

MITSUBISHI ELECTRIC Package Air-Conditioner Optional parts Installation Manual for i-see Sensor Corner Panel

PAC-SE1ME-E

Safety precautions

- •Before installation, make sure you read all the "Safety precautions".
- •The precautions herein provide very important points regarding safety. Make sure you follow them.
- •Symbols used in this manual are categorized as follows according to the degree of risk when used improperly:

Warning Describes precautions that must be observed to prevent danger of injury or death of the user.

Caution Describes precautions that must be observed to prevent damage to the unit.

• After installation, describe the user "Safety precautions", how to use, and how to care for and clean the unit following the operation manual, and test run the unit to confirm whether there are any problems.

In addition, direct the user to keep this installation manual together with the operation manual, and, should the users change, to give the manuals

Warning

Ask the dealer or an authorized technician to install the unit.

• If the unit is installed improperly by the user, water leakage, electric shock, or fire may result.

Installation must be properly done following this installation manual.

•If the unit is installed improperly, water leakage, electric shock, or fire may result.

Before installation (Relocation)

⚠ Caution

Do not use the unit in an unusual environment.

•If used in an environment with a large amount of volatile oil (including mechanical oil), steam, or sulfidizing gas or where it is high in salt content such as a seashore where the outdoor unit may become blocked by snow, performance may drop significantly or parts may become damaged.

Use proper electrical cables to meet the standard for current capacity.

•If improper electrical cables are used, short circuit, electric shock, or fire may result.

Make sure that heat insulation for refrigerant piping is properly installed to prevent bedewing.

- •If heat insulation is not done properly, bedewing of the surfaces such as piping may result, which will make the ceilings, floors, or other valuable items wet.
- •Insulation for the joint part must be done after an airtightness test.

Do not place polyethylene bags in reach of young children.

•Putting them over head will block breathing passages, which could result in suffocation.

Drain piping must be done properly according to the installation manual to drain water and must be heat insulated to prevent

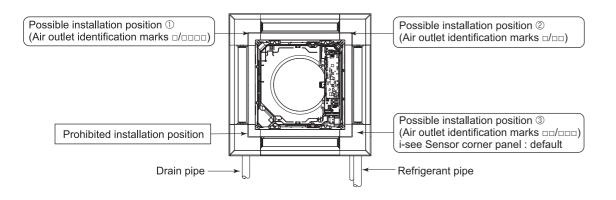
•If piping is not properly installed, water leakage may result, which will make the ceilings, floors, or other household items wet.

Transport and installation of the product must be done carefully.

•In principle, products over 20 kg must be carried by two or more people. Make sure you move the product holding only the designated handle but not a PP band and such.

Use protectors to prevent injury; do not touch the fins or the edge of part with your bare hands.

• The i-see Sensor corner panel can be installed on any of the following positions among 1 to 3:



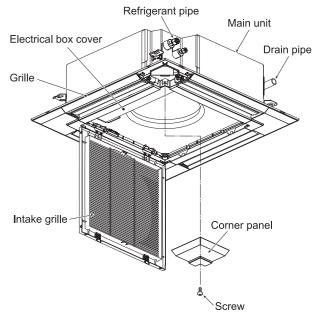
1. Preparation for installing i-see Sensor corner panel

1. Open the intake grille and remove the corner panel. The corner panel is at where refrigerant pipes are (where local wires are drawn into). The following explains procedures for the case of the possible installation position ③. When the position ① or ② is selected, remove the corresponding corner panel.

- Discard only the removed corner panel.
- Reuse the screw of the removed corner panel to install the i-see Sensor corner panel.
- When installing the i-see Sensor corner panel during grille installation, complete the wiring work of grille before proceeding to the following procedure.

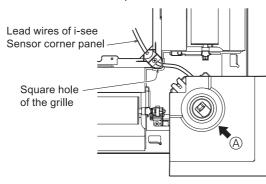
2. Loosen the 2 screws on the electrical box cover, and remove the cover by sliding; however, in this installation, the cover can hang temporarily.

Make sure to turn off the main power before work.

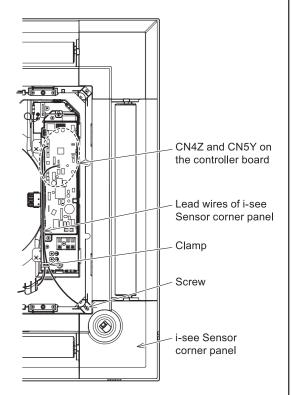


2. Installing i-see Sensor corner panel

- 2-1 Installation procedure for possible installation position ③
- 1. Pull the lead wires of i-see Sensor corner panel from the square hole of the grille where the removed corner panel was.

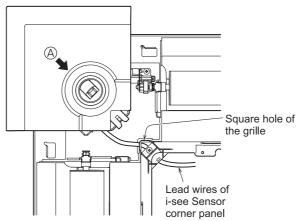


- 2. Route the lead wire connector (white, 4 poles and white, 5 poles) of the i-see Sensor corner panel from the side of the electrical box on the main unit, and connect to the connector CN4Z and CN5Y on the controller board.
- 3. Use the clamp inside the electrical box to hold the lead wires for the i-see Sensor corner panel into the electrical box without slack.
- 4. Slide the i-see Sensor corner panel towards the arrow A as shown in the figure above, and fix it with the screw. (Reuse the screw of the corner panel removed in the previous procedure.)
- 5. After the installation of the i-see Sensor corner panel is complete, re-install the electrical box cover and the intake grille as they were.



2-2 Installation procedure for possible installation position ①

 Pass the lead wire of i-see Sensor corner panel through the square hole of the grille located in the corner.

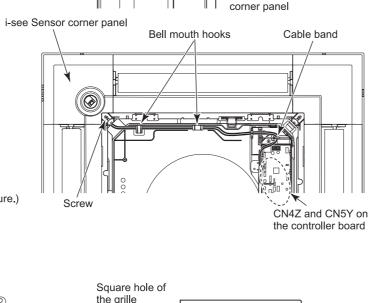


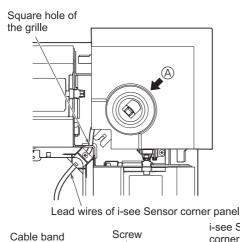
- Route the lead wire connectors (white, 4 poles and white, 5 poles) of the i-see Sensor corner panel from the side of the electrical box on the main unit, and connect to the connectors CN4Z and CN5Y on the controller board.
- 3. Route the lead wires for the i-see Sensor corner panel through the bell mouth hooks on the main unit and fix the excess portions of the lead wires in the electrical box using the cable band, making sure that there is no slack in the lead wires.
- 4. Slide the i-see Sensor corner panel towards the arrow A as shown in the figure above, and fix it with the screw. (Reuse the screw of the corner panel removed in the previous procedure.)
- After the installation of the i-see Sensor corner panel is complete, re-install the electrical box cover and the intake grille as they were.

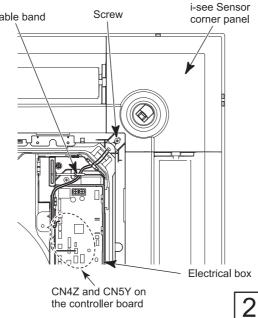
2-3 Installation procedure for possible installation position ②

1. Pass the lead wire of i-see Sensor corner panel through the square hole of the grille located in the corner.

- Route the lead wire connectors (white, 4 poles and white, 5 poles)
 of the i-see Sensor corner panel from the side of the electrical box
 on the main unit, and connect to the connectors CN4Z and CN5Y on
 the controller board.
- Fix the excess portions of the lead wires for the i-see Sensor corner panel in the electrical box using the cable band, making sure that there is no slack in the lead wires.
- 4. Slide the i-see Sensor corner panel towards the arrow A as shown in the figure above, and fix it with the screw. (Reuse the screw of the corner panel removed in the previous procedure.)
- After the installation of the i-see Sensor corner panel is complete, re-install the electrical box cover and the intake grille as they were.







 Make sure to perform a function selection to set the position or the ceiling height of the i-see Sensor using the remote controller or DIP switches.

1) When used in combination with PLA-EA

Configuration will be done on the remote controller. For the function selection procedure and operation method, refer to "5. Service Menu" in the installation manual of the remote controller.

Select and configure units 01-04 or all units.

- a) To configure the indoor unit of an independent system, select and configure unit 01.
- b) To configure two, three, or four indoor units individually, select and configure each unit 01–04.
- c) To configure two, three, or four indoor units simultaneously, select and configure all units.

Mode	Setting	Mode number	Setting number	Initial setting	Check*	Remarks
i-see Sensor positioning	Position ①	12	1			Corner with the air outlet identification marks □/□□□□
	Position @		2			Corner with the air outlet identification marks □/□□
	Position ③		3	0		Corner with the air outlet identification marks under
i-see Sensor ceiling height setting	Low ceiling	26	1			Ceiling height: less than 2.7 m
	Standard		2	0		Ceiling height: 2.7 – 3.5 m
	High ceiling		3			Ceiling height: 3.5 – 4.5 m

2) When used in combination with PLFY-EM

Set the switches (SW3-3, 3-4, 3-9, and 3-10) on the controller board of each indoor unit according to the table below.

Mode	Setting	SW3-3	SW3-4	Initial setting	Check*	Remarks
i-see Sensor positioning	Position ①	OFF	OFF			Corner with the air outlet identification marks □/□□□□
	Position ②	ON	OFF			Corner with the air outlet identification marks □/□□
	Position ③	OFF	ON	0		Corner with the air outlet identification marks parallel
Mode	Setting	SW3-9	SW3-10	Initial setting	Check*	Remarks
i-see Sensor ceiling height setting	Low ceiling	OFF	OFF			Ceiling height: less than 2.7 m
	Standard	ON	OFF	0		Ceiling height: 2.7 – 3.5 m
	High ceiling	OFF	ON			Ceiling height: 3.5 – 4.5 m

^{*} Whenever the function selection is used to change the indoor unit functions after installation, be sure to record all of the settings with a "o" or other mark in the "Check" column of the tables above.