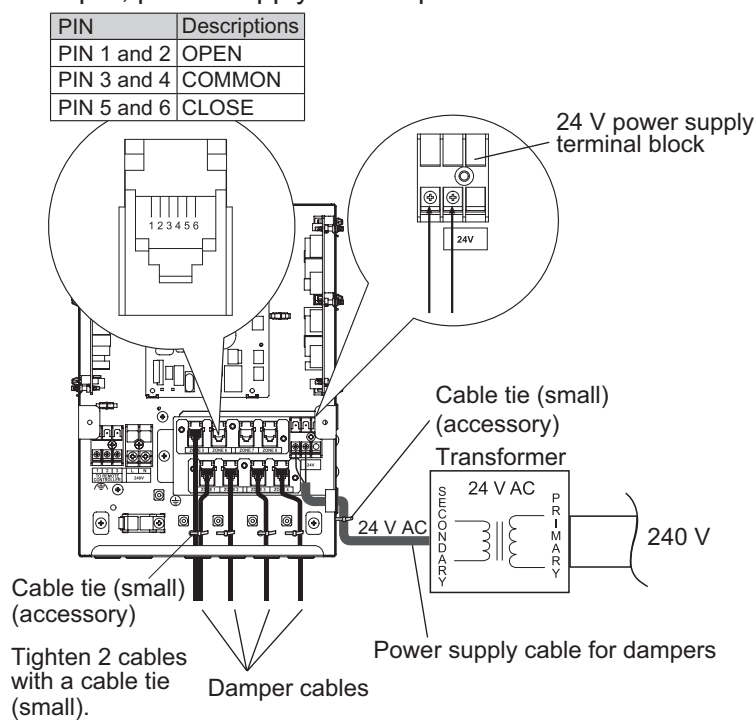
#### 2. Connecting with remote controller:



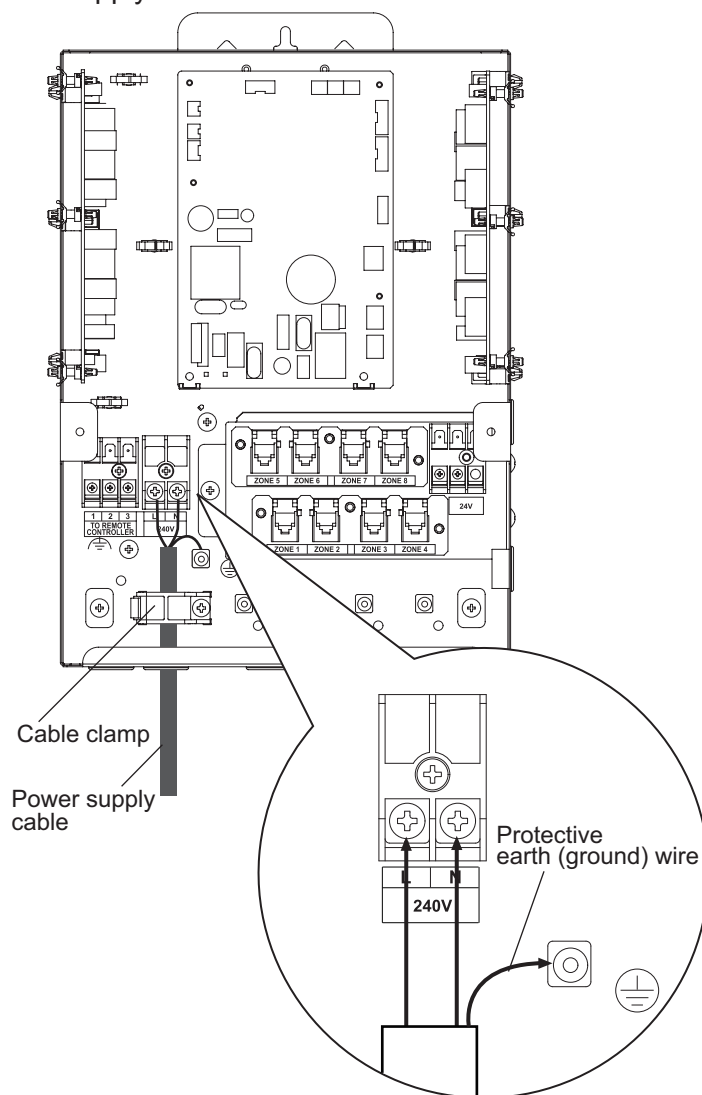
Up to 2 more controllers can be  
When you install 2 remote controllers, use junction box



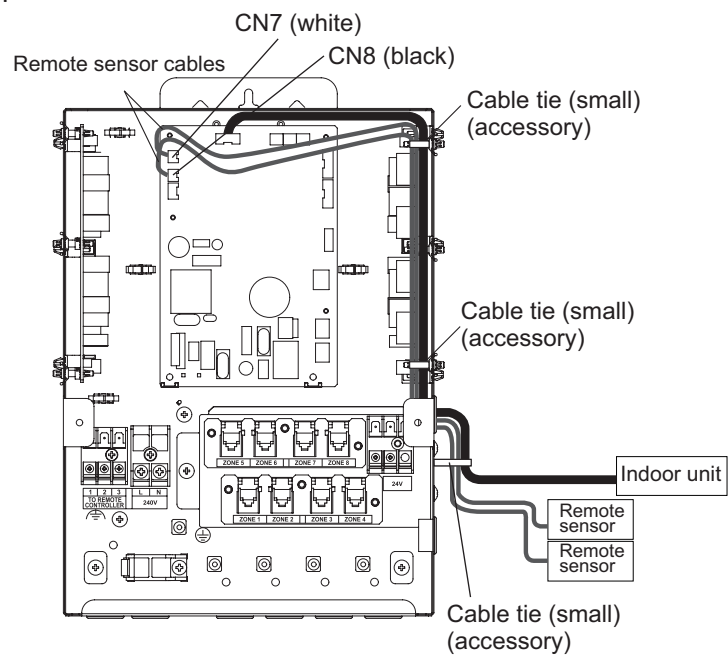
### 3. Connecting with damper, power supply for dampers:



### 4. Connecting with power supply:

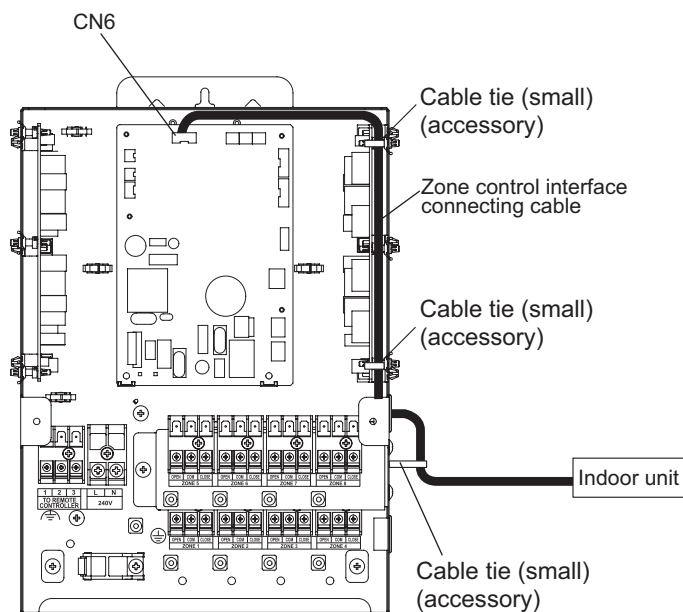


5. Connecting with optional remote sensor:

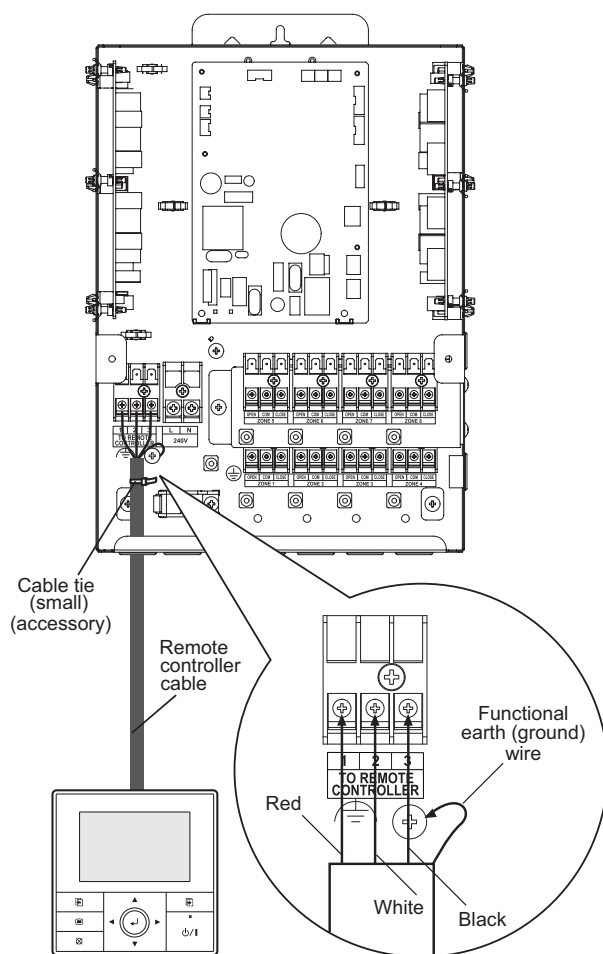


## 2) UTY-CDPXZD

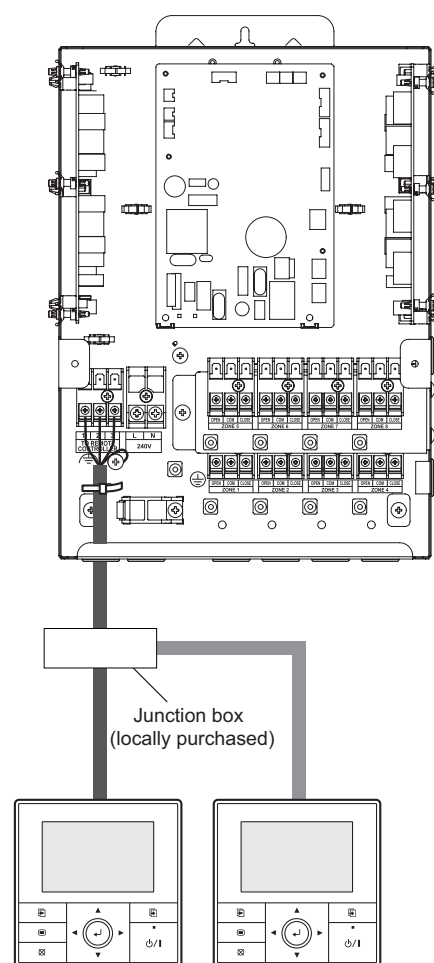
### 1. Connecting with indoor unit:



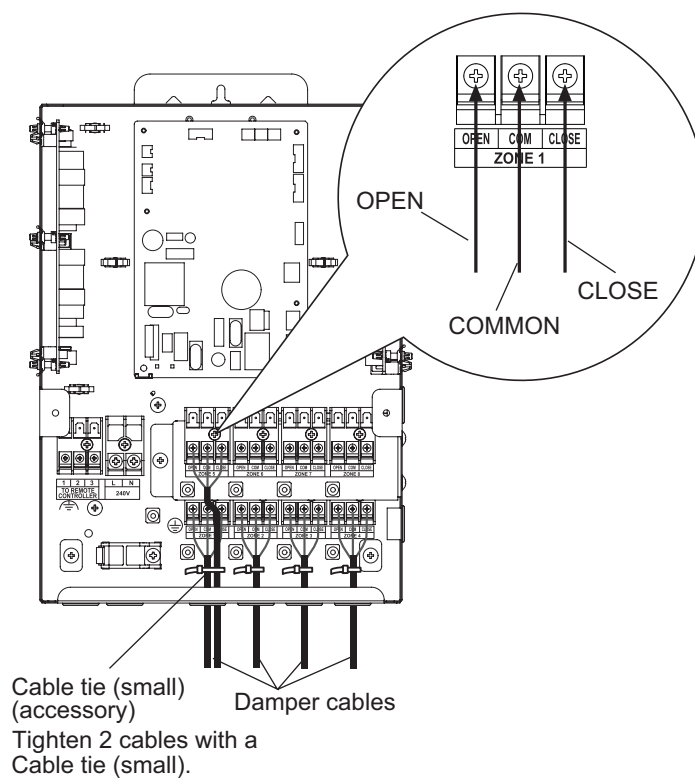
### 2. Connecting with remote controller:



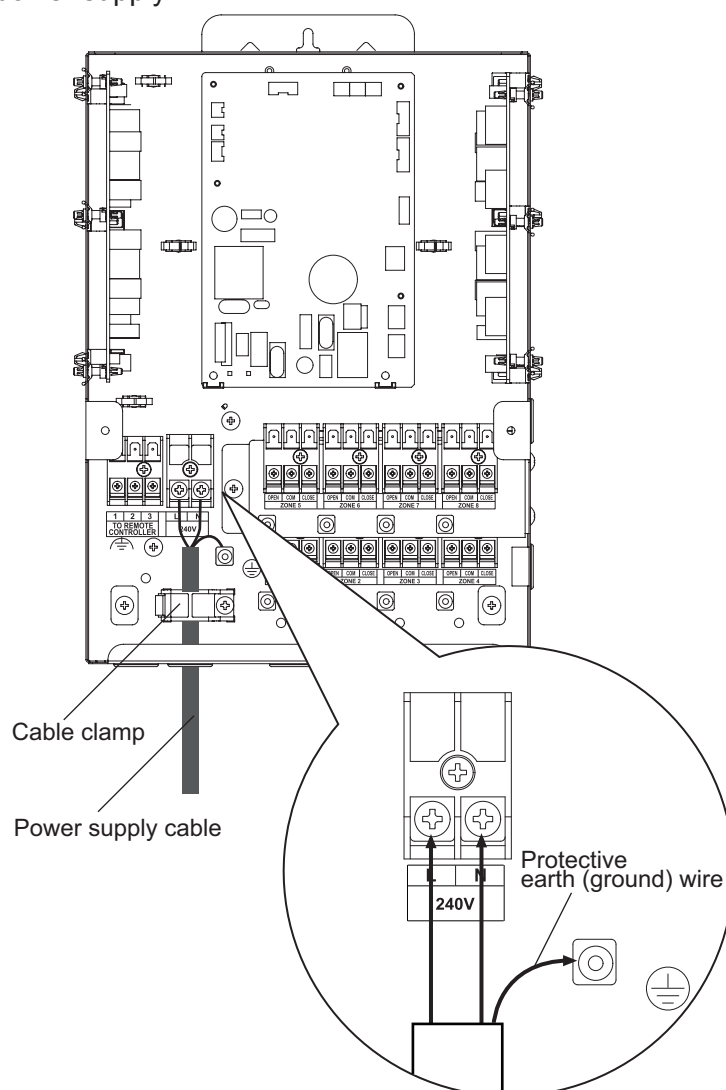
Up to 2 more controllers can be installed.  
When you install 2 remote controllers, use junction box



### 3. Connecting with damper, power supply for dampers:

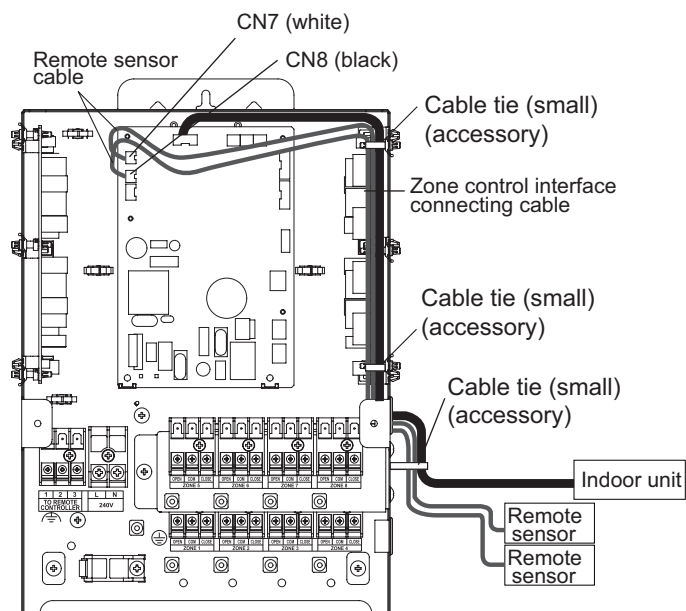


### 4. Connecting with power supply:





5. Connecting with optional remote sensor:



## 7. Function settings

To adjust the functions of this product according to the installation environment, various types of function settings are available.

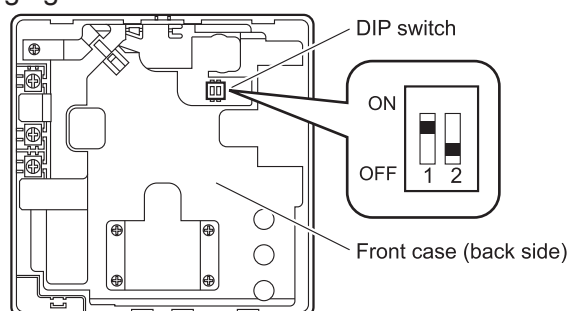
**NOTE:** Incorrect settings can cause a product malfunction.

### 7-1. Function settings on wired remote controller

By using some components on the wired remote controller, you can change the function settings related on the remote controller.

#### ■ Component location

Components on the wired remote controller used for the function settings are located as shown in the following figure.



#### ■ DIP switch setting

- **SW1: Memory backup setting**

Set to ON to use the batteries for memory backup. If the batteries are not used, all of the settings stored in the memory will be deleted if there is power failure.

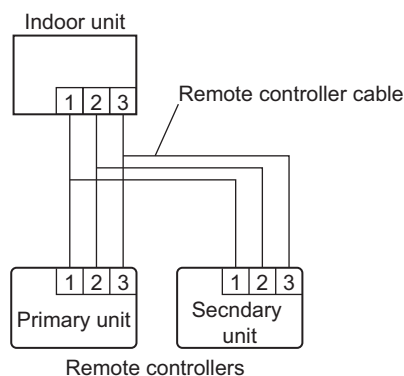
**NOTE:** In case of simple remote controller, DO NOT turn it on.

SW1	Memory backup	Factory setting
OFF	Disable	◆
ON	Enable	

- **SW2: Dual remote controller setting**

Number of remote controller can be changed.

Number of remote controller	Primary unit	Secondary unit	Factory setting
	SW2	SW2	



## 7-2. Function settings by using remote controller

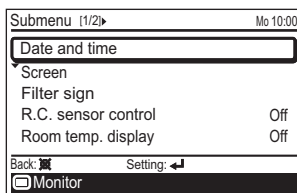
Some function settings can be changed on the remote controller. After confirming the setting procedure and the content of each function setting, select appropriate functions for your installation environment.

**NOTE:** Incorrect settings can cause a product malfunction.

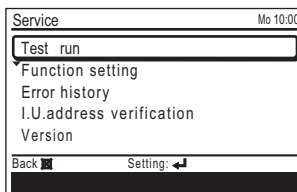
### ■ Function settings of indoor unit

For the function setting, refer to the Design & technical manual for each product.

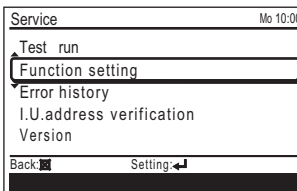
1. Turn on the power.
2. When [Menu button] is pressed twice while “Monitor” screen is displayed, it switches to the “Submenu” screen. If [Menu button] is pressed while the “Submenu” screen is displayed, the display returns to the “Monitor” screen.



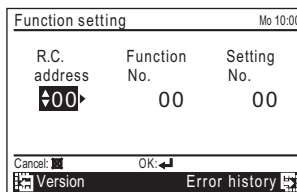
3. Press the [Screen switch button (Left)] and [Screen switch button (Right)] simultaneously for 5 seconds to switch to “Service” screen.



4. Select [Function setting] with pressing the [Cursor button (Up/Down)], and press the [Enter button].



5. Select [R.C. address] of the target indoor unit with pressing the [Cursor button (Up/Down)]. (R.C. Address : Remote Controller Address)



6. Select the [Function No.] with pressing the [Cursor button (Left/Right)], and select the Function No. to be set with pressing the [Cursor button (Up/Down)].

Function setting			Mo 10:00
R.C. address	Function No.	Setting No.	
00	00	00	
Cancel: [X] OK: [Y]			
Version			Error history

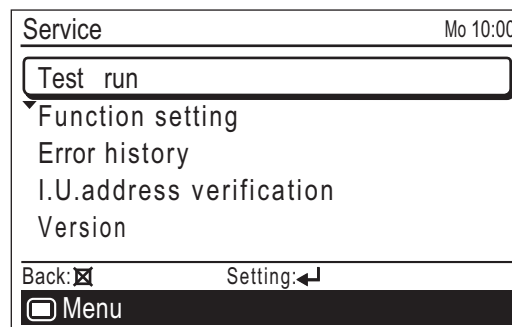
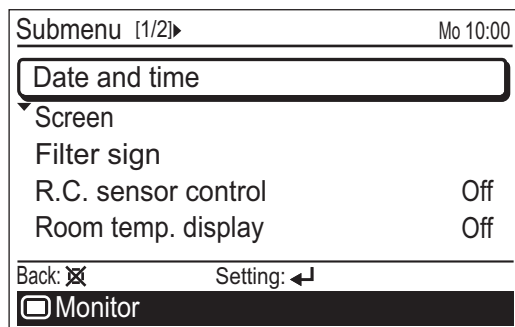
7. Select the [Setting No.] with pressing the [Cursor button (Left/Right)], and select the Setting No. to be set with pressing the [Cursor button (Up/Down)], and press the [Enter button].

Function setting			Mo 10:00
R.C. address	Function No.	Setting No.	
00	00	00	
Cancel: [X] OK: [Y]			
Version			Error history

## ■ Function settings of remote controller

Perform the following operations within 3 minutes after turning on the power.

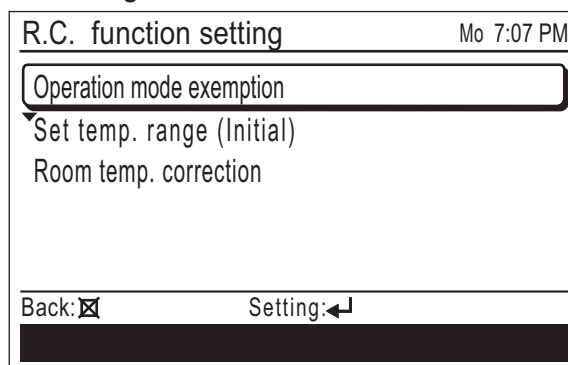
1. Enter the "Service" screen.



2. Press the [Screen switch button (left)], [Enter button], and [Cursor button (downward)] simultaneously for 5 seconds.

**NOTE: It may not function if the buttons are pressed too hard.**

3. Switch to the "R.C. function setting" screen.

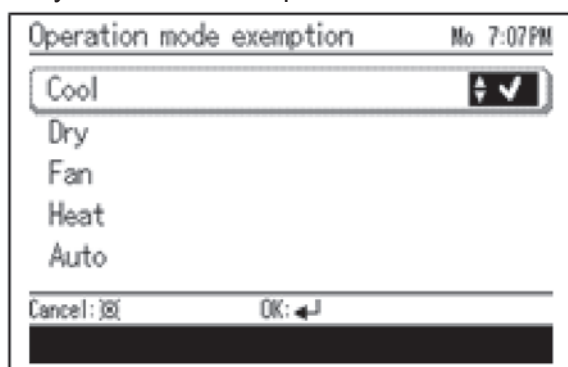


## ● Operation mode exemption

The specified operation mode can be removed from the operation mode menu of the wired remote controller.

This does not mean that the operation mode is exempted from the indoor unit.

Check the operation modes you want to exempt.



### NOTES:

- In the case of dual remote control operation, make the primary unit and the secondary unit setting same. Even if only the primary unit is set, it will not be reflected at secondary unit.
- After setting, always perform operation (Operation in other than the exempted modes). Since the indoor unit memorizes the last operation, overwriting the memory operation mode is unnecessary.

## ● Set temp. range (Initial)

The set temperature range of the wired remote controller can be restricted from the beginning.

Set the set temperature range of each operation mode.

Set temp. range (Initial)		Mo 10:00 AM
Enable/Disable setting		Enable
Temp. setting	Lower	Upper
Cool/Dry	18℃	30℃
Heat	16℃	30℃
Auto	18℃	30℃
Back: [X]		Setting: [Y]

### NOTES:

- In the case of dual remote control operation, make the primary unit and the secondary unit setting same. Even if only the primary unit is set, it will not be reflected at secondary unit.
- After setting, always perform operation. Since the indoor unit memorizes the last operation, overwriting the memory operation mode is unnecessary.

## ● Room temp. correction

The value sensed by the temperature sensor listed in the wired remote controller can be corrected.

Set the correction value.

Room temp. correction		Mo 7:07 PM
Correct value		
+2℃		
Cancel: [X]	OK: [Y]	

## ■ Function settings of zone control interface

### ● Number of outlets

Auto fan speed is controlled by setting the number of outlets.

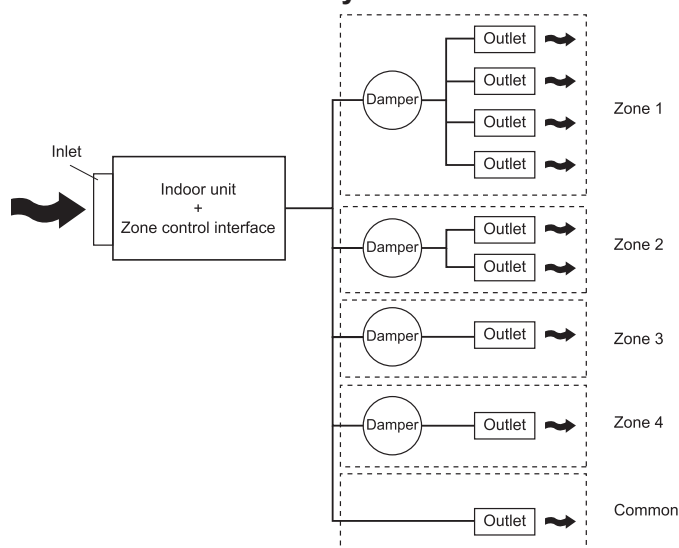
Set the number of outlet.

Number of outlets

Zone 1	Zone 2	Zone 3	Zone 4	
4	2	1	1	
Zone 5	Zone 6	Zone 7	Zone 8	Common
0	0	0	0	1

Cancel: [X] OK: [Enter]

**NOTE:** Install the outlets so that air velocity of each outlet is same value.



### ● Damper type setting

When spring return damper is used, indoor unit starts operating 1 minute after the damper opens.

Set when you use spring return damper.

Damper type setting Mo 7:07PM

Spring return damper

In use

Cancel: [X] OK: [Enter]

Number of ou... Connection s...

**NOTE:** Do not start the operation by external input of indoor unit.

## ● Connection state of op. sensor

Set when you use optional sensor.

Connection state of op. sensor Mo 7:07PM

Optional sensor 1	Optional sensor 2
▲ Not in use ▼	Not in use

Cancel: [X] OK: [↵]

[←] Damper type ... Temperature ... [→]

## ● Temperature sensor setting

Set whether to use temperature sensor of the remote controller.

Temperature sensor setting Mo 7:07PM

Primary controller sensor	Secondary controller sensor
▲ Disable ▼	Disable

Cancel: [X] OK: [↵]

[←] Connection s... Zone functio... [→]

## ● Zone function setting

Adjust temperature of optional sensor.

Zone function setting Mo 7:07PM

Zone function No.	Zone setting No.
01	◀ 00 ▶










Cancel: [X] OK: [↵]

[←] Temperature ... Number of ou... [→]






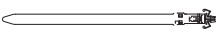


## 8. Accessories

### 8-1. Wired remote controller


Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Installation manual		1	Cable tie (large)		1
Operation manual		1	Cable tie (small)		1
Connecting cable		1	Tube		1
Tapping screw, M4 × 16 mm		2	Cable clasper		1
Tapping screw, M4 × 14 mm		1			

### 8-2. Zone control interface

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Installation manual		1	Tapping screw, M4 × 12 mm		3
Connecting cable		1	Cable tie (small)		9
One-touch bush		3	Cable tie (large)		1

## 9. Optional parts

### 9-1. Zone control interface

Exterior	Part name	Model name	Summary
	Remote sensor unit	UTY-XSZX	New amenity space can be offered by installing Remote sensor unit in the remote controller.

# **Part 2. ZONE CONTROL SYSTEM with WLAN ADAPTER**

---

**MODEL NAME:**

**WIRELESS LAN ADAPTER  
UTY-TFNXZ3**

**MOBILE APPLICATION  
FGLair**

**ZONE CONTROL INTERFACE  
UTY-CDPXZC  
UTY-CDPXZD**




## ZONE CTRL SYSTEM with WLAN ADAPTER

## ZONE CTRL SYSTEM with WLAN ADAPTER

19 Jan 2016  
CFOFS\_1601E

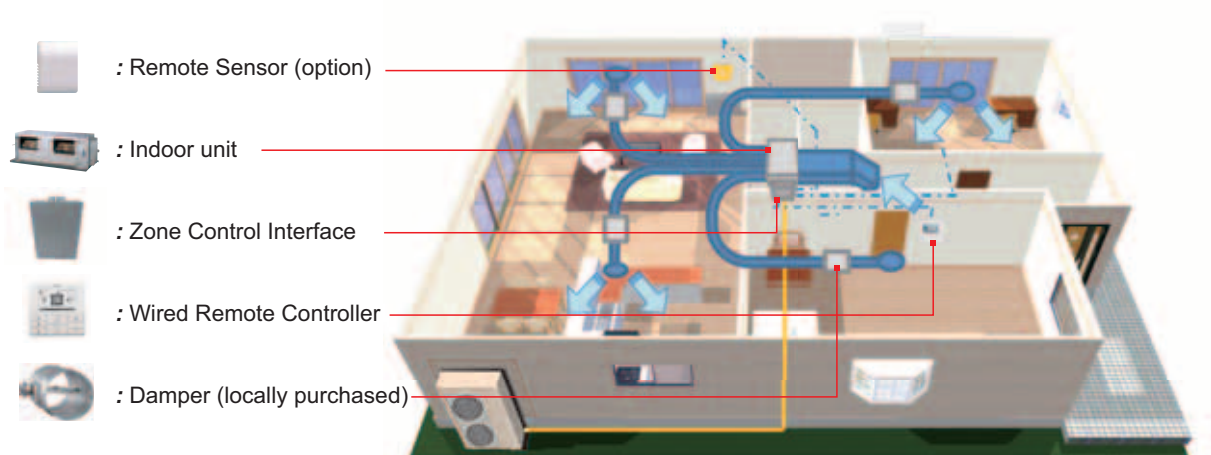
19 Jan 2016  
CFOFS\_1601E

## 2. Model lineup

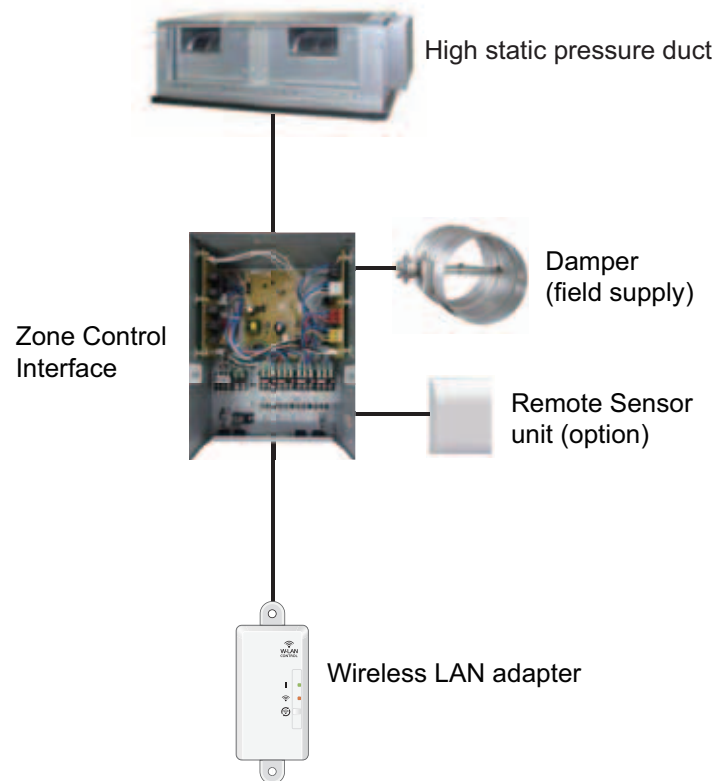
Wireless LAN adapter	Mobile application	Zone control interface
		
UTY-TFNXZ3	FGLair™	UTY-CDPXZC UTY-CDPXZD

### 3. Overview

Zone control system controls the air conditioning of each room (zone) by the air conditioning system with forced draft air duct to reach the pleasant room temperature.



This system controls the individual air flow to each zone by opening and closing the damper installed at the blowing side of high static pressure duct.



## 3-1. Wireless LAN control

By installing FGLair on a smart device, several functions can be controlled from outside the house.

### CAUTION

To prevent personal injury, property damage, or product malfunction, read the setting manual attached with the product carefully, and be sure to comply with the safety and usage precautions.

## ■ System requirement

Before using this product, prepare the following items:

- **Wireless router:**

This product uses a wireless router that supports IEEE802.11b/g/n wireless LAN standard. Set the connection to the wireless router with WPS to perform communications by wireless LAN.

Refer to the operation manual of the wireless router you wish to use, if it supports IEEE802.11b/g/n or WPS.

- **Smartphone or Tablet PC:**

App-compliant operating system	iOS®	8.0 or later
	Android™	4.1 or later

- **FGLair (mobile application):**

FGLair is available on Google Play™ store or on App Store®.

After installation of FGLair, user registration is required. For user registration and setup information, refer to the setting manual attached with the product.

For information on Wireless LAN control, refer to the following web site:

<http://www.fujitsu-general.com/global/support/>

## ■ Wireless LAN function list

**NOTE:** To use Wireless LAN control, user registration in advance and access to the wireless home network are required.

Item			UTY-TFNXZ3 + FGLair
Air conditioning control function	Operation on/off		○
	Operation mode setting		○
	Set temperature setting		○
	Fan speed setting		○
	Airflow direction setting	Louver position adjustment (vertical/horizontal)	○*1
		Swing (vertical/horizontal)	○*1
	Timer setting	Off timer	—
		On timer	—
		Sleep timer	—
		On/off program timer	—
Additional function	ECONOMY operation setting		○
App function	Air conditioner error e-mail notification		○
Zone setting	Zone setting (on/off)		○
	Room temperature sensor setting*2		○
	Weekly timer with zone		○
	Name setting (zone/sensor)		○

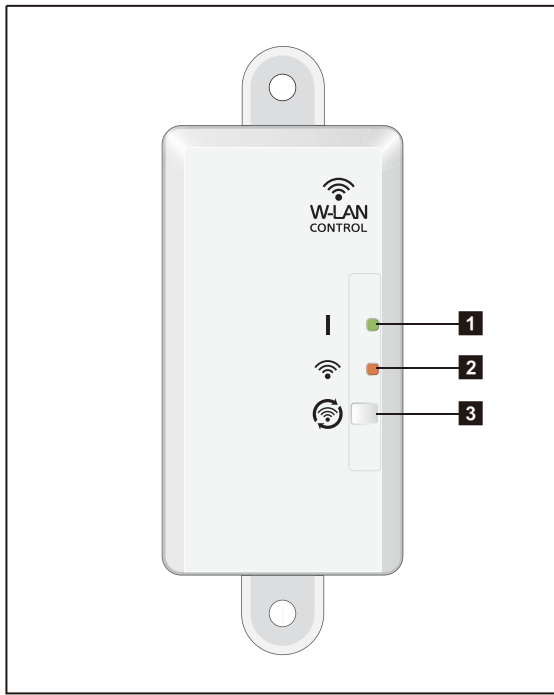
○: Available, —: Not available

\*1: Different by the indoor unit function.

\*2: UTY-XSZX is necessary.

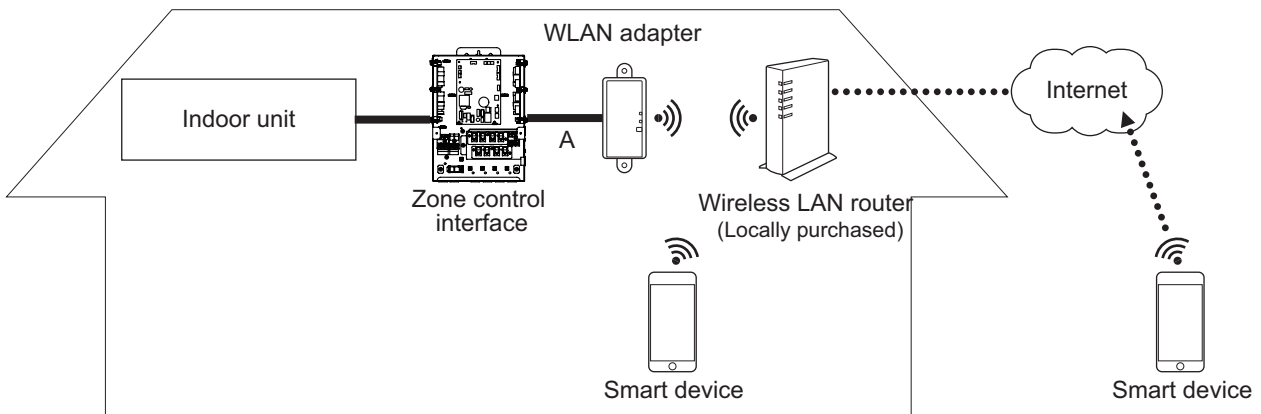


## 3-2. Wireless LAN adapter



- 1 LED 1 (green)**  
Operation status indicator.
- 2 LED 2 (orange)**  
Wireless LAN status indicator.
- 3 Setting button**  
Used for connecting to wireless router.

### ■ Schematic diagram

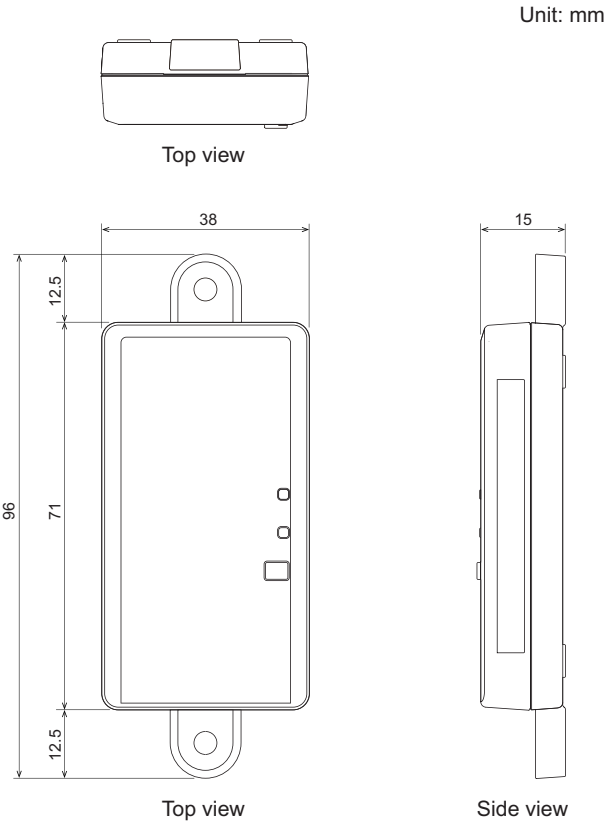


A: Attached cable with this product.

## 4. Specifications

### 4-1. Wireless LAN adapter

ZONE CTRL SYSTEM  
with WLAN ADAPTER



Model name			UTY-TFNXZ3
Dimensions (H × W × D)	Net	mm	96 × 38 × 15
	Gross	mm	207 × 138.5 × 50
Weight	Net	g	35
	Gross		380
Operating temperature range		°C	0 to 46

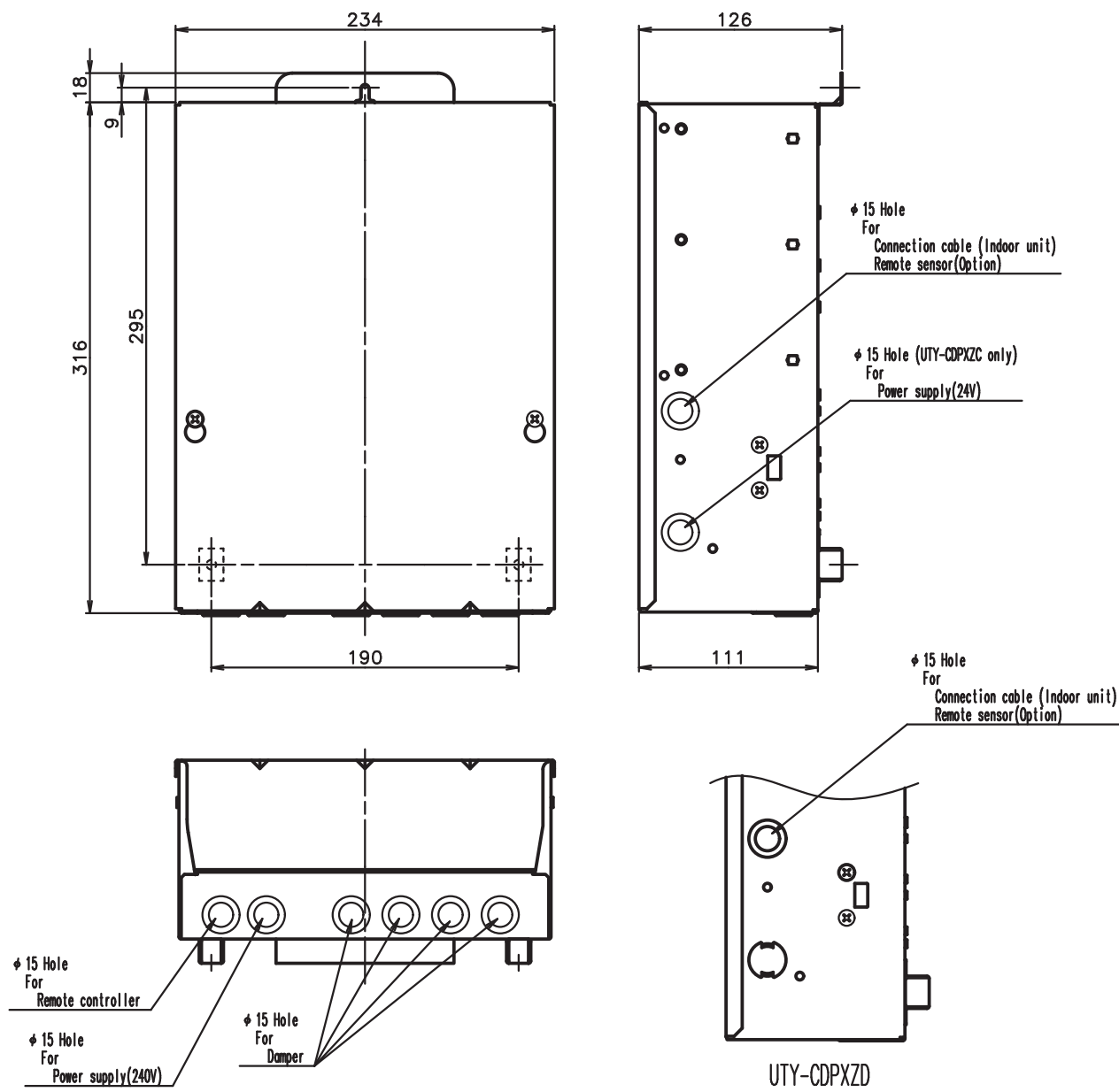
### ■ Wireless specifications

Communication method between indoor unit and WLAN adapter is as follows:

Wireless LAN standard	IEEE802.11b/g/n
Frequency bands	2.4 GHz (1ch—13ch)
Maximum radio-frequency power	32 mW

## 4-2. Zone Control Interface

Unit: mm



Model name			UTY-CDPXZC	UTY-CDPXZD
Power supply			240 V ~ 50 Hz	
	Damper		24 V ~ 50 Hz	240 V ~ 50 Hz
Zone			1 to 8	
Dimensions (H × W × D)	Net	mm	316 × 234 × 126	
	Gross	mm	410 × 285 × 205	
Weight	Net	kg	2.1	2.3
	Gross		3.0	

## ■ Others

### ● Damper motor and cable (locally purchased)

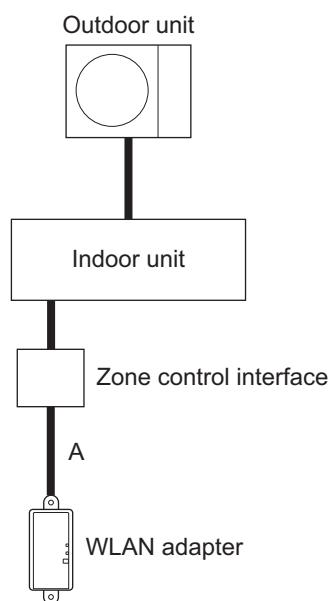
Model name			UTY-CDPXZC	UTY-CDPXZD
Damper motor	Voltage		AC24 V	AC240 V
	Frequency	Hz	50	
	Maximum operating current(per a damper)	mA	360 or less	70 or less
	Maximum electric power (per a damper)	VA	7 or less	12 or less
Damper motor cable	Wire diameter	mm <sup>2</sup>	0.48 or more	0.75
	Type		RJ12 6-polar, 6-core	Type 60227 IEC52 or 53

### ● Transformer (locally purchased)

Transformer	Specification
UTY-CDPXZC (24 V)	Select an appropriate transformer for the damper specification.

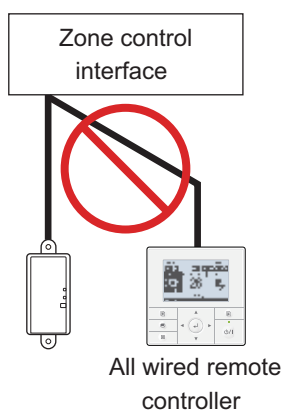
## 5. Wiring design

### 5-1. System diagram

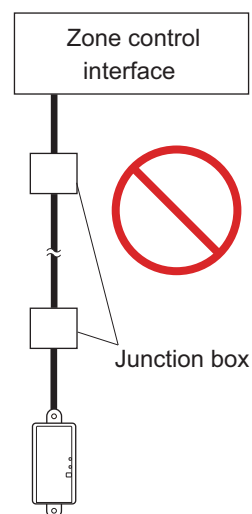


#### Prohibited uses:

(1) Combined use with wired remote controller



(2) Extended wiring  
Extending the cable is prohibited.



## 6. Installation

### **⚠ CAUTION**

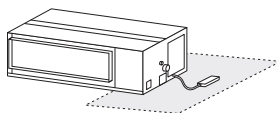
To prevent personal injury, property damage, or product malfunction, read the setting manual attached with the product carefully, and be sure to comply with the safety precautions.

### 6-1. Wireless LAN adapter

#### ■ Precautions

### **⚠ CAUTION**

- Do not bundle the WLAN adapter wiring with the connection cable running between the indoor and outdoor units, or the power supply cable.
- Install the WLAN adapter near the wireless router. (The connection will become unstable if it is placed further away, which will make using the system more difficult.)
- Install the WLAN adapter between the indoor unit and wireless router.
- Certain types of wall materials may shut out wireless communications.
- Do not touch the indoor unit heat exchanger.
- During installation or removal, do not to have the wire caught by any parts nor pull it hard. It may result in malfunction of the air conditioner.
- Do not install this product in following places. Otherwise, radio communication may be interfered.
  - Places exposed to direct sunlight
  - Places subject to extremely high and low temperatures, such as near the outlet port of the air conditioner main body
  - Near the air conditioner air inlet or outlet
  - Places with high humidity
  - Places near moving parts of the air conditioner main body
  - Places near bottom of the air conditioner main body
  - Inside or on the side of the air conditioner main body
  - Near microwave ovens
  - Within 1 m (40 in) of a TV or radio
  - Places in the reach of children
  - Near automatic control devices such as automatic door sensors or fire detectors
  - Places with oil, vapor or flammable gases
  - Near medical equipment, pacemakers, defibrillators or other devices
  - Places where the WLAN adapter could get wet, such as in the bathroom
  - Places where the WLAN adapter is difficult to access for maintenance
- Install this product in a place where the switches and buttons can be operated and where the LED display can be confirmed. (In the areas as shown below.)



## ■ Installation procedure

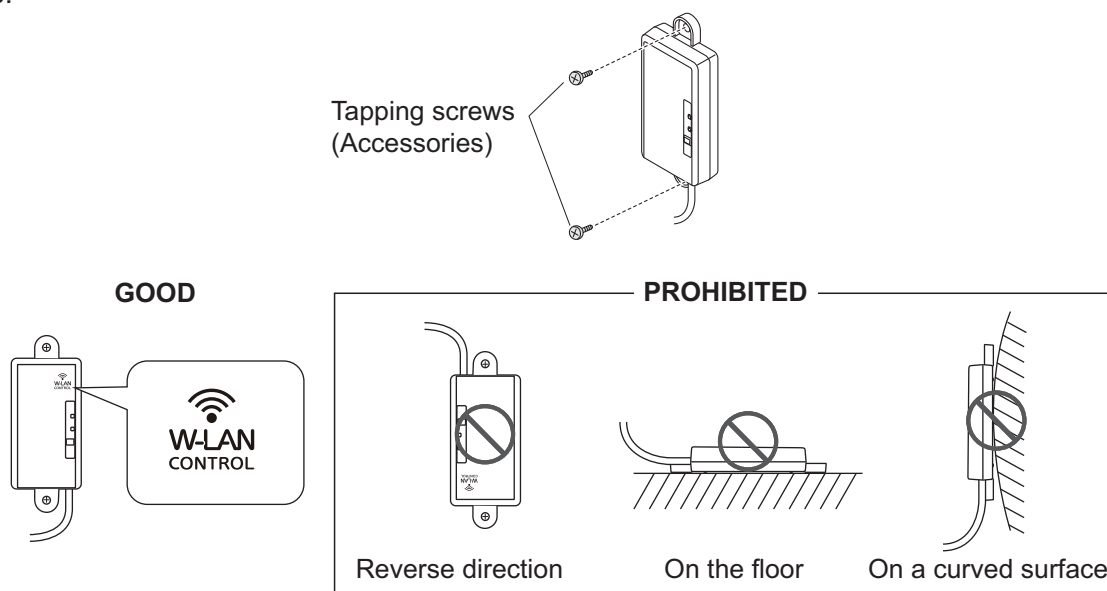
### ⚠ WARNING

- Disconnect the power supply or turn off the breaker before starting work. Failure to disconnect the power supply may lead to electric shock or fire.
- Do not turn on the power until all installation work is complete.
- Use the accessories or specified connection cables:
  - Do not modify connection cables other than those specified.
  - Do not use extension cords.
  - Do not use independent branch wiring. The allowable current will be exceeded and cause electric shock or fire.
- When installing this product, make sure that there are no children nearby. Otherwise, injury or electric shock could result.

### ⚠ CAUTION

- Discharge static electricity on your body before starting work. If static electricity is not discharged, there is a risk that the circuit board components may be damaged.
- When performing wiring work, be careful not to damage the cable or injure yourself. Also, connect the connectors securely. Loose connectors will cause trouble, heating, fire, or electric shock.
- Perform wiring so that water does not enter this unit along the external wiring. Always install a trap to the wiring or take other countermeasures. Otherwise, it will cause trouble or electric shock or fire.
- Do not touch the circuit board and circuit board parts directly with your hands. Otherwise, injury or electric shock could result.

1. With referring the setting manual, perform wire connection.
2. Install the WLAN adapter in the direction as shown in this figure. If the WLAN adapter is installed in the wrong direction, water may get into the adapter through the wire, causing failure.



After WLAN adapter installation is completed, perform appropriate function setting according to the installation environment with referring the setting manual of this product and the installation manual of the indoor unit.

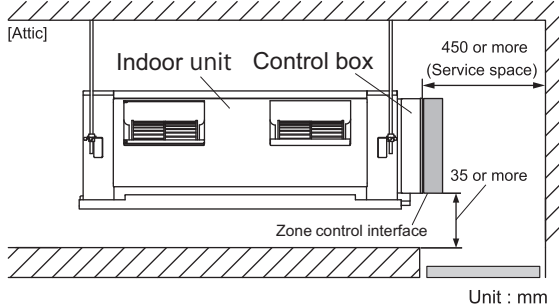
## 6-2. Zone control interface

### ■ Installation space

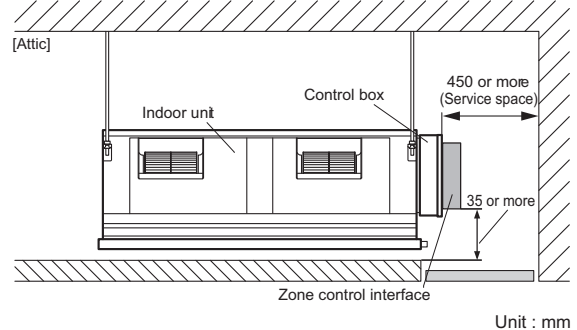
Leave space at the bottom of zone control interface so that the cables can be routed from the underside of the unit.

For service space, refer to the installation manual of each indoor unit.

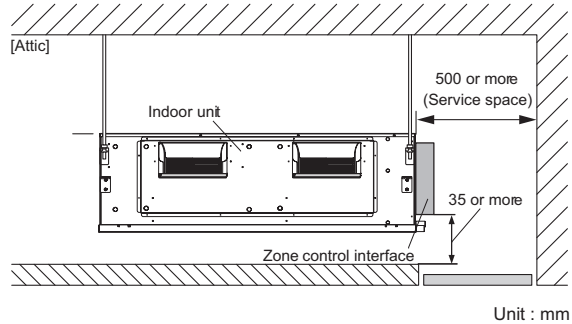
• ART 30/36



• ART 72/90



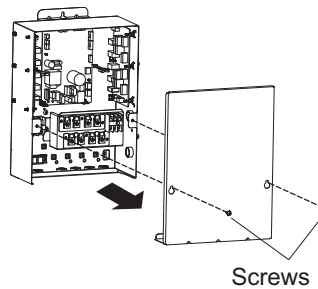
• ART 45/54/60



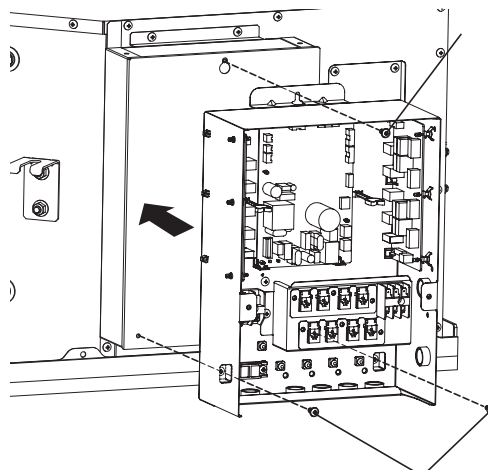
### ■ Installation procedure

#### ● Installation to indoor unit

1. Remove the cover of zone control interface.



2. Attach the zone control interface to the indoor unit.



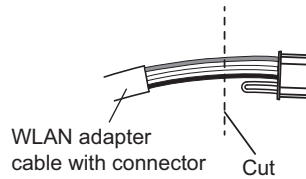


## ● Wiring of zone control interface

### 1) Preparation

Modification of the WLAN cable is required.

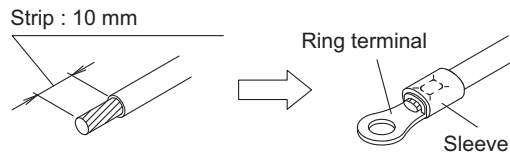
When connecting to the terminal block, cut off the connector with a nipper.



#### ⚠ CAUTION

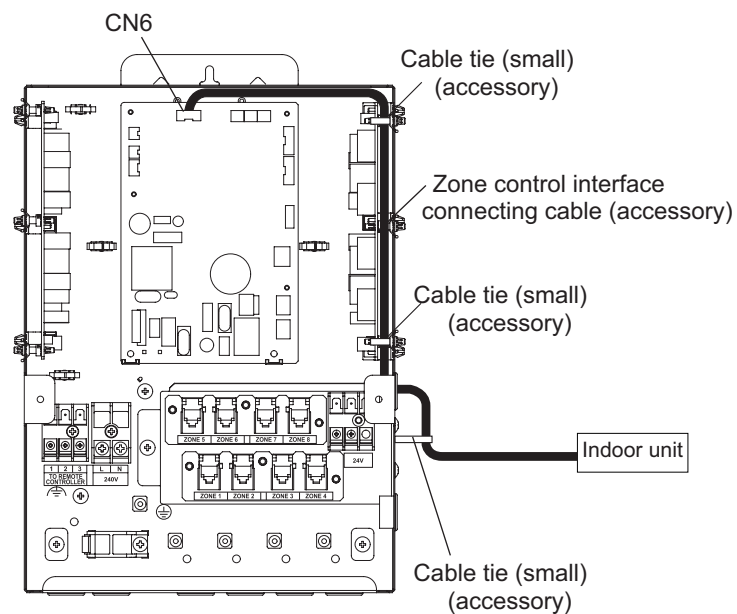
- To strip off the insulation of a lead wire, always use a special tool such as a wire stripper.
- If there is no special tool, carefully strip off the insulation by using a knife or other utensil.

1. Use ring terminals with insulating sleeves as shown in the figure to connect to the terminal block.
2. Securely clamp the ring terminals to the wires by using an appropriate tool so that the wires do not come loose.

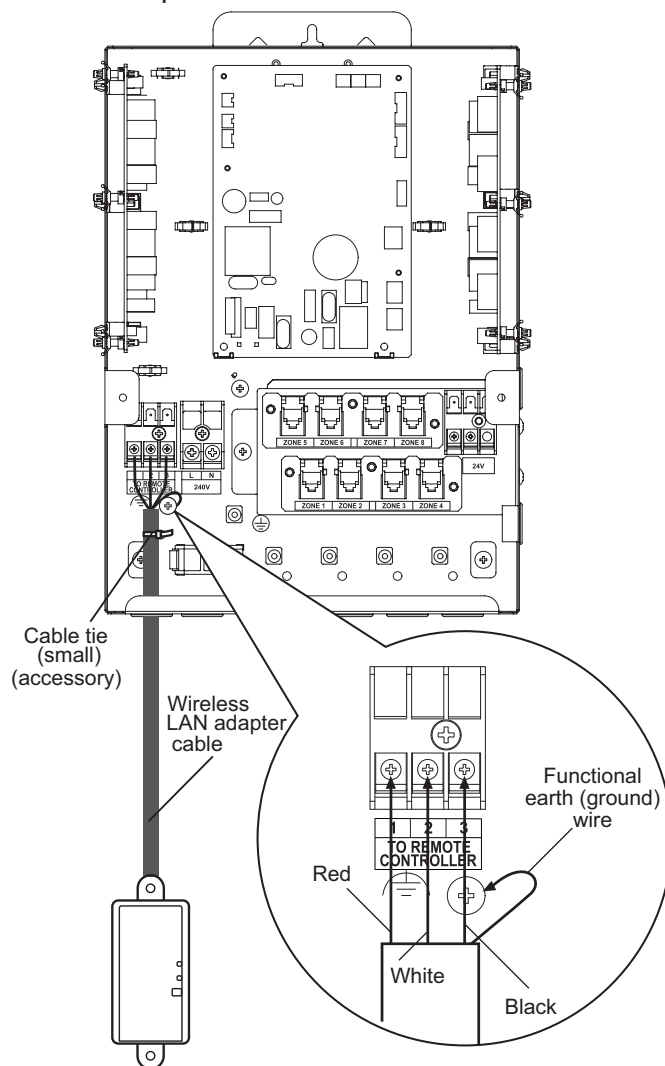


## 2) UTY-CDPXZC

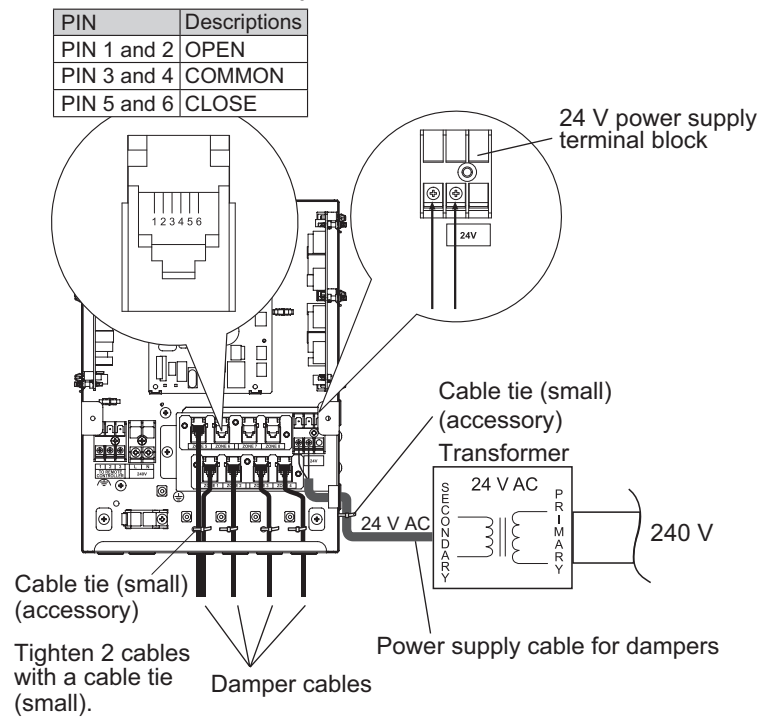
### 1. Connecting with indoor unit



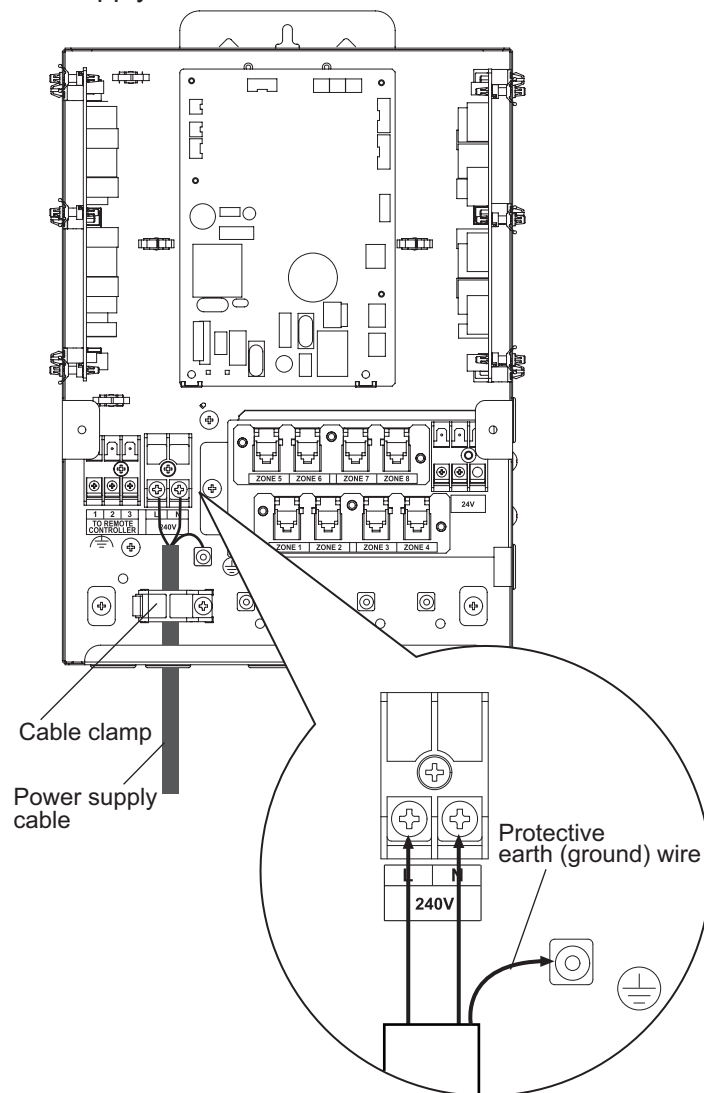
### 2. Connecting with wireless LAN adapter



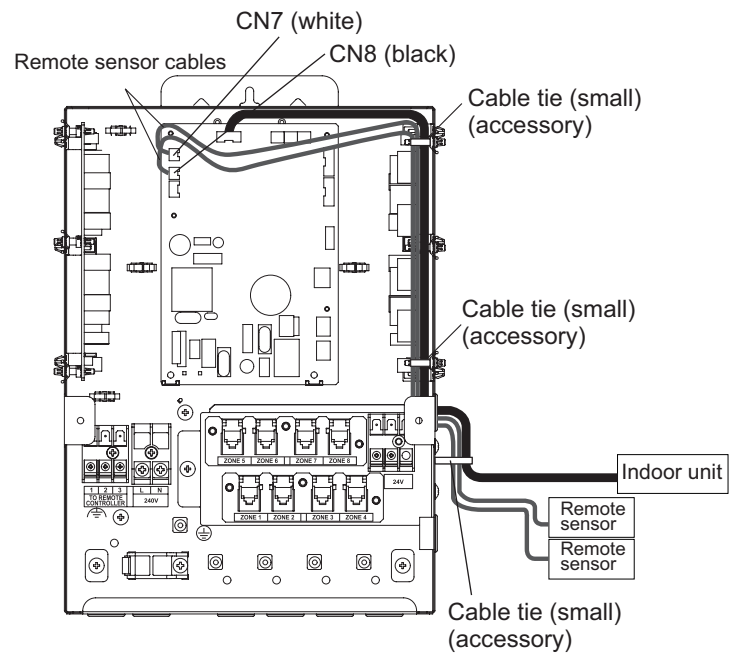
### 3. Connecting with damper, power supply for dampers



#### 4. Connecting with power supply

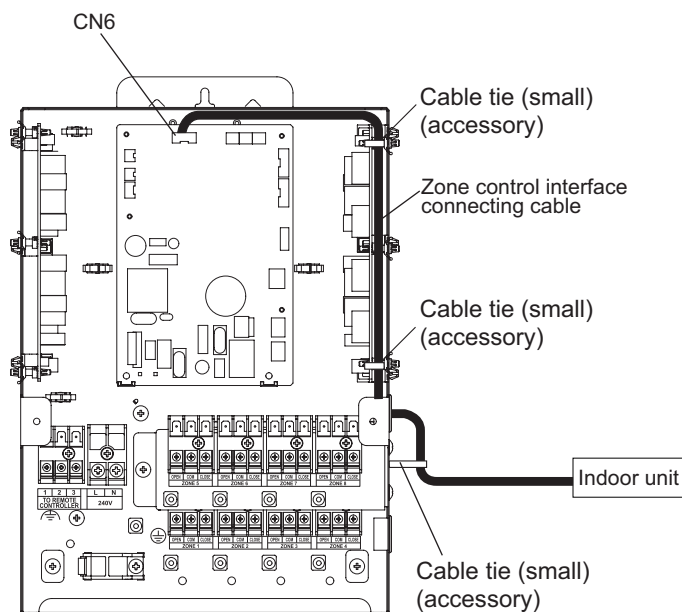


## 5. Connecting with optional remote sensor

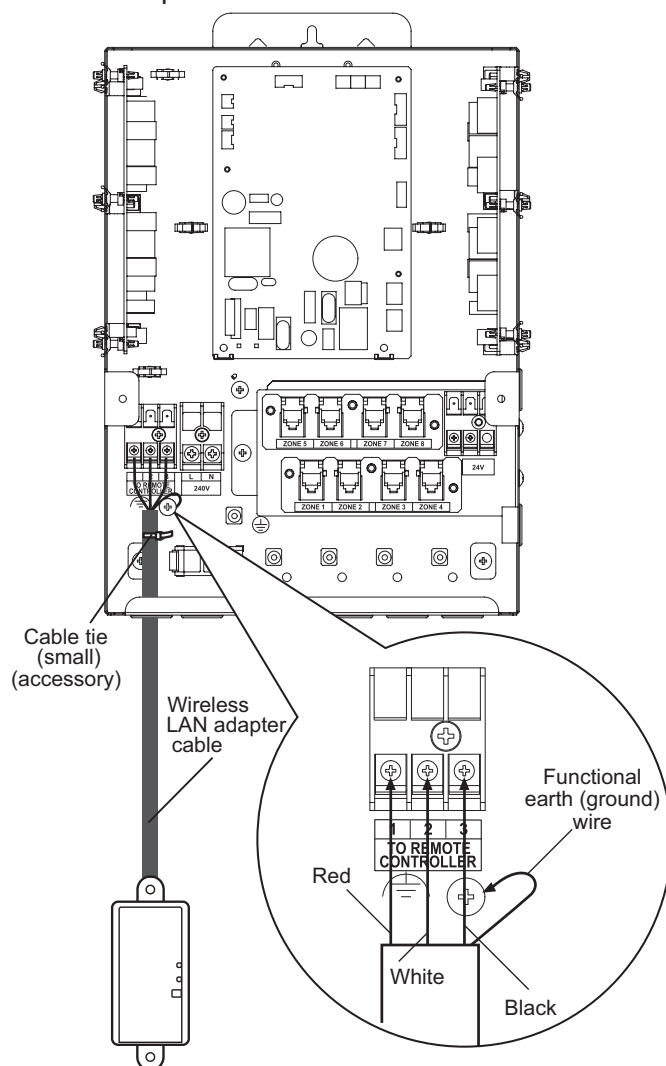


### 3) UTY-CDPXZD

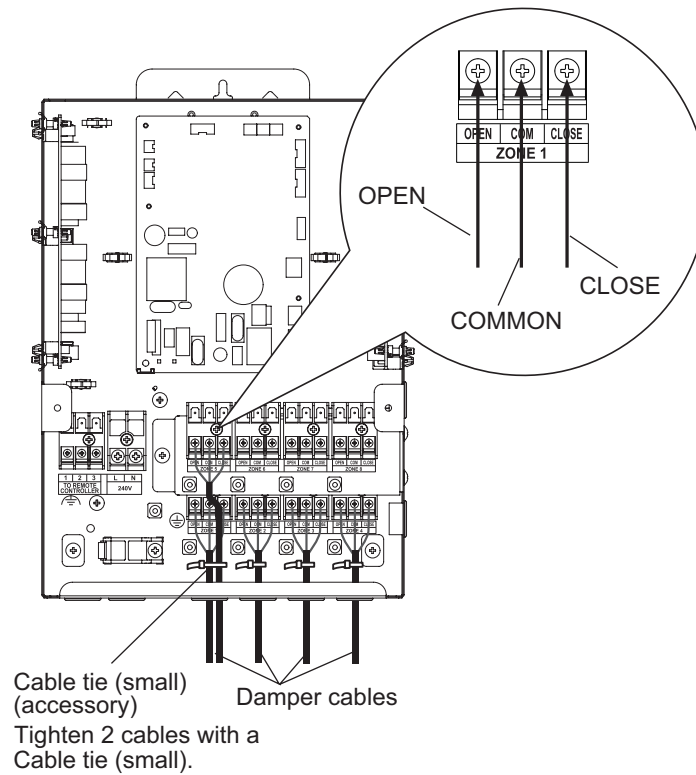
#### 1. Connecting with indoor unit



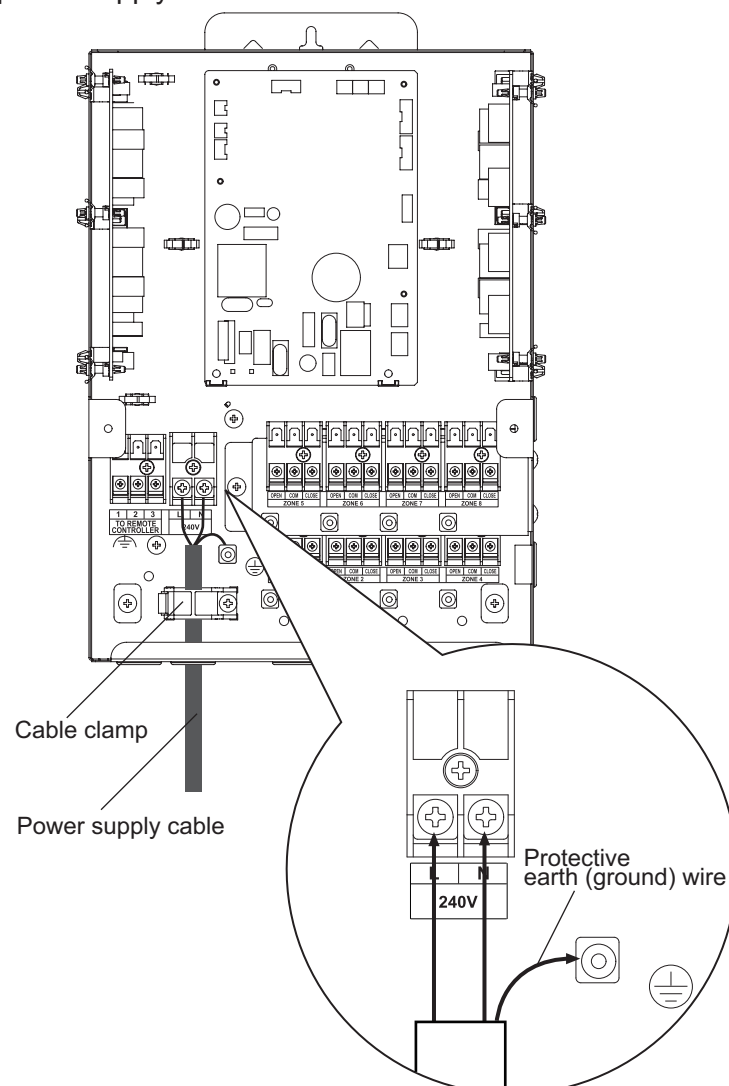
#### 2. Connecting with wireless LAN adapter



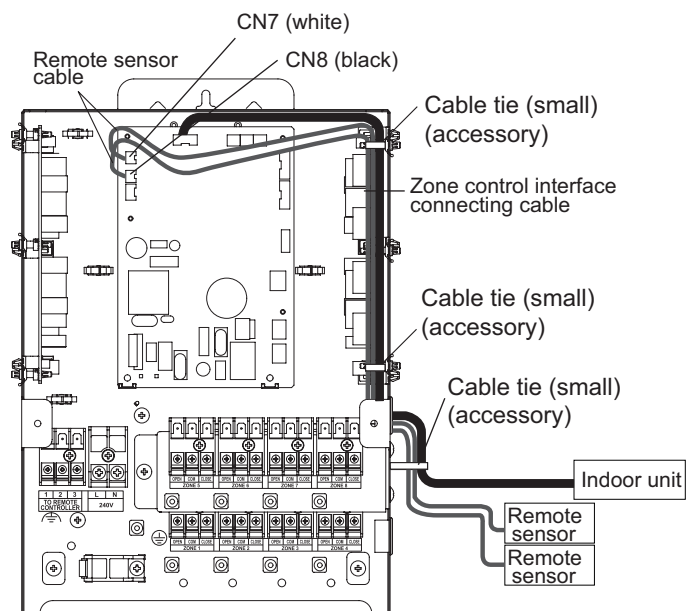
### 3. Connecting with damper, power supply for dampers



### 4. Connecting with power supply



## 5. Connecting with optional remote sensor



## 7. Initial setup

By using FGLair, perform initial setup for WLAN control.

**NOTE:** Make sure that the smart device is connected to the same wireless router that the WLAN adapter is connected.

### 7-1. Mobile app installation and user registration

1. Visit Google Play store or App Store according to the type of connecting smart device.
2. Search for FGLair in the store.
3. Install the app by following the on-screen instructions.
4. After completing FGLair installation on your smart device, open the app and perform user registration by following the instructions.

### 7-2. Air conditioner registration

**Prerequisite:**

Make sure that the smart device is connected to the same wireless router that the WLAN adapter is connected.

1. Launch FGLair on your smart device.
2. Follow the instructions written in the setting manual attached with this product.

### 7-3. Zone control

**Prerequisites:**

- Make sure that the smart device is connected to the same wireless router that the WLAN adapter is connected.
- Before setting the zone control, make sure to complete the air conditioner registration.

When “Zones” screen is displayed on FGLair, perform the initial settings with referring the setting manual of this product.



1. Set the number of outlets.
2. Set the damper type.
3. Perform Optional sensor setting and the room temperature correction for the optional sensor if necessary.

**NOTE:** After completing each settings, make sure to disconnect the power supply and then re-connect it.









## 8. Accessories

### 8-1. Wireless LAN adapter


Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Setting manual (for Wireless LAN control)		1	Wireless LAN label (Attached to the indoor unit beside the wireless LAN indicator)		1
Tapping screw (large), M4 × 25 mm		2			

### 8-2. Zone control interface

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Installation manual		1	Tapping screw, M4 × 12 mm		3
Connecting cable		1	Cable tie (small)		9
One-touch bush		3	Cable tie (large)		1

## 9. Optional parts

### 9-1. Zone control interface

Exterior	Part name	Model name	Summary
	Remote sensor unit	UTY-XSZX	New amenity space can be offered by installing Remote sensor unit in the remote controller.