# **INSTALLATION MANUAL FOR A-M CONVERTER**

# PAC-SJ96MA-E

## 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	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

to injury or

• 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 wiring must be securely done by using proper cable. The wires The installation must be done by dealer or qualified person

	he customers do the installation by themselves and it is not rfectly installed it can cause water leak, electric shock, or fire.		should be connected to the terminals not to have external force of the cable.		
	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.		Faulty connections can cause heat or fire. The terminal cover (panel) of the unit must be installed securely. Faulty installation can cause fire or electric shock by dust or water.		
	Vever try any modification. For repair, ask your dealer. If the machine is not modified or repaired completely, it can cause water leak, electric shock, or fire.		The electric installation must be done by qualified person in accordance with this installation manual. Use the separate circuit only for this machine and use rated voltage and circuit breaker.		
			If the electric circuit power is not sufficient or the wiring is not properly done, it can cause electric shock or fire.		
	<ul> <li>If the installation is not perfectly done, it can cause water leak, electric shock, or fire. Ask your dealer or qualified person.</li> </ul>				

## 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			
Use standard wires which meet current capacity.	telephone ground wire. 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

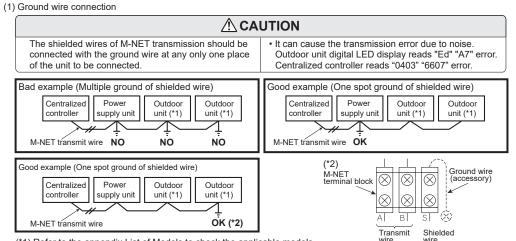
Turn the power on 12 hours or more before operation.	Never operate the switches with your hand wet.				
• If you start operation as soon as the power on, it can cause failure.	It can cause electric shock.				
Never turn the power off during season.	Never touch refrigerant pipes while the machine running.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

1.Parts List							
No.	Description	Figure	Q'ty	No.	Description	Figure	Q'ty
0	M-NET board (with insulation sheets and supports)		1	7	Lead wire (5 wires)	length: 280mm (11 inch)	1
2	Plate (For mounting M-NET board)		1	8	Lead wire (3 wires)	length: 300mm (12 inch)	1
3	Screw (M4×8)	B	2	9	Lead wire (2 wires)	length: 280mm (11 inch)	1
4	Terminal block (M-NET)	$ \begin{array}{ c c c c c } & \otimes & \otimes & \otimes \\ & \otimes & \otimes & \otimes \\ & & & \otimes & \otimes$	1	10	Ground wire and screw (M4×8)	00	1 each
5	Terminal screw (M3×20)	and the second second	1	1	Fastener	@Duuuuuuuuum	2
6	Label	CENTRALIZED CONTROL(M-NET) A B S B G 7 9 H 7 4 4 H 0 2	1				

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

# Attention for M-NET connection

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

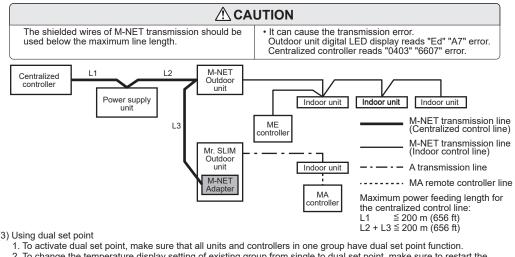


(\*1) Refer to the appendix List of Models to check the applicable models.

(\*2) In case that the outdoor unit is grounded, connect the ground wire supplied as accessory to the S terminal (secondary) of M-NET terminal block and M-NET ground terminal inside of electrical parts box with using screws supplied.

Note: If the shield and earth are grounded in two or more locations, electrical circuit is generated through them, and a potential difference is created because of the impedance difference between or among the ground locations. This may cause noise in the shield. Ground at only one point, then no circuit is created and no noise gets in.

(2) Length of M-NET transmission line



(3) Using dual set point

2. To change the temperature display setting of existing group from single to dual set point, make sure to restart the

- whole system related.
- 3. When ME remote controller is included in same group in the case of 2, make sure to initialize\* ME remote controller before use

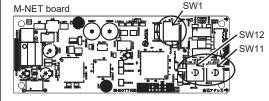
(\*Refer to the ME remote controller installation manual. <Service Menu.>)

## 2. Switch setting

1

## Before installation

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



(1) M-NET address setting

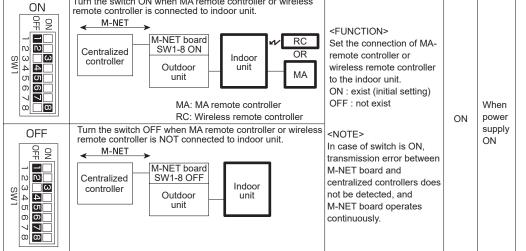
The setting should be done by rotary switches SW11 and SW12 on M-NET board. (Factory settings are all Zero) Make sure to set M-NET address within the range of 01 to 50.

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

	чслаттр	Cr				
	M-NET	address No.	1	2		50
	Switch setting	SW 11 (Ones digit)				
		SW 12 (Tens digit)				

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

,					
SW1-8 Selection	Function	Function details	Initial Effe setting tim	ctive iing	
	Turn the switch ON when MA remote controller or wireless				



Note: SW1-3 is always ON

2

