

Panasonic CZ-NS4P Advanced Functions PCB Board Instruction Manual

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F616881
Optional PCB Installation Manual

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SAFETY PRECAUTIONS:

- Read the 'cillovang "SAFETY PRECAUTIONS: carefully oefcre installaton
 - Elactical work must be installed py a heensed cloctnaan
 - The caubon tems stated here must be followed because these mrcortart covierts are related to safely.
- The meaning of each indication used :s as below. Incorrect installation due to ignonng of the instruction will cause harm of damage, and tne senousnass 's ciassiied by tne following indicauons.









 WARNING	This indication shows the possibility of causing death or serious injury.
 CAUTION	This indication shows the possibility of causing injury or damage to properties

The items to be followed are classified by the symbols:

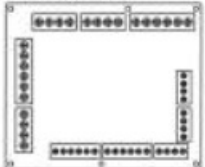





	Symbol with white background denotes item that is PROHIBITED from doing.
 	Symbol with dark background denotes item that must be carried out.

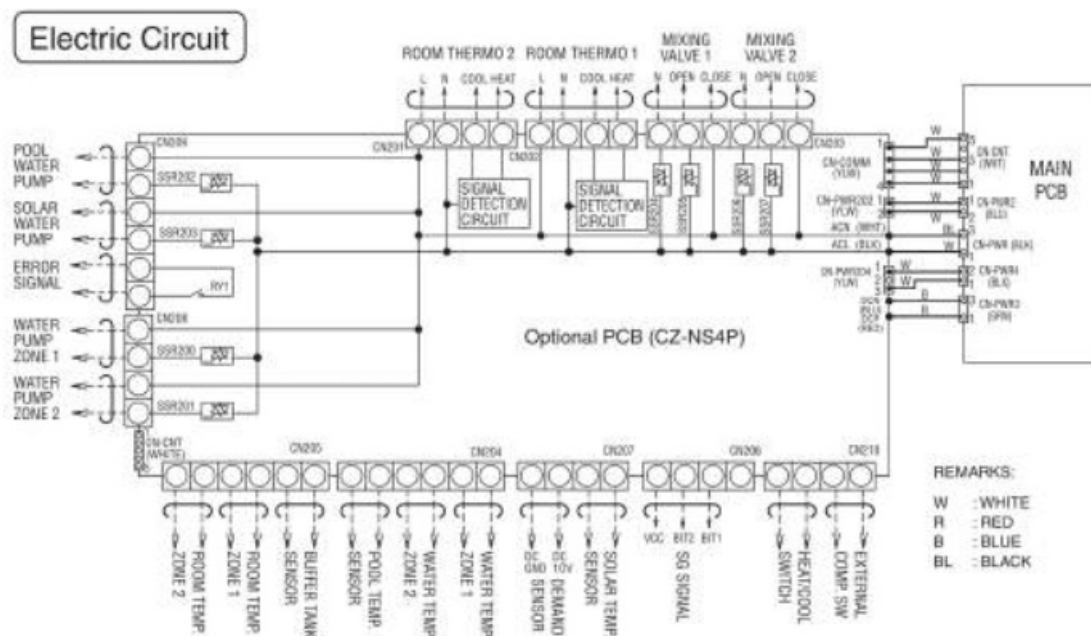
- Carry out test run to confirm that no abnormality occurs after the installation. Then, explain to user the operation, care and maintenance as stated in instructions. Please remind the customer to keep the operating instructions for future reference.

WARNING

	1) Be sure to turn off all power supply before installing and connecting the Optional PCB. Otherwise, it will cause electrical shock.
	2) Engage authorized dealer or specialist for installation. Defective installation will cause electrical shock or fire.
	3) Strictly follow this installation instruction when doing installation work. Defective installation will cause electrical shock or fire.
	4) Use the attached accessories parts and specified parts for installation. Otherwise, it will cause electrical shock or fire.
	5) For electrical work, follow local national wiring standard, regulation and this installation instruction. Otherwise, it will cause electrical shock or fire.
	6) Wire routing must be properly arranged so that control board cover is fixed properly. If control board cover is not fixed properly, it will cause electrical shock or fire.
	7) Do not modify the length of Optional PCB lead wires. Otherwise, it will cause abnormal operation, electrical shock or fire.
	8) Do not touch the Optional PCB once the power supply is turned on. Accidental contact with the Optional PCB will cause electrical shock.

Attached Accessory

No.	Accessory Part	Qty.	No.	Accessory Part	Qty.
1	Optional PCB (CZ-NS4P) 	1	4	Holder 	5
			5	Holder 	5
2	Spacer 	6	6	Screw 	10
3	Spacer 	16			



Water Circuit And System Installation

- Functions below are available through the connection of the Optional PCB (CZ-NS4P) to the Main PCB.
 - 2-zone control
 - Pool
 - Buffer tank
 - Solar
 - External error signal output
 - Demand control
 - SG ready
 - Stop compressor by external compressor switch
- Switch heating and cooling by external Heat-Cool switch
- Please refer to the Indoor Unit installation manual for water circuit installation details and system setup details.

(Recommended Specifications of Field Supply Accessories)

i	Room thermostat	Wired	AkW-A2W-RTWIRED	AC230V	—
		Wireless	PAWA2WRIWIRELESS		
ii	Mixing valve	—	167032	AC230V	Cabal
II	Pump	—	Yonos 2543	AC230V	Was
Iv	Butter tank sense		PAW-A7W-TS80	—	—
v	Zone water sensor	—	P4W-A2W-TSHC	—	—
vi	Zone room sensor		PAWA2WTSRT		
	Solar sensor	.	PAW-A2WISSO	—	—

Optional PCB Installation

Before installing the Optional PCB, steps below need to be carried out to remove the exterior chassis.

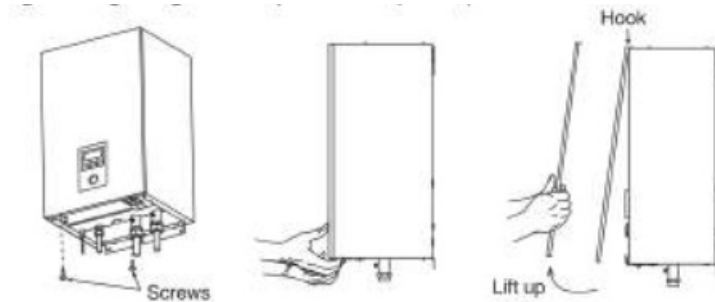
⚠ WARNING

Be sure to switch off all the power supply (Le. indoor power supply, heater power supply, boiler tank power supply) before performing the steps below to avoid electrical shocks, etc.

Step 1: Removal of the Cabinet Front Plate

Please follow the steps below to take out front plate. Before removing the front plate of indoor unit, always switch off all power supply (i.e. Indoor unit power supply, heater power supply and Tank Unit power supply)

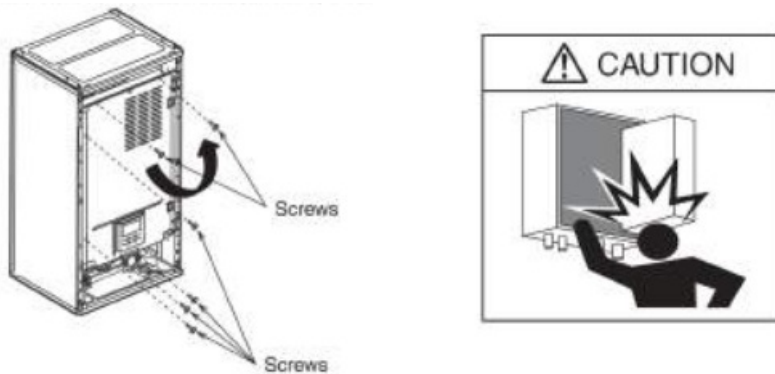
1. Remove the 2 mounting screws which located at bottom of the front plate.
2. Gently pull the lower section of the front plate towards you to remove the front plate from left and right hooks.
3. Hold the left edge and right edge of front plate to lift up front plate from hooks.



Step 2: Open the Control Board Cover

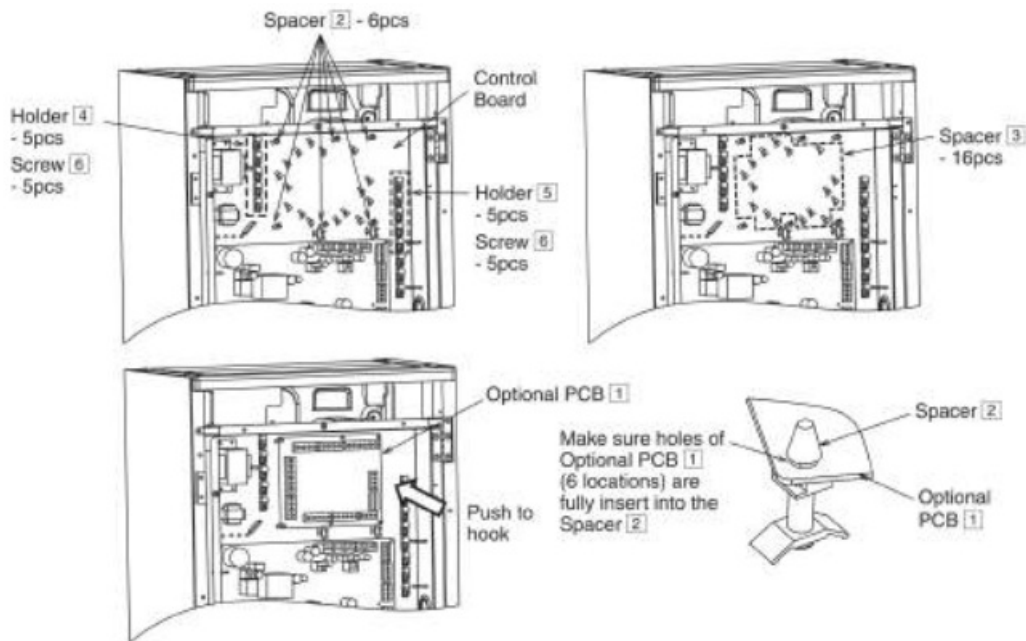
Please follow the steps below to open control board cover. Before opening the control board cover of indoor unit, always switch off all power supply (i.e. indoor unit power supply, heater power supply and Tank Unit power supply).

1. Remove the 6 mounting screws at the control board cover.
2. Swing the control board cover to the right hand side.



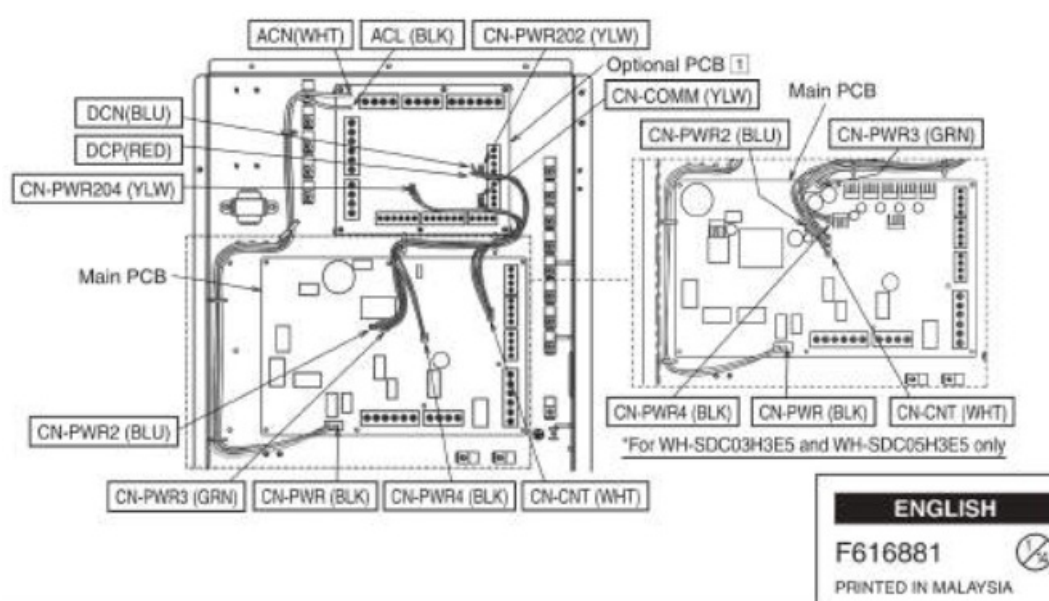
Step 3: Installing the Optional PCB Lr. onto the Control Board

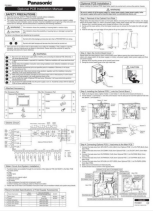
1. Refer to the figures below, tighten Holder [4° and Holder [S: onto the control board with Screw (¢).
2. Fix the Spacer 2! and Spacer :3 onto the control board. Then fix and push to hook the Optional PCB onto the Spacer [2' and Spacer 3.



Step 4: Connecting Optional PCB [1] lead wires to the Main PCB

1. Connect the lead wires from ACN (WHT) & ACL (BLK) (from Optional PCB 11) to CN-PWR (BLK) (from Main PCB).
2. Connect the lead wires from CN-COMM (YLW) (from Optional PCB /) to CN-CNT (WHT) (from Main PCB).
3. Connect the lead wires from CN-PWR202 (YLW) (from Optional PCB [1"]) to CN-PWR2 (BLU) (from Main PCB).
4. Connect the lead wires from CN-PWR204 (YLW) (from Optional PCS (1) to CN-PWR4 (BLK) (from Main PCB).
5. Connect the lead wires from OCN (BLU) & DCP (RED) (from Optional PCB [1} to CN-PWR3 (GRIN) (from Main PCB).
6. Make sure ail connections are fixed securely.
7. Guide all lead wires as showm in the figures below.





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CZ-NS4P, Advanced Functions PCB Board, Functions PCB Board, PCB Board, CZ-NS4P, Board