Panasonic AHU Kit, 10-28 kW connected to PACi outdoor unit
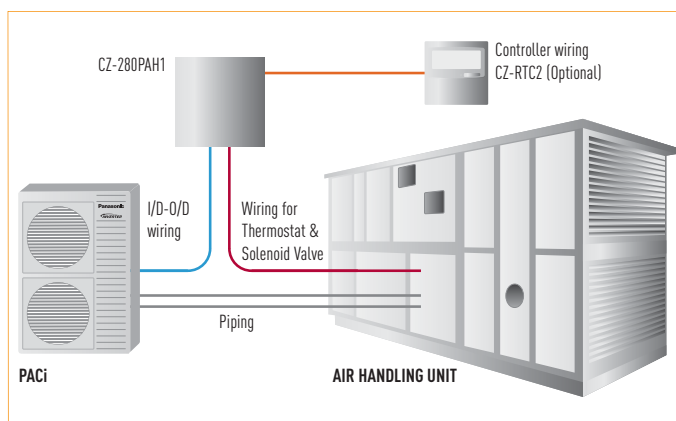
PCB, Transformer, Thermostat x 3 pcs, Terminal Base and Electrical Component Box.

CZ-280PAH1

Controller wiring
CZ-RTC2 (Optional)

I/D-O/D wiring

Wiring for Thermostat & Solenoid Valve

Piping

PACi

AIR HANDLING UNIT

Optional parts: Following functions are available by using different type of control accessories:

CZ-RTC2 Wired remote controller
· Operation-ON/OFF
· Mode select
· Temperature setting

* Fan operation signal can be taken from the PCB.

CZ-T10 terminal
· Input signal= Operation ON/OFF
· Remote controller prohibition
· Output signal= Operating-ON status
· Alarm output (by DC12 V)

PAW-OCT, DC12 V outlet. OPTION terminal
· Output signal= Cool / Heat/Fan status
· Defrost
· Thermostat-ON

CZ-CAPBC2 Mini seri-para I/O unit
· Temperature setting by 0-10 V or 0-140   input signal
· Room (inlet air) temp outlet by 4-20 mA
· Mode select or/and ON/OFF control
· Fan operation control
· Operation status output/ Alarm output

COMBINATION TABLE FOR PACi SINGLE OUTDOOR UNIT

Combination shown in below table is available for PACi single system

Power	Size	PACi Standard	PACi Elite	AHU kit
Single phase	5.0 kW		U-50PE1E5	
	6.0 kW	U-60PEY1E5	U-60PE1E5	
	7.1 kW	U-71PEY1E5	U-71PE1E5	
	10.0 kW	U-100PEY1E5	U-100PE1E5	
	12.5 kW	U-125PEY1E5	U-125PE1E5	CZ-280PAH1 (Common use for all outdoor units. Only 1 by 1 connection is allowed.)
	14.0 kW		U-140PE1E5	
Three phase	7.1 kW		U-71PE1E8	
	10.0 kW	U-100PEY1E8	U-100PE1E8	
	12.5 kW	U-125PEY1E8	U-125PE1E8	
	14.0 kW	U-140PEY1E8	U-140PE1E8	
	25.0 kW		U-200PE1E8	
	20.0 kW		U-250PE1E8	

* Additional notice/instruction for system design, installation work will be defined for PAC-i connection.

Individual Control Systems

Timer remote controller (CZ-RTC2)

Dimensions
H 120 x W 120 x D 16 mm

Basic remote controller ON/OFF
· Operation mode changeover (Cooling, Heating, Dry, Auto, Fan).
· Temperature setting (Cooling/Dry: 18-30 deg Heating: 16-30 deg).
· Fan speed setting H/ M/ L and Auto.
· Air flow direction adjustment.

Time Function 24 hours real time clock
· Day of the week indicator.

Weekly Programme Function
· A maximum of 6 actions can be programmed for each day.

Outing Function
· This function can prevent the room temperature from dropping or rising when the occupants are out for a long time.

Sleeping Function
· This function controls the room temperature for comfortable sleeping.

Max. 8 indoor units can be controlled from one remote controller

Remote control by main remote controller and sub controller is possible
Max. 2 remote controllers (main remote controller and sub controller) can be installed for one indoor unit.

Possible to connect to the outdoor unit using PAW-MRC cable for servicing purposes

Wireless remote controller

Y1 TYPE
CZ-RWSY2

U1 TYPE
CZ-RWSU2

L1 TYPE
CZ-RWSL2

K1 TYPE
CZ-RWSK2

D1 AND T1 TYPE
CZ-RWST2

WIRELESS REMOTE CONTROL FOR ALL INDOOR UNITS
CZ-RWSC2

Easy installation for the 4-way cassette type simply by replacing the corner part

24 hour timer function

Remote control by main remote controller and sub controller is possible
· Max. 2 remote controllers (main remote controller and sub controller) can be installed for one indoor unit.

When CZ-RWSC2 is used, wireless control becomes possible for all indoor units
· When a separate receiver is set up in a different room, control from that room also becomes possible.
· Automatic operation by means of the emergency operation button is possible even when the remote controller has been lost or the batteries have been exhausted.

Operation of separate energy recovery ventilators
When commercial ventilation fans or heat-exchange ventilation fans have been installed, they can be operated with this remote control (interlocked operation with the indoor unit or independent ventilation ON/OFF).