

**(PART NO. 9378626010)**

**⚠ DANGER** This mark indicates procedures which, if improperly performed, are most likely to result in the death of or serious injury to the user or service personnel.



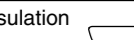
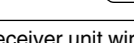

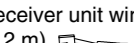
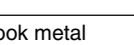

**Never touch electrical components immediately after the power supply has been turned off. Electrical shock may occur. After turning off the power, always wait 5 minutes or more before touching electrical components.**


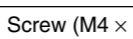

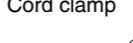
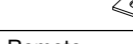
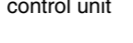
<b>⚠ WARNING</b>	This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.
①	For the air conditioner to operate satisfactorily, install it as outlined in this installation instruction sheet.
②	Installation work must be performed in accordance with national wiring standards by authorized personnel only.
③	Do not cut, shorten, or extend the wire in the standard parts.
④	Do not turn on the power until all installation work is complete.

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

- ① **Do not wire the receiver unit wire together with or parallel to the connection cables, transmission cords, remote controller cords, bus wire and power supply cords of the indoor and outdoor units. It may cause erroneous operation.**
- ② **Do not install the receiver unit wire near a source of electromagnetic waves.**
- ③ **Do not install where there is the danger of combustible gas leakage.**
- ④ **Do not install near heat sources, steam.**

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

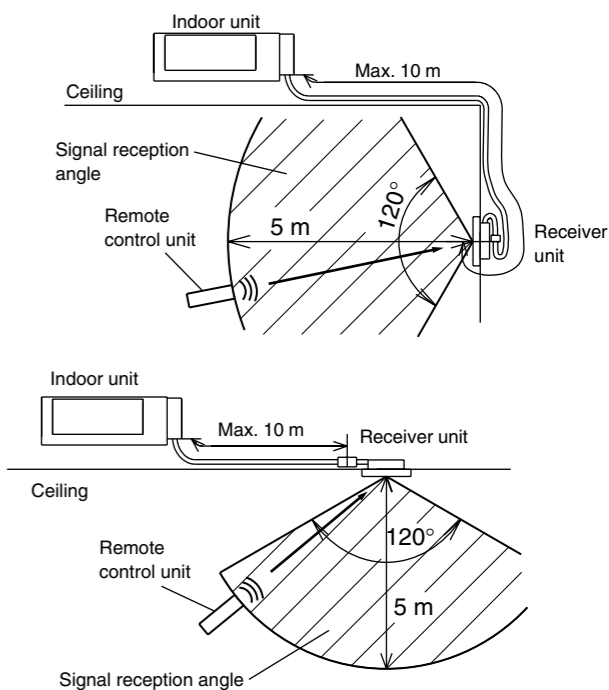
Name and Shape	Q'ty	Application
Receiver unit 	1	For receiving the signal from the remote control unit
Cover 	1	For covering receiver unit
Insulation 	1	For protecting PCB from dust
Receiver unit wire A (5 m) 	1	For connecting receiver unit wire B to receiver unit
Receiver unit wire B (0.2 m) 	1	For connecting receiver unit wire A to PCB of indoor unit
Hook metal 	1	For installing receiver unit to indoor unit (Used for 9,000-22,000 BTU/h [2.6-6.4 kW] models only)
Bracket (cover) 	1	For fixing receiver unit to the wall or ceiling
Screw (M3 × 12) 	2	For installing remote control unit holder to the wall

Name and Shape	Q'ty	Application
Screw (M4 × 20) 	2	For installing receiver unit to the wall or ceiling
Screw (M4 × 12) 	4	For installing hook metal and fixing cord clamp (Used for 9,000-22,000 BTU/h [2.6-6.4 kW] models only)
Cord clamp 	1	For fixing receiver unit wire A (Used for 9,000-22,000 BTU/h [2.6-6.4 kW] models only)
Remote control unit 	1	Use for air conditioner operation
Battery (R03/LR03) 	2	For remote control unit
Remote control unit holder 	1	Use as remote control unit holder

Name and Shape	Q'ty	Application	Part No.	Corresponding Receiver Unit
Receiver unit wire C (10 m) 	1	For extending the receiver unit wire	9707598025	UTY-LRHY1 UTY-LRHG1 UTY-LRHX1
			9707600025	UTY-LRHT1

Consult the customer and determine the installation location according to the following:

- ① The receiver unit wiring can be extended up to 10 m.  
(To extend the wiring, purchase the optional receiver unit wire C.)
- ② The signal reception angle of the receiver unit is shown in the figures to the right.
- ③ Do not install the receiver unit near a fluorescent light.  
(The unit must be at least 1 m away from a light source.)
- ④ Do not install the receiver unit where it will be exposed to direct sunlight.
- ⑤ Do not install the receiver unit where it will be exposed directly to the airflow from the indoor unit.



Technical drawing of the remote control receiver unit, showing front, side, and top views with dimensions and labels.

**Front View Dimensions:**

- Width: 90
- Height: 145

**Labels:**

- OPERATION indicator lamp (GREEN)
- TIMER indicator lamp (ORANGE)
- 3rd lamp (RED)
- MANUAL AUTO button
- REMOTE CONTROL SIGNAL RECEIVER

**Side View Dimensions:**

- Depth: 11.5
- Mounting Flange Width: 18.5

**Top View Dimensions:**

- Overall Width: 84.6
- Internal Width 1: 71.8
- Internal Width 2: 57.4
- Mounting Hole Spacing (Horizontal): 60
- Mounting Hole Spacing (Vertical): 83.5
- Mounting Hole Diameter: 17
- Internal Height 1: 22.9
- Internal Height 2: 57.6
- Internal Height 3: 72.4
- Overall Height: 118.4

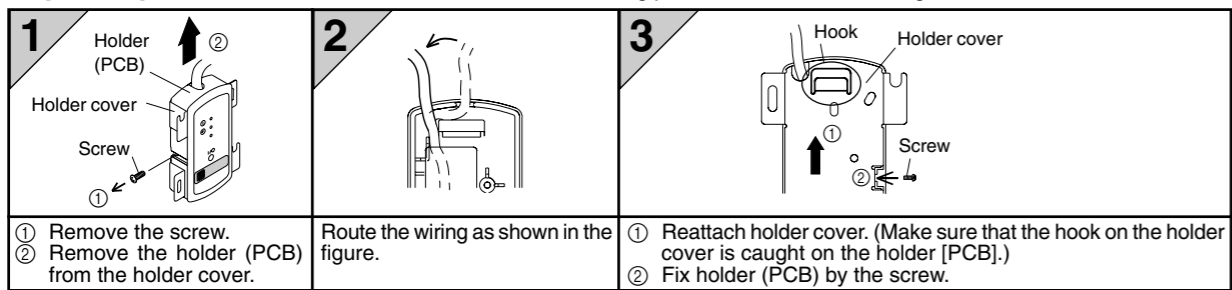
Unit: mm

**⚠ CAUTION**

- ① Do not touch the PCB or PCB parts of receiver unit directly with your hands.
- ② Fixing of the holder cover with the screws in the standard parts may be unsuitable if the wall or ceiling material is weak. If so, prepare screws suitable for the wall or ceiling material, and fix it.

(1) Select the wiring pattern.

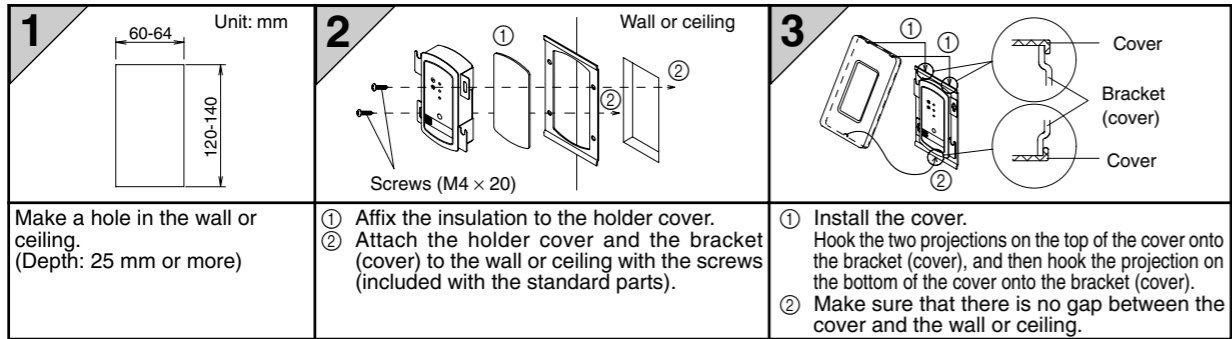
[Pattern A]	From the top of the receiver unit: No additional work is necessary.
[Pattern B]	From behind the receiver unit: Perform the following procedure to route the wiring behind the receiver unit.



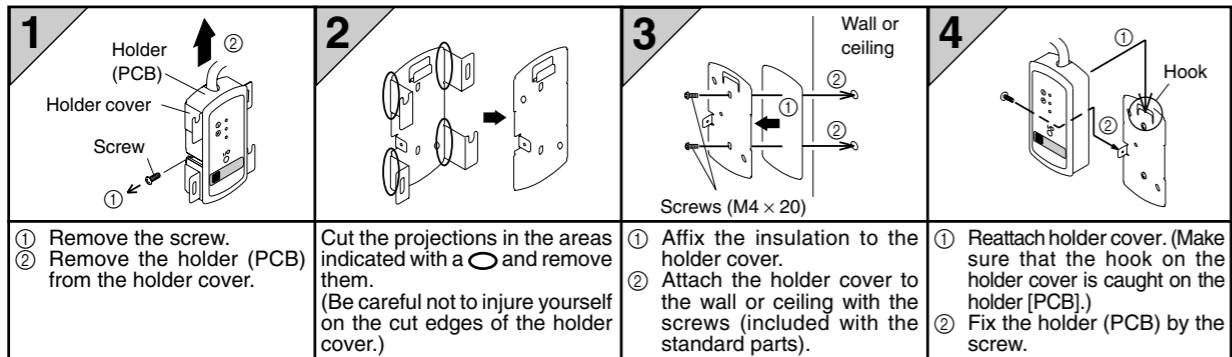
(2) Select the installation method.

[Method 1]	Receiver unit embedded in the wall or ceiling: Refer to "I. Embedding the receiver unit."
[Method 2]	Receiver unit attached to the wall or ceiling: Refer to "II. Attaching the receiver unit."
[Method 3]	Receiver unit cannot be embedded in or attached to the wall or ceiling: Refer to "III. Attaching the receiver unit to the indoor unit."

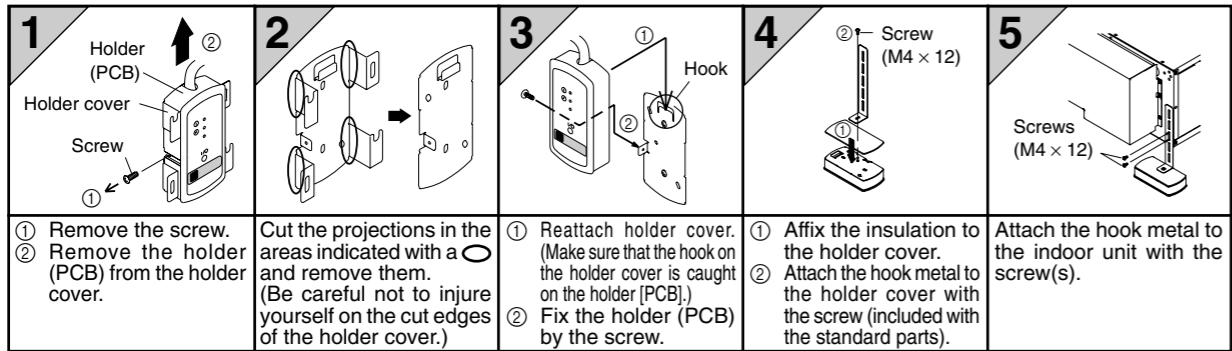
I. Embedding the receiver unit (Wiring pattern A or B)



## II. Attaching the receiver unit (Wiring pattern B)



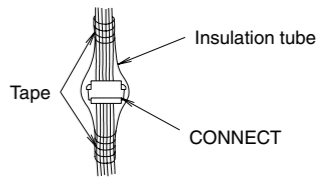
III. Attaching the receiver unit to the indoor unit (Wiring pattern A or B) \*For 9,000-22,000 BTU/h [2.6-6.4 kW] models only.



⚠ WARNING	
①	Before starting work, make sure that power is not being supplied to the indoor unit.
②	Always fasten the outside covering of the connection cord with the cord clamp. (If the insulator is chafed, electric leakage may occur.)

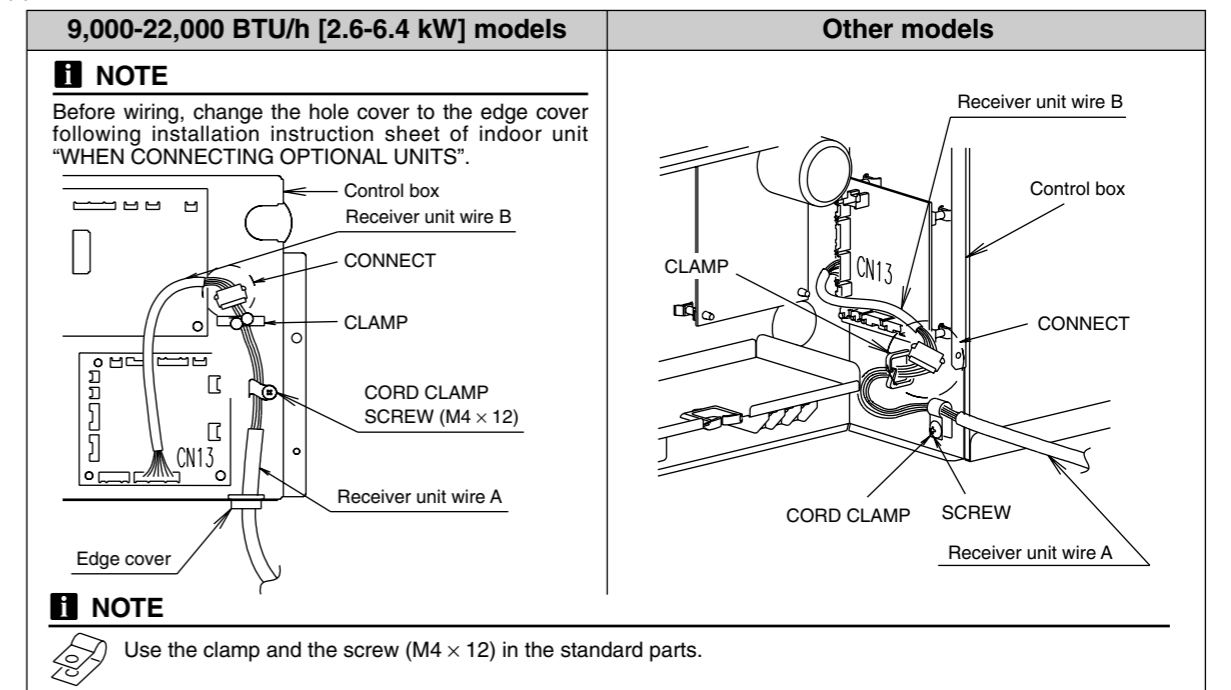
**⚠ CAUTION**

- ① Do not touch the PCB or PCB parts of indoor unit directly with your hands.
- ② When fixing the wiring, be careful to avoid touching the edge of the indoor unit or the control box.
- ③ Install the remote controller wires so as not to be direct touched with your hand.
- ④ Make sure to use and roll an insulation tube of more than 1 mm thick at the connection point of the receiver unit wire A and the receiver unit wire B.

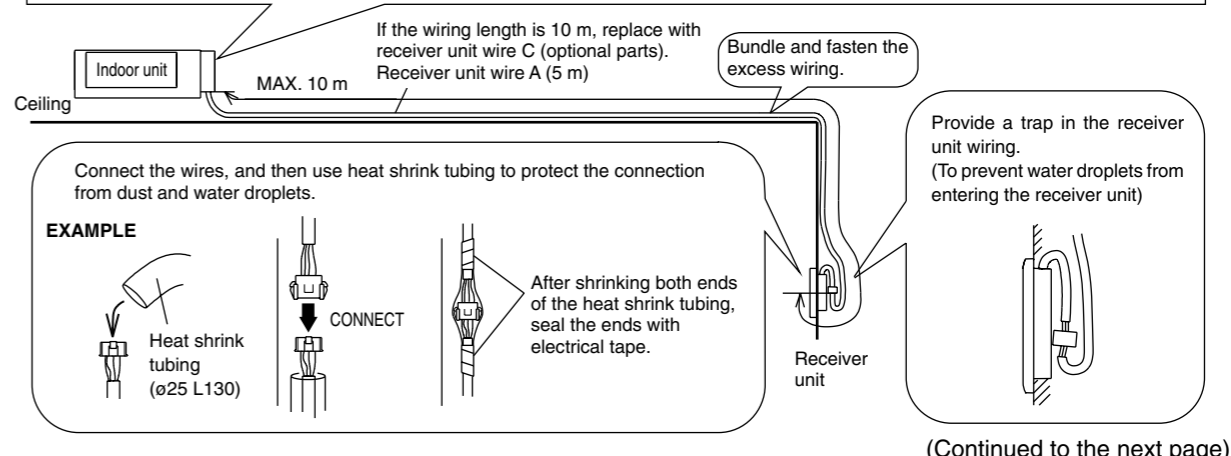


**PROCEDURE**

- (1) To remove the control box cover, referring to the installation instruction sheet of indoor unit.
- (2) Connect receiver unit wire B to CN13 on the PCB.
- (3) Shape of PCB and wiring method differ depending on indoor unit. Wire as per below diagram.
- (4) Fix the receiver unit wire A with CORD CLAMP and SCREW.
- (5) Reattach the control box cover.



Use the clamp and the screw (M4 × 12) in the standard parts.




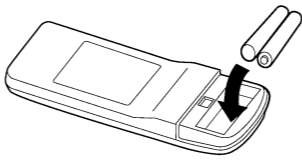
(Continued to the next page)

- Turn on the breaker.
- Make sure that the operation indicator lamp and timer indicator lamp are slowly flashing alternately.
  - If the auto restart function has been set, the air conditioner will operate with the settings immediately before the power supply was turned off.
  - If an error has occurred, the lamps on the receiver unit will flash quickly to indicate the error code. (Referring to **11** of this installation instruction sheet)

## SETTING THE REMOTE CONTROL UNIT

## 1. LOAD BATTERIES (R03/LR03 × 2)

- Press and slide the battery compartment lid on the reverse side to open it. Slide in the direction of the arrow while pressing the  mark.
- Insert batteries. Be sure to align the battery polarities (+/−) correctly.
- Close the battery compartment lid.



## CAUTION

- Take care to prevent infants from accidentally swallowing batteries.
- When not using the Remote Control Unit for an extended period, remove the batteries to avoid possible leakage and damage to the unit.
- If leaking battery fluid comes in contact with your skin, eyes, or mouth, immediately wash with copious amounts of water, and consult your physician.
- Dead batteries should be removed immediately and disposed of properly, either in a battery collection receptacle or to the appropriate authority.
- Do not attempt to recharge dry batteries.

## NOTES

- Never mix new and used batteries, or batteries of different types.
- Batteries should last about one year under normal use. If the Remote Control Unit's operating range becomes appreciably reduced, replace the batteries and press the RESET button with the tip of a ballpoint pen or other small object.

## 2. INSTALLING THE REMOTE CONTROL UNIT HOLDER

## CAUTION

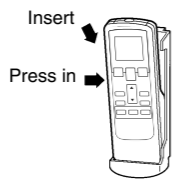
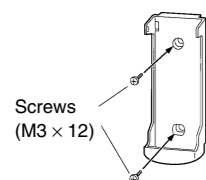
- Check that the indoor unit correctly receives the signal from the remote control unit, then install the remote control unit holder.
- Select the remote control unit holder selection site by paying careful attention to the following:  
Avoid places in direct sunlight.  
Select a place that will not be affected by the heat from a stove, etc.

- Install the remote control unit with a distance of 5 m between the remote control unit and the signal receiver of the receiver unit as the criteria. However, when installing the remote control unit, check that it operates positively.
- Install the remote control unit holder to a wall, pillar, etc. with the screw.

## Mount the Holder.

## Set the Remote Control Unit.

## To remove the Remote Control Unit (when use at hand).



## FUNCTION SETTING

- This procedure changes to the function settings used to control the indoor unit according to the installation conditions. Incorrect settings can cause the indoor unit malfunction.
- After the power is turned on, perform the "FUNCTION SETTING" according to the installation conditions using the remote control unit.
- The settings may be selected between the following two: Function Number or Setting Value.
- Settings will not be changed if invalid numbers or setting values are selected.



## Entering the Function Setting Mode

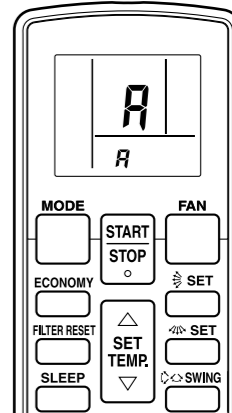
- While pressing the FAN button and SET TEMP. () simultaneously, press the RESET button to enter the function setting mode.

## STEP 1

## Setting the Remote Control Unit Signal Code

Use the following steps to select the signal code of the remote control unit. (Note that the air conditioner cannot receive a signal code if the air conditioner has not been set for the signal code.) The signal codes that are set through this process are applicable only to the signals in the FUNCTION SETTING. For details on how to set the signal codes through the normal process, refer to SELECTING THE REMOTE CONTROL UNIT SIGNAL CODE.

- Press the SET TEMP. () () button to change the signal code between  $A \rightarrow b \rightarrow c \rightarrow d$ . Match the code on the display to the air conditioner signal code. (initially set to  $A$ ) (If the signal code does not need to be selected, press the MODE button and proceed to STEP 2.)
- Press the TIMER MODE button and check that the indoor unit can receive signals at the displayed signal code.
- Press the MODE button to accept the signal code, and proceed to STEP 2.







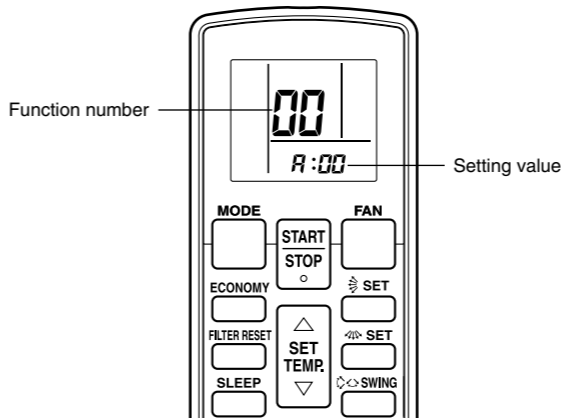
The air conditioner signal code is set to A prior to shipment. Contact your retailer to change the signal code.

The remote control unit resets to signal code A when the batteries in the remote control unit are replaced. If you use a signal code other than signal code A, reset the signal code after replacing the batteries. If you do not know the air conditioner signal code setting, try each of the signal codes ( $A \rightarrow b \rightarrow c \rightarrow d$ ) until you find the code which operates the air conditioner.

## STEP 2

## Selecting the Function Number and Setting Value

- Press the SET TEMP. () () buttons to select the function number. (Press the MODE button to switch between the left and right digits.)
- Press the FAN button to proceed to setting the value. (Press the FAN button again to return to the function number selection.)
- Press the SET TEMP. () () buttons to select the setting value. (Press the MODE button to switch between the left and right digits.)
- Press the TIMER MODE button, and START/STOP button, in the order listed to confirm the settings.
- Press the RESET button to cancel the function setting mode.
- After completing the FUNCTION SETTING, be sure to turn off the power and turn it on again.



## CAUTION

After turning off the power, wait 10 seconds or more before turning on it again. The FUNCTION SETTING doesn't become effective if it doesn't do so.

## Setting the Static Pressure

Setting Description	Function Number	Setting Value
Normal	21	00
High static pressure 1		01
High static pressure 2		02
High static pressure 3		03

Determine the wind volume in each mode i.e., applicable range of static pressure, referring to the TECHNICAL MANUAL (The unit is factory-set to "00".)

## Setting the Cooler Room Temperature Correction

- Depending on the installed environment, the room temperature sensor may require a correction. The settings may be selected as shown in the table below. (The unit is factory-set to "00".)

Setting Description	Function Number	Setting Value
Standard	30	00
Lower control		01

## Setting the Heater Room Temperature Correction

- Depending on the installed environment, the room temperature sensor may require a correction. The settings may be changed as shown in the table below. (The unit is factory-set to "00".)

Setting Description	Function Number	Setting Value
Standard	31	00
Lower control		01
Slightly warmer control		02
Warmer control		03

## Setting Other Functions

- The following settings are also possible, depending on the operating conditions. (The unit is factory-set to "00".)

## Auto Restart

Setting Description	Function Number	Setting Value
Yes	40	00
No		01

## Setting record

- Record any changes to the settings in the following table.

Setting	Setting Value
Static pressure	
Cooler room temperature correction	
Heater room temperature correction	
Auto restart	

After completing the FUNCTION SETTING, be sure to turn off the power and turn it on again.

If no buttons are pressed within 30 seconds after the signal code is displayed, the system returns to the original clock display. In this case, start again from step 1.

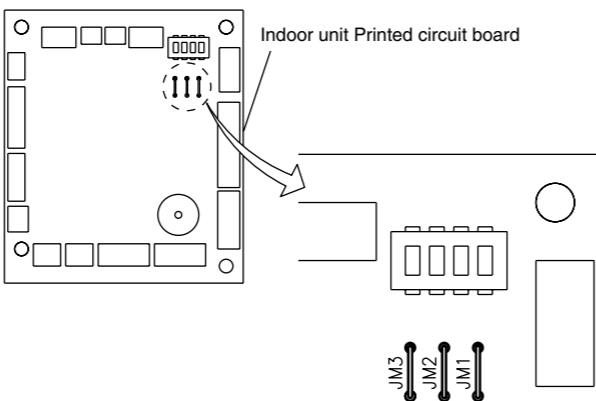
The air conditioner signal code is set to A prior to shipment. Contact your retailer to change the signal code.

The remote control unit resets to signal code A when the batteries in the remote control unit are replaced. If you use a signal code other than signal code A, reset the signal code after replacing the batteries.

If you do not know the air conditioner signal code setting, try each of the signal codes ( $A \rightarrow b \rightarrow c \rightarrow d$ ) until you find the code which operates the air conditioner.

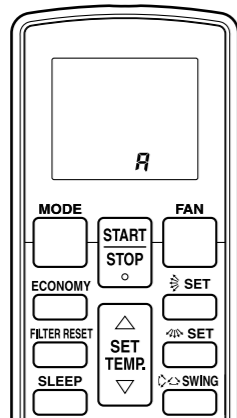
## Indoor Unit Setting

Jumper wire		Remote control unit signal code
JM 1	JM 2	
Connect	Connect	A (Factory-set)
Disconnect	Connect	B
Connect	Disconnect	C
Disconnect	Disconnect	D



## CAUTION

When cutting the jumper wire, be careful to avoid damaging other parts of the printed circuit board.



## TEST RUNNING

## CHECK ITEMS

- Is operation of each button on the remote control unit normal?
- Does each lamp light normally?
- Is the drain normal?
- Is there any abnormal noise and vibration during operation?

- Do not operate the air conditioner in the running state for a long time.
- Test running

When the air conditioner is run by pressing the remote control unit test run button, the OPERATION and TIMER indicator lamps flash slowly at the same time.

## [OPERATION METHOD]

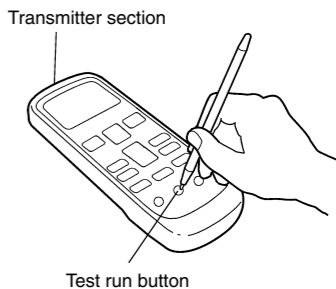
- For the operation method, refer to the operating manual.
- The outdoor unit may not operate depending on the room temperature. In this case, press the test run button on the remote control unit while the air conditioner is running. (Point the transmitter section of the remote control unit toward the air conditioner and press the test run button with the tip of a ball-point pen, etc.)

## [ERROR CONTENTS]

OPERATION indicator lamp (GREEN)	TIMER indicator lamp (ORANGE)	3rd lamp (RED)	Error contents
×	○	×	Indoor signal error
×	(8 times) ○	×	Wired remote controller abnormal
(2 times) ○	(2 times) ○	×	Indoor room temperature sensor error
(2 times) ○	(3 times) ○	×	Indoor heat exchanger temperature sensor (middle) error
(2 times) ○	(4 times) ○	×	Indoor heat exchanger temperature sensor (inlet) error
(2 times) ○	(6 times) ○	×	Float switch operated
(3 times) ○	(2 times) ○	×	Outdoor discharge pipe temperature sensor error
(3 times) ○	(3 times) ○	×	Outdoor heat exchanger temperature sensor (outlet) error
(3 times) ○	(4 times) ○	×	Outdoor temperature sensor error
(3 times) ○	(7 times) ○	×	Heat sink thermistor error
(3 times) ○	(8 times) ○	×	Compressor temperature sensor error
(3 times) ○	×	(2 times) ○	2-way valve temperature sensor error
(3 times) ○	×	(3 times) ○	3-way valve temperature sensor error
(3 times) ○	×	(4 times) ○	Outdoor heat exchanger temperature sensor (middle) error
(4 times) ○	(2 times) ○	×	Indoor manual auto switch abnormal
(4 times) ○	(4 times) ○	×	Power supply frequency detection error
(5 times) ○	(2 times) ○	×	IPM protection
(5 times) ○	(3 times) ○	×	CT error
(5 times) ○	(5 times) ○	×	Compressor location error
(5 times) ○	(6 times) ○	×	Outdoor fan error
(5 times) ○	(7 times) ○	×	Connected indoor unit abnormal
(5 times) ○	(8 times) ○	×	Outdoor unit computer communication error
(6 times) ○	(2 or 3 times) ○	×	Indoor fan abnormal
(7 times) ○	(2 times) ○	×	Discharge temperature error
(7 times) ○	(3 times) ○	×	Excessive high pressure protection on cooling
(7 times) ○	(4 times) ○	×	4-way valve abnormal
(7 times) ○	(5 times) ○	×	Pressure switch abnormal
(7 times) ○	(6 times) ○	×	Compressor temperature error
(8 times) ○	(2 or 3 times) ○	×	Active filter abnormal
(8 times) ○	(4 times) ○	×	PFC circuit error

○ : 0.5s ON/0.5s OFF (flash)

× : OFF



- To end test operation, press the remote control unit START/STOP button. (When the air conditioner is run by pressing the test run button, the OPERATION indicator lamp and TIMER indicator lamp will simultaneously flash slowly.)