INSTALLATION MANUAL FOR A-Control Sub Interface Unit

PAC-SK74SI-E

This manual is written only for the models PU(H)-P1.6~3VGA and PU(H)-P3~6YGA.

MODELS

PU(H)-P1.6~3VGA

PU(H)-P3~6YGA

SAFETY PRECAUTIONS

- Before starting installation, read the "Safety Precautions" described below.
- The following precautions must be observed as it describes the serious matters for safety.
- The safety precautions are described with the degree of danger.

1	⚠ WARNING	Incorrect handing, it can lead to death or serious injury.	
	⚠ CAUTION	Incorrect handing, it can lead to injury or damage to building and furniture.	

 After installation, make a test operation and confirm that it works properly, and explain the safety precautions, operation method, and maintenance to your customers.

Tell your customers to keep this installation manual together with the operation manual with them, and when they give or sell this machine to other person put this installation manual and operation manual with it.

MARNING

The installation must be done by dealer or qualified person.

 If the customer does the installation by themselves and it is not perfectly installed it can cause water leak, electric shock, or fire.

The installation must be done in accordance with this manual.

 If the installation is not perfectly done, it can cause water leak, electric shock, or fire.

Never try any modification.

· For repair, ask your dealer.

If the machine is modified or repaired unperfectly, it can cause water leak, electric shock, or fire.

Never move or reinstall the machine by the customers

 If the installation is not perfectly done, it can cause water leak, electric shock, or fire. Ask your dealer or qualified person. The wiring must be securely done by using proper cable. The wires should be connected to the terminals so as not to exert external force on the cable.

· Unperfect connections can cause heat or fire.

The termial cover (panel) of the unit must be installed securely.

· Unperfect installation can cause fire or electric shock by dust or water.

The electric installation must be done by a qualified person in accordance with this installation manual. Use the separate circuit only for this machine and use the rated voltage and a circuit breaker.

If the electric circuit power is not sufficient or the wiring is not properly done, it can cause electric shock or fire.

Before electric wiring

△ CAUTION

Install a circuit breaker depending upon the location.

· Without a circuit breaker, it can cause electric shock.

Use standard wires which meet current capacity.

Otherwise, it can cause short-circuit, heat, or fire.

Wires must not have tension.

. It can cause snipping, heat, or fire.

Ground wire location

 Never ground to gas pipe, water pipe, lightning conductor, or telephone ground wire.

Unperfrect ground can cause short-circuit.

Use proper fuses

If you use larger size fuses or needle wire, it can cause failure or fire.

Before test operation

A CAUTION

Turn the power on 12 hours or more before operation.

If you start operation as soon as the power is on, it can cause failure.
 Never turn the power off during the season.

Never operate the machine with the panel or guard off.

 It can cause serious injury being caught by a rotating part or burns or electric shock by high voltage part.

Never operate the machine with the air filter off.

It can cause failure by dust.

Never operate the switches with wet hands

It can cause electric shock.

Never touch refrigerant pipes while the machine is running.

 The refrigerant pipes become high and low temperature while the machine is running. If you touch the pipes by hand, it can cause chilblain or burns.

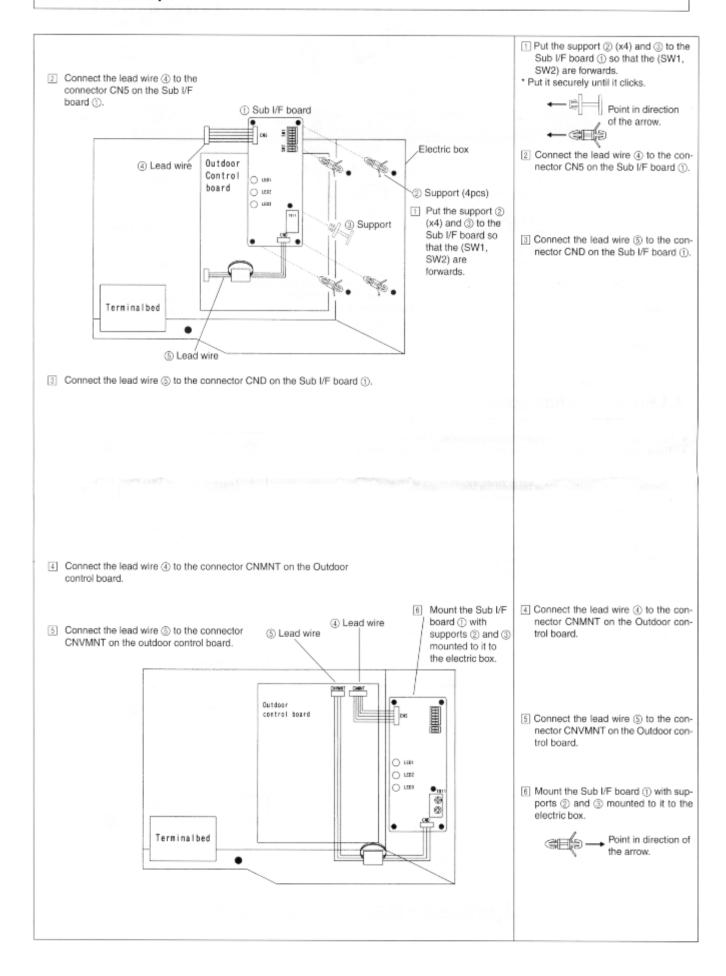
Never turn the power off as soon as the machine stops.

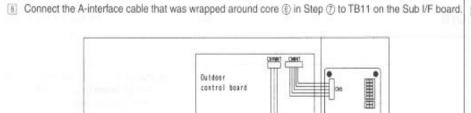
. Wait for 5 minutes or more. It can cause water leaks or failure.

1. Parts List

No.	Description	Figure	Q'ty	Note
1	Sub I/F board	• 000 -	t SAFE	Take measures for static when handling the board. Otherwise, the part can be broken.
2	Support	→ *	4	Insert it into electric box from the arrow side.
3	Support		result presse resultationne	Insert it into Sub I/F board from the arrow side.
4	Lead wire (5 wires)		1	
6	Lead wire (3 wires)		on an human Am	e contratement will asset an armining will the formation of helicitary affecting and the contratement of t
6	Core		2	
0	Pull tight	<u> </u>	2	no se also noquilit e 1 s, acces

2. Installation procedure





Gutdeer control board

List
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Core

(i) Core

- Secure core (§) and the electric box so that no strong force is applied to the A-interface cable.
 - Pass the tie-wrap (pull-tight) (i) through both the core (i) and the hole in the electric box.
- Wrap the A-interface cable three times around core (§). (Pass through the center of the core three times.)

- Wrap the A-interface cable three times around core (E). (Pass through the center of the core three times.)
 - A-Interface cable (transmission cable)

Non-polar, 2-wire

Use a 0.3 mm2 to 1.25 mm2 cable. Never use transmit wires of different system with a cable which contains multi wires.

The communication of transmit signals will not work properly and it can cause wrong operation.

- *The maximum insulated wire length for the A-interface cable is 500 m.
- * When the A-interface cable is not wrapped around core (§) three times, insulate the cable with a sheath.
- Connect the A-interface cable that was wrapped around core (a) in Step
 To TB11 on the Sub I/F board.
 - * Connect securely so that there is no looseness of the screw for TB11.
- Secure core (§) and the electric box so that no strong force is applied to the A-interface cable.
 - * Perform steps (7) through (9) in the same manner when installing a jumper wire.

3. LED display functions

- . LEDs 1 to 3 can be used for performing simple checks of the Sub I/F board.
- . The display function LEDs 1 and 2 can be changed by the on/off setting of SW2.
- When SW2 is set to off.

Displays communication status between the Main I/F and Sub I/F.

- . LED1 flashes when the Sub I/F is sending.
- . LED2 flashes when the Sub I/F is receiving.
- When SW2 is set to on.

Displays communication status between the outdoor unit and Sub I/F.

- . LED1 flashes when the Sub I/F is sending.
- · LED2 flashes when the Sub I/F is receiving.

