

# Remote Controller (Wired Type) INSTALLATION INSTRUCTION SHEET

(PART NO. 9373328032-01)

For authorized service personnel only.

## ⚠ WARNING!

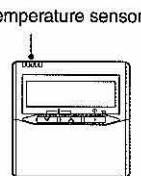
This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.

- For the air conditioner to operate satisfactorily, install it as outlined in this installation instruction sheet.
- Installation work must be performed in accordance with national wiring standards by authorized personnel only.
- Do not turn on the power until all installation work is complete.
- Let the customer keep this installation instruction sheet because it is needed when the air conditioner or remote controller is serviced or moved.

## ⚠ CAUTION!

This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user, or damage to property.

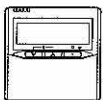
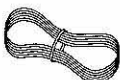
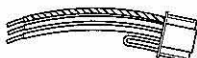
- In order to detect the room temperature correctly when using the temperature sensor of the remote controller, do not install the remote controller in a place where it will be exposed to direct sunlight or directly below the air outlet of the indoor unit.
- Do not touch the remote controller PC board and PC board parts directly with your hands.
- Do not wire the remote controller cord and the bus wire together with or parallel to the connection cables, transmission cords, and power supply cords of the indoor and outdoor units. It may cause erroneous operation.
- When installing the bus wire near a source of electromagnetic waves, use shielded wire.
- Do not set the DIP switches, either on the air conditioner or the remote controller, in any way other than indicated in this sheet or the manual that is supplied with the air conditioner. Doing so may result in an accident.







## 1

## STANDARD PARTS

The following installation parts are supplied. Use them as required.

Name and Shape	Q'ty	Application
Remote controller 	1	For air conditioner operation
Remote controller cord 	1	For connecting the remote controller
Connecting cord (*1) 	1	For connecting the remote controller cord to the indoor unit

Name and Shape	Q'ty	Application
Tapping screw (ø4 × 16) 	2	For installing the remote controller
Binder 	1	For remote controller and remote controller cord binding
Tapping screw (ø4 × 14) (*1) 	1	For installing the remote controller cord to the indoor unit
Cord clamber (*1) 	1	For installing the remote controller cord to the indoor unit

(\*1) Use only if the remote controller cord must be modified for the indoor unit model.

## 2

## REMOTE CONTROLLER SETTING

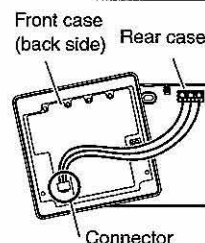
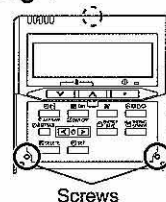
### 1. INSTALLING THE REMOTE CONTROLLER

Open the operation panel on the front of the remote controller, remove the two screws indicated in the following figure, and then remove the front case of the remote controller.

When installing the remote controller, remove the connector from the front case. The wires may break if the connector is not removed and the front case hangs down.

When installing the front case, connect the connector to the front case.

Fig. 1

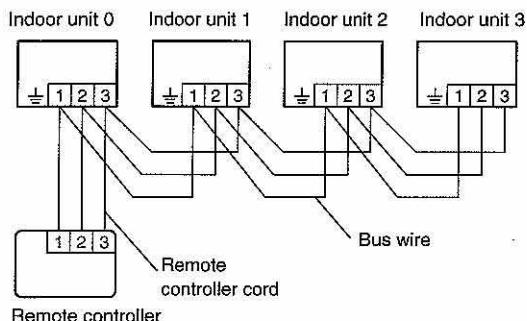


For J-series air conditioners (the model name of the indoor unit ends in "R"), the following functions cannot be used.

### 1. GROUP CONTROL

- A number of indoor units can be operated at the same time using a single remote controller.
- S-series air conditioners cannot be connected with V-series air conditioners.
- S-series air conditioners with model change code A or B cannot be connected with S-series air conditioners with model change code C.

#### (1) Wiring method (indoor unit to remote controller)



#### (2) Remote controller address setting

Set each remote controller address using the switch of each indoor unit in order from 0.  
(Refer to the installation instruction sheet for the indoor unit.)

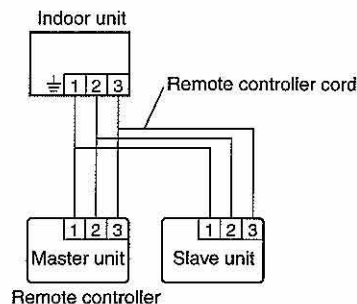
#### (3) Remote controller DIP switch setting

Set DIP switch No. 3 to ON.

### 2. DUAL REMOTE CONTROLLERS

- Two separate remote controllers can be used to operate the indoor units.
- The timer and self-diagnosis functions cannot be used on the slave unit.

#### (1) Wiring method (indoor unit to remote controller)

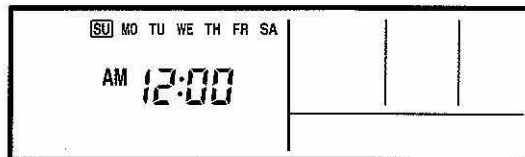


#### (2) Remote controller DIP switch setting

Set the remote controller DIP switch 1 Nos. 1 and 2 according to the following table.

Number of remote controllers	Master unit		Slave unit	
	DIP-SW1 No. 1	DIP-SW1 No. 2	DIP-SW1 No. 1	DIP-SW1 No. 2
1 (Normal)	ON	OFF	—	—
2 (Dual)	OFF	OFF	ON	ON

1. Check the remote controller wiring and DIP switch settings.
2. Install the front case.
- \* When installing the front case, connect the connector to the front case (Fig. 1 in 2 REMOTE CONTROLLER SETTING).
3. Check the indoor and outdoor unit wiring and circuit board switch settings, and then turn on the indoor and outdoor units. The clock display will appear in the center of the remote controller display.

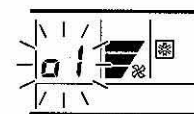
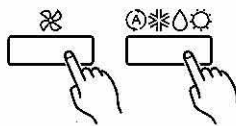


1. If the operation lamp is on, press the Start/Stop button to turn it off.
2. Press the Master Control and Fan Control buttons at the same time for more than two seconds to start the test operation.  
The operation lamp will light up and "01" will be displayed on the set temperature display.
- \* Perform the test operation for 60 minutes.
- \* Pressing the Start/Stop button will stop the test operation.

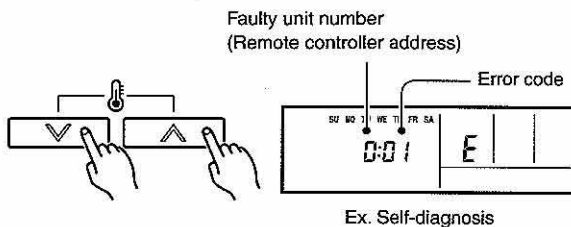
Run [Self-Diagnosis] if [E:EE] flashes on the clock display of the remote controller.

### SELF-DIAGNOSIS

- (1) Stop the air conditioner operation.
- (2) Press the Set Temperature buttons  $\Delta$  and  $\nabla$  at the same time for more than 5 seconds to start the self-diagnosis.  
\* For information on the error codes, refer to the installation instruction sheet for the indoor unit.
- (3) Press the Set Temperature buttons  $\Delta$  and  $\nabla$  at the same time for more than 5 seconds to stop the self-diagnosis.



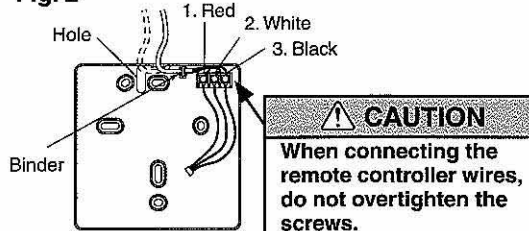
Test operation display



(1) When remote controller cord is exposed

- 1) Use a tool to cut away the thin area on the upper center of the front case (indicated by ○ in Fig. 1).
- 2) Connect the remote controller cord to the remote controller terminal board specified in Fig. 2.
- 3) Clamp the remote controller cord sheath with the binder as shown in Fig. 2.
- 4) Cut off the excess binder.
- 5) Install the rear case to the wall, etc., with two screws. (Fig. 3)

Fig. 2

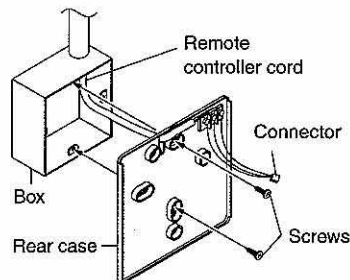


(2) When remote controller cord is embedded

- 1) Embed the remote controller cord and box.
- 2) Pass the remote controller cord through the hole in the rear case and connect the remote controller cord to the remote controller terminal board specified in Fig. 2.
- 3) Clamp the remote controller cord sheath with the binder as shown in Fig. 2.
- 4) Cut off the excess binder.
- 5) Install the rear case to the wall, box, etc., with two screws. (Fig. 3)

Fig. 3

[Example]



**CAUTION**

Do not touch the remote controller PC board and PC board parts directly with your hands.

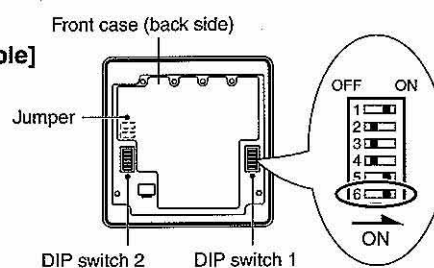
## 2. SETTING THE DIP SWITCHES

Set the remote controller DIP switches. (Fig. 4)

- \* Some functions are not available depending on the indoor unit model.  
When setting the DIP switches, refer to page 2 in the operating manual.

Fig. 4

[Example]



	No.	SW state		Detail
		OFF	ON	
DIP-switch 1	1		★	Dual remote controller setting * Refer to 2. DUAL REMOTE CONTROLLERS in 3 SPECIAL INSTALLATION METHODS.
	2	★		
	3	★ One unit	Multiple units	Group control setting
	4	★ Heat Pump model or Heat Recovery model	Cooling only model	Model setting
	5	Invalidity	★ Validity	AUTO OPERATION and FAN MODE OPERATION setting * Set to OFF for AIRSTAGE™ (VRF system) Heat Pump models.
	6	★ Invalidity	Validity	Memory Backup setting * Set to ON to use batteries for the memory backup. If batteries are not used, all of the settings stored in memory will be deleted if there is a power failure.
DIP-switch 2	1	★ Validity	Invalidity	THERMO SENSOR button setting
	2	★ Validity	Invalidity	ENERGY SAVE button setting
	3	★ Validity	Invalidity	Horizontal airflow direction and swing button setting
	4	★ Validity	Invalidity	Vertical airflow direction and swing button setting
	5	★ Fixed at OFF		Cannot be used.
	6	★ Fixed at OFF		Cannot be used.

(★: Factory setting)

	No.	Jumper state		Detail
		Disconnected	Connected	
Jumper	3	48°F – 88°F	★ 60°F – 88°F	Temperature setting range during heating operation
	5	Fan speed is fixed and dry operation is invalid	★ Fan speed is variable (3 levels) and dry operation is valid	Fan speed and dry operation settings

(★: Factory setting)

## SETTING THE ROOM TEMPERATURE DETECTION LOCATION

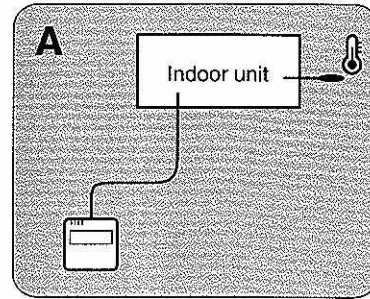
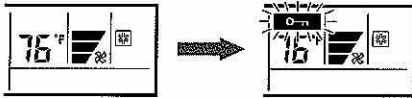
The detection location of the room temperature can be selected from the following three examples. Choose the detection location that is best for the installation location.

For S-series air conditioners and Network converter (UTR-YSS\*), the following functions cannot be used.

### A. Indoor unit setting (factory setting)

The room temperature is detected by the indoor unit temperature sensor.

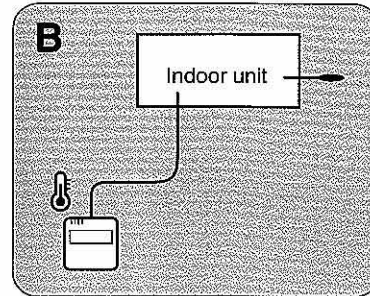
- (1) When the THERMO SENSOR button is pressed, the lock display flashes because the function is locked at the factory.



### B. Remote controller setting

The room temperature is detected by the remote controller temperature sensor.

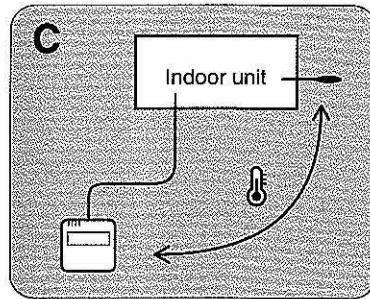
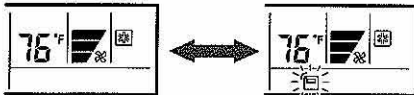
- (1) Press the THERMO SENSOR button for 5 seconds or more to unlock the function. The thermo sensor display flashes and then disappears when the function is unlocked.
- (2) Press the THERMO SENSOR button. The thermo sensor display appears.
- (3) Press the THERMO SENSOR button again for 5 seconds or more to lock the function. The thermo sensor display flashes and then remains on when the function is locked.
- (4) Make sure that the function is locked.




### C. Indoor unit/remote controller setting (room temperature sensor selection)

The temperature sensor of the indoor unit or the remote controller can be used to detect the room temperature.

- (1) Press the THERMO SENSOR button for 5 seconds or more to unlock the function. The thermo sensor display flashes and then disappears when the function is unlocked.
- (2) Press the THERMO SENSOR button to select the temperature sensor of the indoor unit or the remote controller.



### NOTES

If the function to change the temperature sensor is used as shown in examples A and B (other than example C), be sure to lock the detection location. If the function is locked, the lock display  will flash when the THERMO SENSOR button is pressed.

## REMOTE CONTROLLER CORD MODIFICATION

The remote controller cord must be modified when connecting it to some indoor unit models. Refer to the table on page 2 in the operating manual and perform the following work if necessary for the indoor unit model.

- (1) Use a tool to cut off the terminal on the end of the remote controller cord, and then remove the insulation from the cut end of the cord as shown in Fig. 5.
- (2) Connect the remote controller cord and connecting cord as shown in Fig. 6.

**Important:** Be sure to insulate the connection between the cords.

Fig. 5

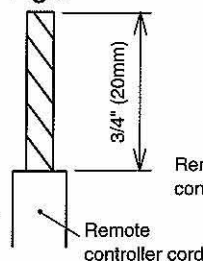


Fig. 6

