BH79J202H01

INSTALLATION MANUAL FOR A-M CONVERTER

PAC-IF01MNT-E

For models in which this component is used, see the separate sheet.								
•Before starting insta •The following precati •The safety precauti WARNING CAUTION •After installation, m maintenance to you Tell your customers to other person put	Allation, read the "Safety Precautions" described be nutions must be observed as it describes the serious ons are described with the degree of danger. When you handle wrong, it can lead to death or s When you handle wrong, it can lead to injury or da ake test operation and confirm that it works properly or customers. to keep this installation manual together with oper this installation manual and operation manual with	Iow. s matters for safety. erious injury. amage to building and furniture. y, and explain the safety precautions, operation method, and ration manual with them, and when they give or sell this machine it.						
WARNING								
The installation must be done by dealer or qualified person. •If the customers do 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 not modified or repaired completely, 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.		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. •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. 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.						
Before elec	tric wiring							
	<u>∧</u> CAI	JTION						
Install a circuit brea •Without a circuit brea •Without a circuit brea Use standard wires •Otherwise, it can ca Wires must not hav •It can cause snippin	aker depending upon the location. eaker, it can cause electric shock. s which meet current capacity. ause short-circuit, heat, or fire. re tension. ng, heat, or fire.	Put ground wire. •Never ground to gas pipe, water pipe, lightning conductor, or telephone ground wire. Faulty 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							

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

Attention for M-NET connection

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



(*3) 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.

Transmit

wire

Shielded wire

1.Parts List

No.	Description	Figure	Q'ty	Applicabl	e models B
1	M-NET Board		1	0	0
2	Fixture		2	0	
3	Screw (M3×10)	and the second s	2	0	
4	Terminal block (M-NET)		1	0	0
5	Terminal screw (M4×25)		1	0	0
6	Label	CENTRALIZED CONTROL M1 M2 S BG79H744H03	1	0	0
1	Lead wire-A (4 wires)	Color:Red Color:White Length:380mm(15 in)	1	0	0
8	Lead wire-B (2 wires)	Length:530mm(21 in)	1	0	0
9	Ground wire and screw (M4×8)	Length:200mm(8 in)	1each	0	0
10	Fastener	00000000000000000000000000000000000000	2	0	0

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

electric box with using screws supplied.

of M-NET terminal block and M-NET Ground terminal inside of

2. Wiring method for M-NET

Caution for wiring

- ① Never supply voltage 208V-230VAC to the terminals for M-NET transmission. If the voltage is supplied, it can break the electronic parts on the M-NET board.
- ② Use the shielded cable (CVVS, CPEVS, MVVS) of 1.25mm² (AWG 16) with 2 wires (polarity is not a concern) for the transmission 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.
- ③ The power consumption coefficient *1 of the M-NET board is "1".
 - *1 "Power consumption coefficient" is a coefficient to calculate the relative power consumption of the devices that receive power through the M-NET transmission cable.



MA : MA remote controller RC :Wireless remote controller

^{*} Ex)MXZ-4E83VA indoor units maximum connection.

3.Switch setting

Before installation

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

(1) M-NET head 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.

(2) Indoor unit connection switch setting

Set each indoor unit to ON or OFF with SW1.

♦M-NET address setting

Starting with the M-NET head address set with SW11 and SW12 (Ex 01),

the M-NET address is automatically allocated in numerical order to each indoor unit which is connected (Ex 02, 03, 04, 05, 06).



M-NET address should be set within the range of 01 to 50.

For instance, when the head address set with SW11 and SW12 is [47] and you are to connect 5 indoor units A, B, C, D, E, the addresses for each indoor unit are A[47], B[48], C[49], D[50] and E[51]. Since the number for E exceeds 50, this setting is not available.



3.Switch setting

(3) SW1-8 setting



(4) Group setting prohibited

Group setting for more than one outdoor unit is not available. (Each outdoor unit is one group.)



4. Installation procedure [Applicable model:Group A]



 $[\ast\!2]$ Pass BLead wire-B through the notch in the top of the terminal block metal plate.

4.Installation procedure [Applicable model:Group B]



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