PAC-SJ95MA-E

# INSTALLATION MANUAL FOR A-M CONVERTER

For models in which this component is used, see the separate sheet.

# 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.

When you handle wrong, it can lead to death or serious injury.
When you handle wrong, it can lead to injury or damage to building and furniture.

•After installation, make 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 operation manual with them, and when they give or sell this machine to other person put this installation manual and operation manual with it.

# **≜**WARNING

The installation must be done by dealer or qualified person The wiring must be securely done by using proper cable. The wires should be connected to the terminals not to have external force of the cable. ·If the customers do the installation by themselves and it is not perfectly installed it can cause water leak, electric shock, or fire. Faulty connections can cause heat or fire. The installation must be done in accordance with this manual The terminal cover (panel) of the unit must be installed securely •If the installation is not perfectly done, it can cause water leak, electric •Faulty installation can cause fire or electric shock by dust or water. shock, or fire, The electric installation must be done by qualified person in accordance Never try any modification. with this installation manual. Use the separate circuit only for this machine and use rated voltage and circuit breaker. For repair, ask your dealer If the machine is not modified or repaired completely, it can cause water ·If the electric circuit power is not sufficient or the wiring is not properly leak, electric shock, or fire, done, it can cause 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.

### Before electric wiring

<u> </u> CAUTION						
Install a circuit breaker depending upon the location.	Put ground wire.					
•Without a circuit breaker, it can cause electric shock.	•Never ground to gas pipe, water pipe, lightning conductor, or telephone ground wire.					
Use standard wires which meet current capacity.	Faulty ground can cause electric shock.					
•Otherwise, it can cause short-circuit, heat, or fire.	Wires must not have tension.					
	•It can cause snipping, heat, or fire.					

### Before test operation

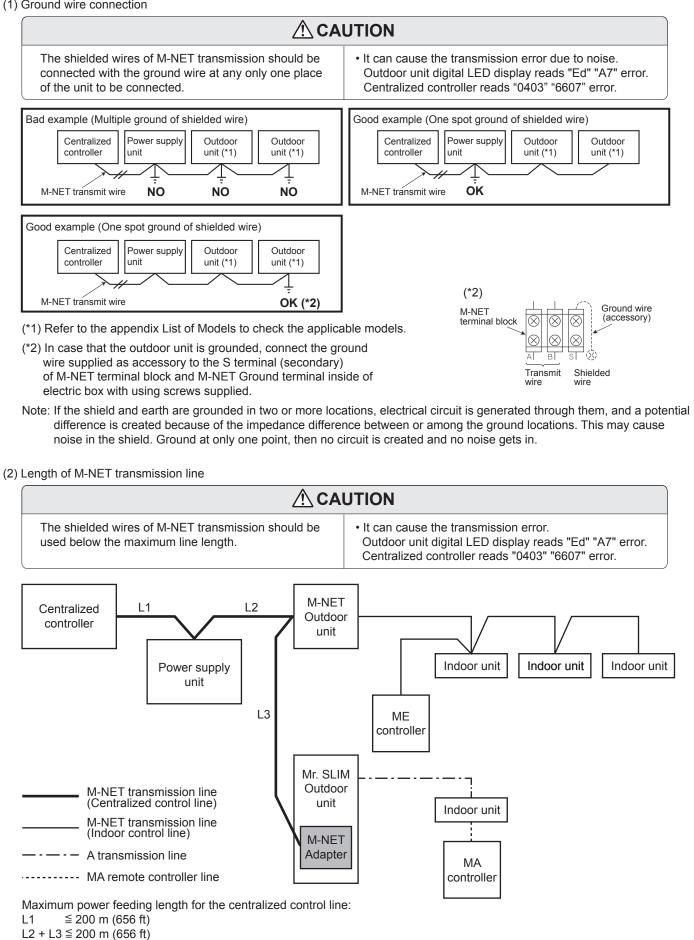
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Turn the power on 12 hours or more before operation.	Never operate the switches with your hand wet.
•If you start operation as soon as the power on, it can cause failure. Never turn the power off during season.	It can cause electric shock.  Never touch refrigerant pipes while the machine running.
Never operate the machine without panel or guard off.       •It can cause serious injury being caught by rotating part or burn or electric shock by high voltage part.	•The refrigerant pipes becomes high and low temperature while the machine running. If you touch the pipes by hand, it can cause chilblain or burn.
Never operate the machine without air filter off.       •It can cause failure by dust.	Never turn the power off as soon as the machine stops.       •Wait for 5 minutes or more. It can cause water leak or failure.

# Attention for M-NET connection

Pay attention to the next points for wiring of shielded wires.

(1) Ground wire connection

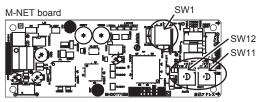


1.	1.Parts List										
No.	Description	Figure	Q'ty	Applicable models						Note	
110.	Description	riguie	Qiy	Α	В	С	D	E	F	G	Note
1	M-NET board (with insulation sheets and supports)		1	0	0	0	0	0	0	0	
2	Plate1 (For mounting M-NET board)	0 0 0 0 0 0	1	0							
3	Plate2 (For mounting M-NET board)	0 0 0 0	1			0					
4	Plate3 (For mounting M-NET board)	ि <u>०</u> ०० लु००	1						0		
	In evel at the set of the	S C	\$ 1	0							
5	Insulation sheets ⑤,ℳ,ℂ		1 ₪	0							
			© 1	0	0						
6	Screw (M4×8)		2	(1)		) (2)			(2)		
7	Terminal block (M-NET)	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	1	0	0	0	0	0	0	0	
8	Terminal screw (M3×20)	the state of the s	1	0	0	0	0	0	0	0	
9	Label	CENTRALIZED CONTROL(M-NET) A B S B G 7 9 H 7 4 4 H 0 2	1	0	0	0	0	0	0	0	
10	Lead wire-A (5 wires)	Color: Red Length: 380 mm (15 inch)	1	0	0	0		0	0	0	Wire Marking : INV type Always make sure that the markings and the applicable model match. If used incorrectly, parts could be damaged.
11	Lead wire-B (5 wires)	Color: White	1				0				Wire Marking : NON-INV Always make sure that the markings and the applicable model match. If used incorrectly, parts could be damaged.
12	Lead wire-C (3 wires)	Length: 480 mm (19 inch)	1	0	0	0	0	0	0	0	
13	Lead wire-D (2 wires)	Length: 680 mm (27 inch)	1	0	0	0	0	0	0	0	
14)	Ground wire and screw (M4×8)	00	1 each	(())	(())	(())	(())	(0)	(())	(())	
15	Fastener		2	0	0	0	0	0	0	0	

### 2.Switch setting

#### Before installation

Set switch on M-NET board in advance before installing on the electrical parts box.



#### (1) M-NET address setting

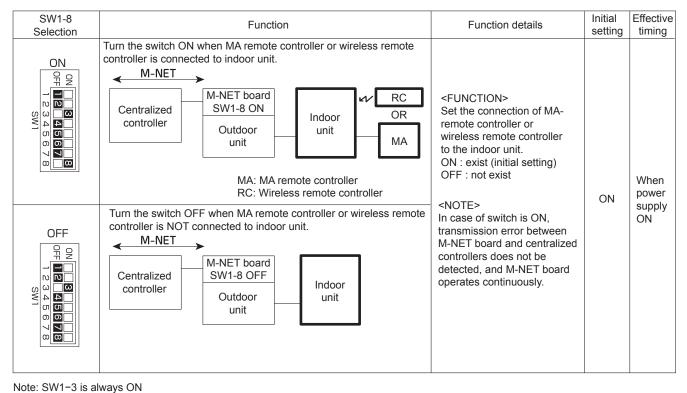
The setting should be done by rotary switches SW11 and SW12 on M-NET board. (Factory settings are all Zero) Make sure to set M-NET address within the range of 01 to 50.

When installing two or more outdoor units, do not use the same number more than once for M-NET address.

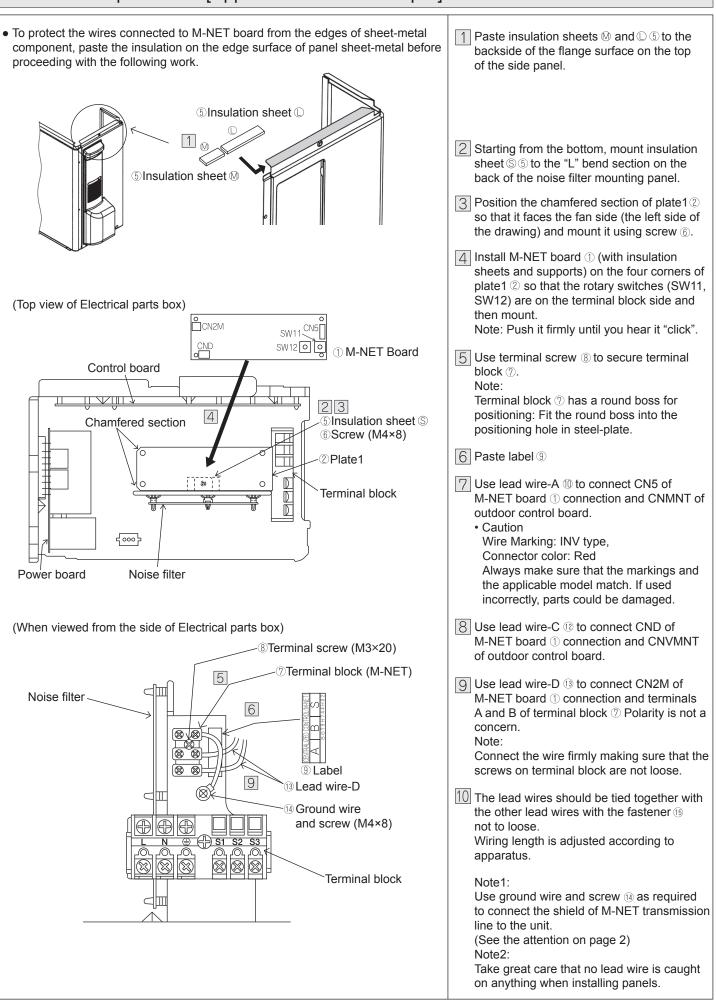


	-			_	
M-NET address No.		1	2		50
Switch setting	SW 11 (Ones digit)				
	SW 12 (Tens digit)		200 000 000 000		

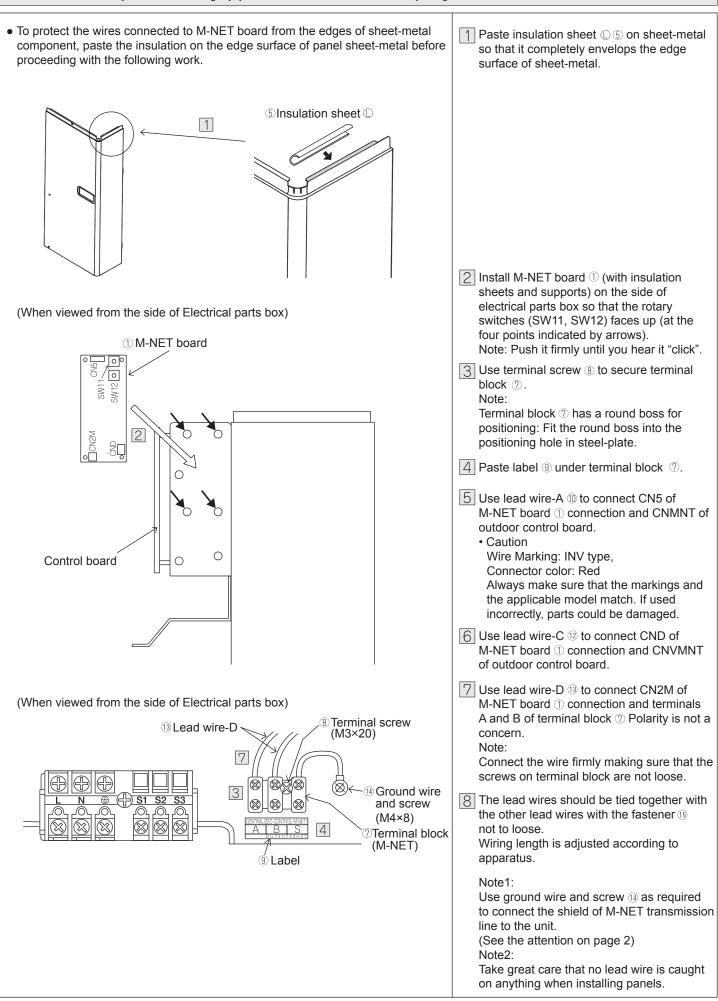
#### (2) Switch 1-8 setting



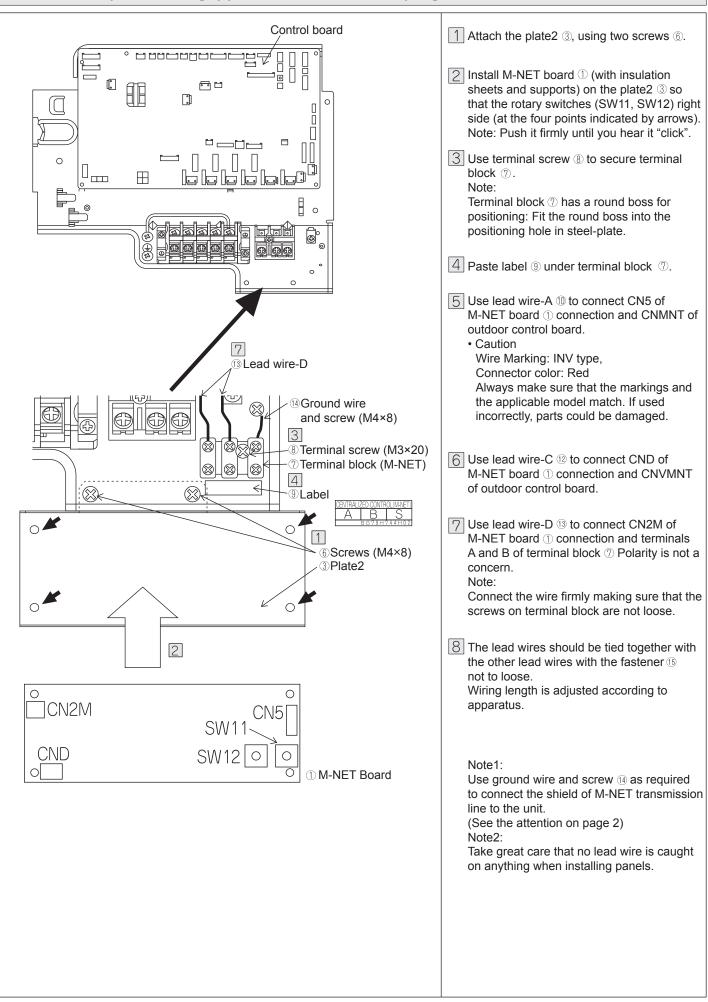
### 3.Installation procedure [Applicable model : Group A]



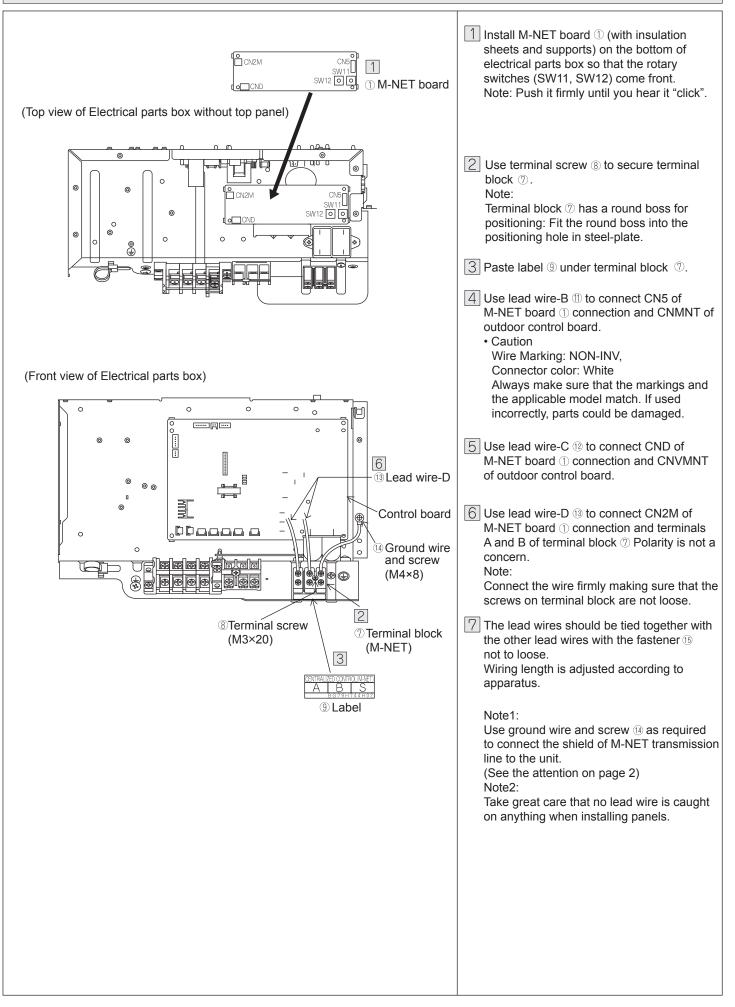
### 3.Installation procedure [Applicable model : Group B]



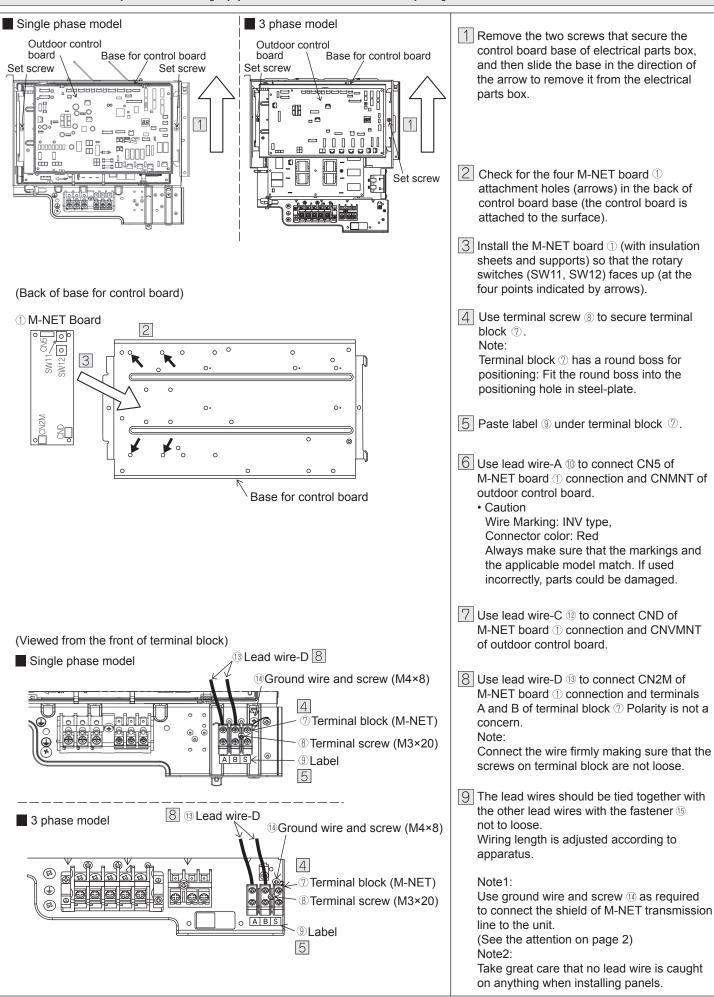
### 3.Installation procedure [Applicable model : Group C]



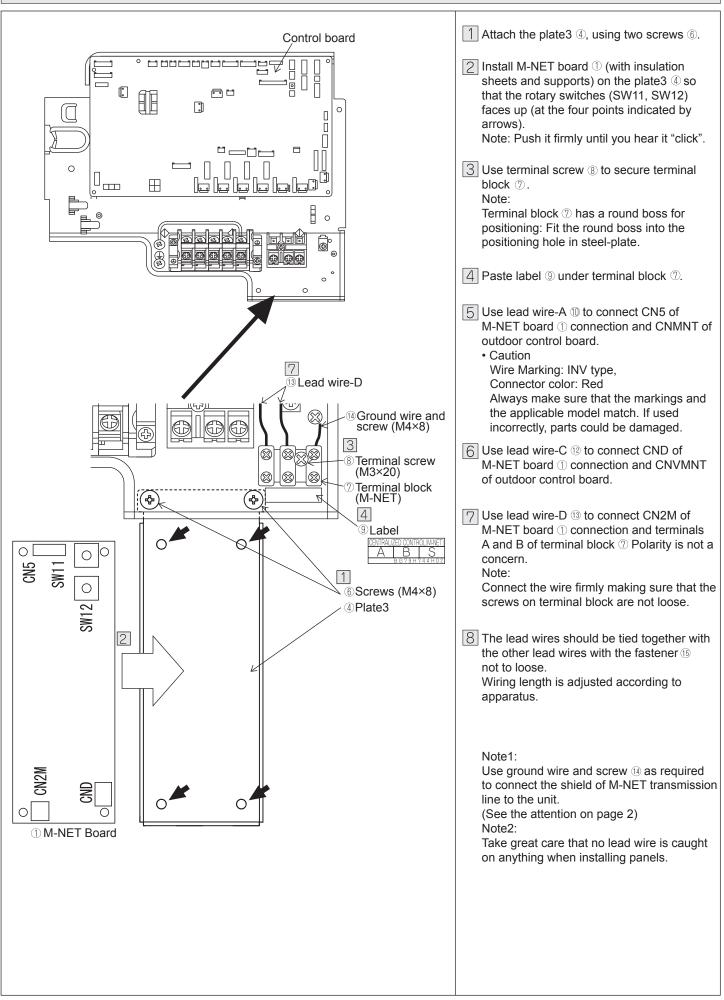
### 3.Installation procedure [Applicable model : Group D]



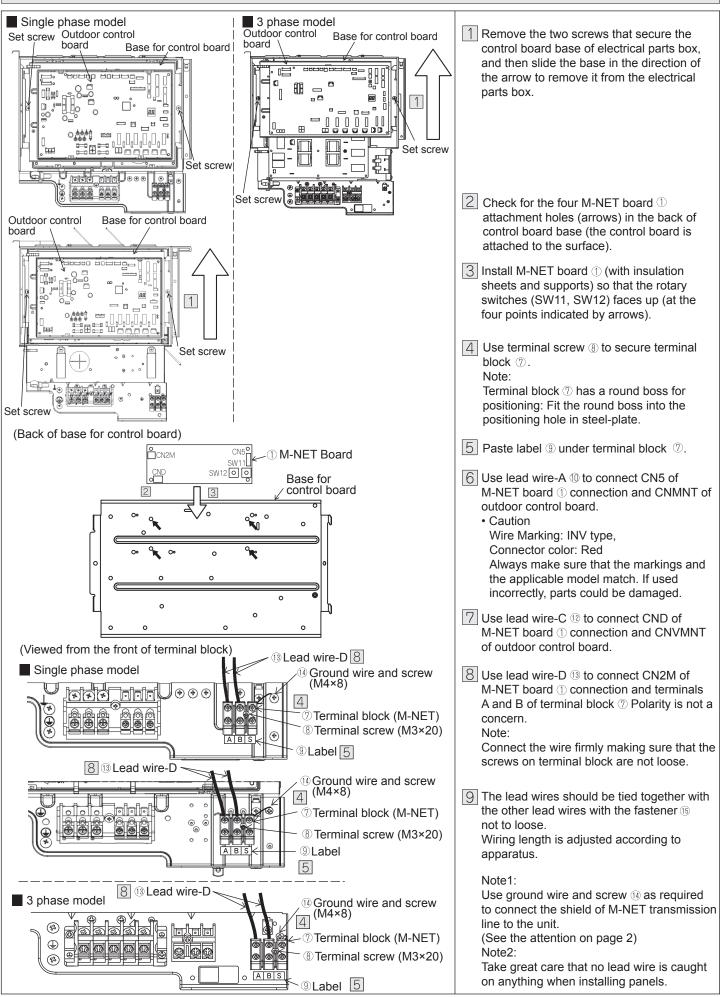
### 3.Installation procedure [Applicable model : Group E]



### 3.Installation procedure [Applicable model : Group F]



### 3.Installation procedure [Applicable model : Group G]





#### BT79G962H01

# PAC-SJ95MA-E List of Models on separate sheet

Group		Page	Group		Page	Group		Page
A:	PUHZ-RP1.6/2VHA PUHZ-RP35/50VHA PUHZ-RP35/50VHA1 PUHZ-RP35/50VHA2 PUHZ-RP35/50VHA2 PUHZ-RP35/50VHA3 PUHZ-RP35/50VHA4 PUZ-A18NHA4 PUZ-A18NHA2 PUZ-A18NHA4 PUZ-A18NHA6 PUY-A12/18NHA4 PUY-A12/18NHA2 PUY-A12/18NHA2 PUY-A12/18NHA3 PUY-A12/18NHA4 PUY-A12/18NHA4 PUY-A12/18NHA4 PUY-A12/18NHA4 PUY-A12/18NHA4 PUY-A12/18NHA6 PUY-A12/18NHA4 PUY-A12/18NHA4 PUY-A12/18NHA4 PUY-A12/18NHA4 PUY-A12/18NHA4 PUY-A12/18NHA4 PUY-A12/18NHA4 PUY-A12/18NHA4 PUY-A12/18NHA6 PUHZ-RP2.5—6VHA	5	B:	PUZ-A24—42NHA PUZ-A24—42NHA2 PUZ-A24—42NHA3 PUZ-A24—42NHA4 PUZ-A42NHA5 PUZ-A24—42NHA6 PUY-A24—42NHA6 PUY-A24—42NHA2 PUY-A24—42NHA2 PUY-A24—42NHA3 PUY-A24—42NHA4 PUY-A42NHA5 PUY-A24—42NHA6 PUZ-HA30/36NHA4 PUZ-HA30/36NHA4 PUZ-HA30/36NHA5 PUZ-HA42NKA PUZ-HA42NKA PUZ-HA42NKA PUZ-HA42NKA	6	E:	PUHZ-P200/250YHA PUHZ-P200/250YHA3 PUHZ-P200/250YHA3R1 PUHZ-P200/250YHA3R2 PUHZ-P200/250YHA3R3 PUHZ-BP170—250YHA-A PUHZ-RP200/250YHA2 PUHZ-RP200/250YKA PUHZ-RP200/250YKAUK PUHZ-ZRP200/250YKALUK PUHZ-ZRP200/250YKA2.UK PUHZ-ZRP200/250YKA3.UK PUHZ-ZRP200/250YKA3.UK PUHZ-RP200YKA PUHZ-RP200YKA PUHZ-RP200YKA PUHZ-RP200YKA PUHZ-RP200YKA PUHZ-RP100—140YHA2-A PUHZ-RP100—140YHA2#1-A PUHZ-RP100—200YKAA	9
	PUHZ-RP3—6VHA-A PUHZ-RP60—140VHA PUHZ-RP71—140VHA-A PUHZ-RP71—140VHA-A PUHZ-RP60—140VHA1 PUHZ-RP60—140VHA2 PUHZ-RP60—140VHA2 PUHZ-RP60—100VHA3 PUHZ-RP60—100VHA3 PUHZ-RP60—100VHA3#1 PUHZ-RP71—140VHA2#2 PUHZ-RP71—140VHA2#2 PUHZ-RP71VHA4-A PUHZ-RP71VHA4-A PUHZ-RP71VHA5-A PUHZ-RP100—140VKA PUHZ-RP100—170VKA2-A PUHZ-RP100—170VKA2-A PUHZ-RP100—170VKA2-A		C:	PUHZ-P50—140VHA-SH PUHZ-RP4—6YHA PUHZ-RP100—140YHA PUHZ-RP100—140YHA2 PUHZ-RP100—140YHA2 PUHZ-RP100—140YHA21 PUHZ-RP100YHA3 PUHZ-RP100YHA3#1 PUHZ-RP125/140YHA2#2 PUHZ-HRP100/125YHA2 PUHZ-HRP100/125YHA2 PUHZ-HRP100/125YHA2R1 PUHZ-SHW112/140YHAR1 PUHZ-SHW112/140YHAR1 PUHZ-SHW112/140YHAR3.UK PUHZ-SHW112/140YHAR3.UK PUHZ-SHW112/140YHAR4.UK PUHZ-SHW112/140YHAR4.UK PUHZ-SHW112/140YHAR5.UK PUHZ-SHW140YHAR5.UK	7	F:	PUHZ-RP100—200YKA2-A PUHZ-P100—140YHA.UK PUHZ-P100—140YHAR1.UK PUHZ-P125/140YHAR2.UK PUHZ-P100—140YHA2.UK PUHZ-P100YHA3.UK PUHZ-P200/250YKA.UK PUHZ-P200/250YKA2.UK PUHZ-P200/250YKA2.UK PUHZ-P200/250YKA3.UK PUHZ-P200/250YKA3.UK PUHZ-P200/250YKA3.UK PUHZ-P200/250YKA3.UK PUHZ-P200/250YKA3.UK PUHZ-P200/250YKA3.UK PUHZ-P200/250YKA3.UK PUHZ-A24/30NHA7 PUZ-A36/42NKA7 PUY-A36/42NKA7 PUHZ-RP71VHA5R2-A PUHZ-RP71VHA5R2-A PUHZ-RP100—140YKA PUHZ-RP100—140YKA	
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	PUHZ-ZRP100—140VKA2.UK PUHZ-ZRP100—140VKA3.UK PUHZ-ZRP125/140VKA3R1.UK PUZ-ZM100—140VKA.UK PUZ-ZM125/140VKAR1.UK PUHZ-RP80NHA PUHZ-RP80NHA2 PUHZ-P100—140VHA.UK PUHZ-P100—140VHA1.UK PUHZ-P100—140VHA2.UK PUHZ-P100—140VHA21.UK PUHZ-P100—140VHA3.UK PUHZ-P100—140VHA3R1.UK			PUH-P71—140YHA1.UK PUH-P71—140YHA#2.UK PUH-P71—140YHAR3.UK PUH-P100—140YHAR3.UK PUH-P100—140YHAR5.UK PUH-P100—140YHAR6.UK PU-P71—140YHA.UK PU-P71—140YHA42.UK PU-P71—140YHA#2.UK PU-P71—140YHAR3.UK PU-P100—140YHAR4.UK PU-P100—140YHAR5.UK PU-P100—140YHAR6.UK	8		PUY-P42/48YKA. TH PUY-P42/48YKA. TH-T PUY-P42/48YKA. TH-T PUY-P42/48YKA. TH-U PUY-P42/48YKA. TH-U PUY-P42YKA. TH-HK PUY-SP42/48YKA. TH PUY-SP36/42/48YKA. TH-T PUY-SP36/42/48YKA. TH-T PUY-SP42/48YKA. TH-D PUY-SP36/42/48YKA. TH-D PUY-SP42/48YKA. TH-D	11
	PUHZ-P100—140VHA3R2.UK PUHZ-P125/140VHA3R3.UK PUHZ-P100—140VHA4.UK PUHZ-P100VHA5.UK PUHZ-BP100—140VHA-A PUHZ-HRP71/100VHA PUHZ-HRP71/100VHA2 PUHZ-HRP71/100VHA2R1 PUHZ-HRP100VHA2R2 PUHZ-SHW80/112VHA PUHZ-SHW112VHAR2.UK PUHZ-SHW112VHAR3.UK PUHZ-SHW112VHAR4.UK						PUY-SP36/42/48YKA. TH-N PUY-P45/60NKA.TH-SA PUY-P45/60VKA2.TH-U PUY-P45/60VKA2.TH-QA PUY-P125VKA.TH-SG PUHZ-P100—140VKA.TH PUHZ-P100—140VKA.TH-ET PUHZ-P100—140VKA.TH-ET PUHZ-P100—140YKA.TH PUHZ-P100—140YKA.TH-ET PUHZ-P100—140YKA.TH PUHZ-SP125/140VKA.TH PUHZ-SP100—140YKA.TH	