APPENDIX D INSTALLATION INSTRUCTIONS

CZ-RD515U

(852-6-4190-592-00-0)

INSTALLATION INSTRUCTIONS
Wired Remote Controller

Panasonic®

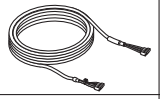
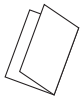
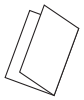
IMPORTANT

- In order to install this wired remote controller onto a wall-mounted model, the connection kit (CZ-RC515U or CZ-RC515UA), which must be purchased separately, is required.
- Once the wired remote controller is connected, the wireless remote controller cannot be used.

■ Parts supplied with the remote controller

See Table 1.

Table 1

Parts	Figure	Q'ty	Parts	Figure	Q'ty
Wired remote controller		1	Wire harness	26.2 ft. (8m) 	1
Machine screws	5/32× 15/16" (4×25mm)	2	Instruction manual		1
Tapping screws	5/32× 15/16" (4×25mm)	2	Installation Instructions		1
Spacers		2			

■ Remote controller installation guidelines

Installation location

- Mount the remote controller 3.3 to 4.9 ft. (1 to 1.5 meters) off the floor where it can sense the average temperature of the room.
- Do not mount the remote controller in a place exposed to direct sunlight or where it is exposed to outside air such as near a window.
- Do not mount the remote controller behind a curtain or other object so that it is separated from the air circulation of the room.
- Mount the remote controller inside the room being air conditioned.

Switching the room temperature sensor

Room temperature sensors are separately incorporated in both the indoor unit and the remote controller. Either sensor can be used to sense the room temperature. The indoor unit sensor is usually used.

If you wish the remote controller to sense the room temperature, press the SENSOR button with a ballpoint pen or tool with a small tip. (Refer to Fig. 9 on page 4 to locate the SENSOR button.)

■ How to install the remote controller

IMPORTANT

- The remote controller is set to “Cool/Dry/Heat model” at the time of shipment from the factory. If the purchased air conditioner is a COOL/DRY model, follow the instructions on the label and change the switch on the reverse side of the remote controller unit to “Cool/Dry model”. (Fig. 1)
- The remote controller is also set to “Single” at the time of shipment from the factory. For multiple use, set the switch on the reverse side of the remote controller unit to “Multi”. (Fig. 1)
- After all work is completed, if any switches have been changed, then be sure to press the ACL (Reset) button. (Refer to Fig. 9 on page 4 to locate the ACL (Reset) button.)

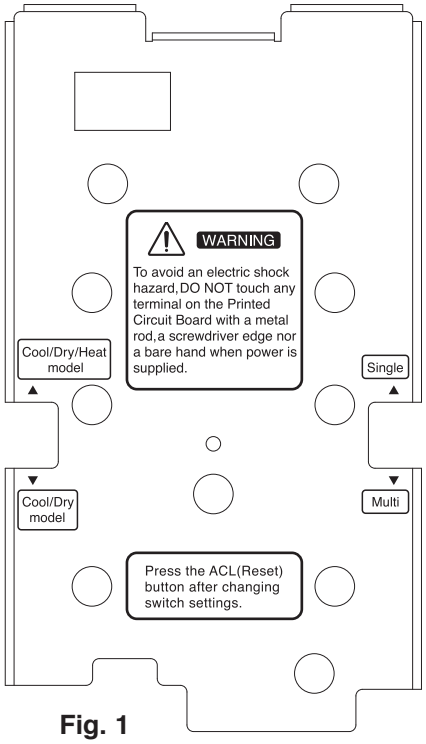


Fig. 1

A. Installing with in-wall junction box

(1) Install the junction box (locally purchased) into the wall. (Figs. 2-a and 3)

(2) Pass the wire harness through the junction box and conduit. (Fig. 3)

(3) Insert a flathead screwdriver into the 5 tab locations and disconnect the back plate of the remote controller by lifting up slightly. (Fig. 2-b)
The tabs are thin; take care not to chip them.

(4) Pass the wire harness connector through the cord opening on the back plate of the remote controller.
Use nippers or a similar tool to cut out the slots for the remote controller back plate screws. Insert the spacers and use the machine screws to install the remote controller back plate. (Fig. 3)

(5) Insert the connector into the PCB of the remote controller unit, and wrap the wire harness around the hook. (Fig. 4)

(6) Store the excess wire harness inside the junction box, then hook the remote controller unit onto the top of the back plate and install the remote controller unit.

(7) To remove the remote controller unit after it has been installed, insert a flathead screwdriver into the slot on the bottom of the case and turn it. (Fig. 5)

B. Installing directly onto the wall

(1) Insert a flathead screwdriver into the 5 tab locations and disconnect the back plate of the remote controller by lifting up slightly. (Fig. 2-b)
The tabs are thin; take care not to chip them.

(2) Use tapping screws to directly fasten the remote controller back plate onto the wall. (Fig. 6)

(3) Insert the connector into the PCB of the remote controller unit, and wrap the wire harness around the hook. (Fig. 4)

(4) Use nippers or a similar tool to cut out the slot on the top of the remote controller unit. Pass the wire harness through the slot, then hook the remote controller unit onto the top of the back plate and install the remote controller unit.

(5) In order to conceal the exposed wiring, use a wire cover (locally purchased) or similar means.

NOTE

- When installing the remote controller back plate, be sure that it is flat and straight. Do not over-tighten the installation screws.
- Install the remote controller away from all sources of electrical noise.
- Install a noise filter or take other appropriate action if electrical noise affects the power supply circuit of the unit.

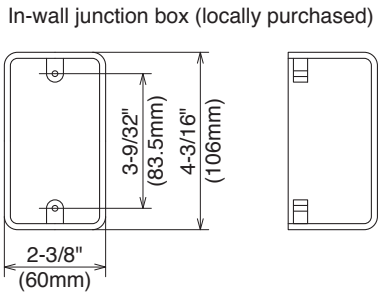


Fig. 2-a

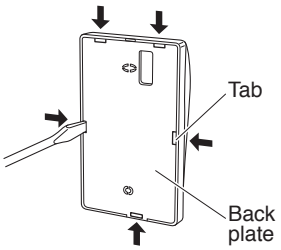


Fig. 2-b

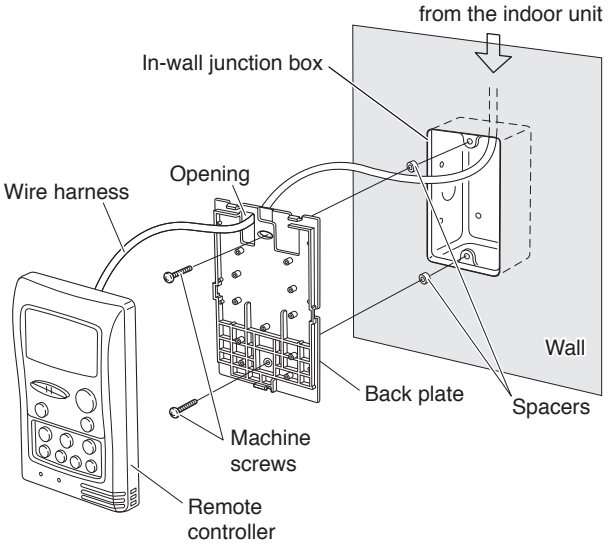


Fig. 3

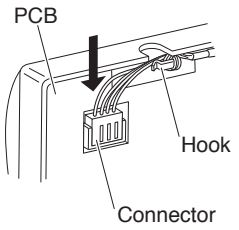


Fig. 4

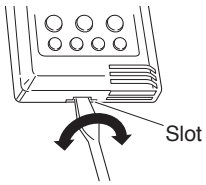


Fig. 5

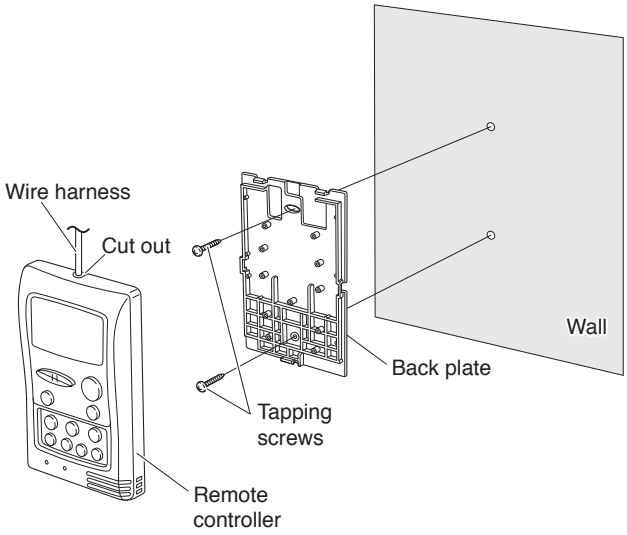


Fig. 6

■ How to wire the remote controller

(1) Turn OFF the power and remove the ceiling panel air-intake grille. (Refer to **3-6-1 Before Installing the Ceiling Panel** in the Installation Instructions supplied with the indoor unit.)

(2) Remove the 3 power box cover screws and 2 control box cover screws, then remove both covers. At this time, take care not to drop the covers. (Fig. 7)

(3) Disconnect the 7P (IND) terminal and 4P (RC) terminal of the 7P IND and 4P RC wiring connectors and the 5P terminal of the 5P FLAP wiring connector from the control box PCB connectors (IND, RC, FLAP). Disconnect each wiring connector from the clamp that fastens it. (Fig. 7)

(4) Remove the ceiling panel. (To remove the ceiling panel, follow the steps for **3-6 How to Install the Ceiling Panel** in the reverse order. Refer to the Installation Instructions supplied with the indoor unit.)

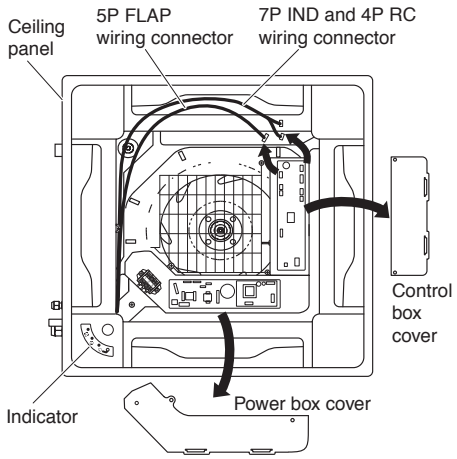


Fig. 7

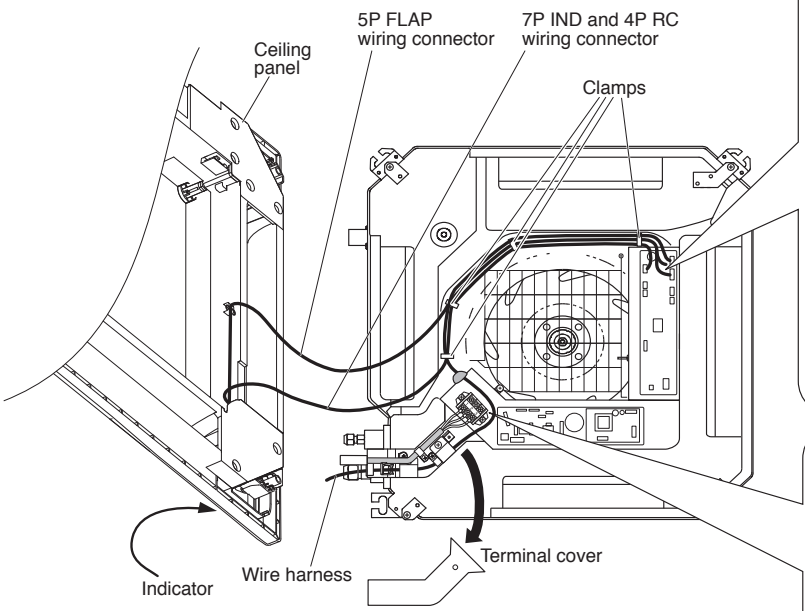
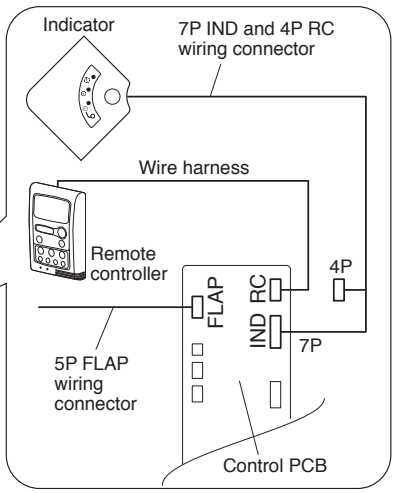


Fig. 8

Fig. 8-a



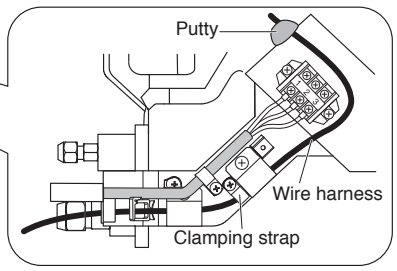


Fig. 8-b

(5) Remove the terminal cover screws, then remove the cover. At this time, take care not to drop the cover. (Fig. 8)

(6) Pull in the wire harness from the remote controller as shown in Fig. 8-b.
• Remove the putty before wiring. After wiring, make sure to restore the putty.

(7) Insert the wire harness 4P terminal into the control box PCB connector (RC). (Fig. 8-a)

(8) Install the terminal cover. Then install the ceiling panel. (Refer to **3-6 How to Install the Ceiling Panel** in the Installation Instructions supplied with the indoor unit.)

(9) Insert only the 7P (IND) terminal of the 7P IND and 4P RC wiring connector into the connector (IND) on the control box PCB. Store the 4P terminal inside the control box. (Fig. 8-a)

(10) Next, insert the 5P terminal of the 5P FLAP wiring connector into the connector (FLAP) on the control box PCB. (Fig. 8-a)

(11) When the connections are completed, fasten the wire harness and each wiring connector with the clamps.

(12) Install the power box cover and control box cover.

(13) Install the air-intake grille. (Refer to **3-6 How to Install the Ceiling Panel** in the Installation Instructions supplied with the indoor unit.)

■ How to Test Run the Air Conditioner

After turning on the power of the air conditioner, use the remote controller and follow the steps below to conduct the test run.

(1) Set the remote controller in Test Run mode. (Fig. 9)

a) Press and hold the NIGHT SETBACK button and the 1HR. TIMER button.

b) Then press and hold the ACL (Reset) button with a pointed object such as the tip of a pen. After 5 seconds, release the ACL button first.

c) Then release the NIGHT SETBACK and 1HR. TIMER buttons.

d) ❄ appears and "oP-1" blinking in the remote controller clock display area. (Fig. 10)

(2) Start Cooling mode test run by pressing the ON/OFF operation button of the remote controller. (Fig. 9)

- This starts the fan producing uncooled forced air with the 3 indicator lamps (OPERATION lamp, TIMER lamp, and HIGH POWER lamp) on the main unit blinking. (Fig. 11)
- After 3 minutes, the system shifts into cooling operation, and cool air will start to be felt. Cooling mode test run is unaffected by the room temperature.

(3) Press the ON/OFF operation button of the remote controller again to stop the test run. (Fig. 9)

(4) Finally press the ACL (Reset) button of the remote controller to release it from Test Run mode to return to normal mode. (Fig. 9)

- "❄" and "oP-1" will disappear from the remote controller clock display area.

NOTE

Troubleshooting:
In the event that the green OPERATION lamp is blinking upon powering up the system, an error condition exists. In this case, refer to the self-diagnostics procedure which can be seen by opening the air-intake grille.

IMPORTANT

After the test run is completed, be sure to press the ACL (Reset) button to return to normal mode. The air conditioner will not operate correctly if this is not done.

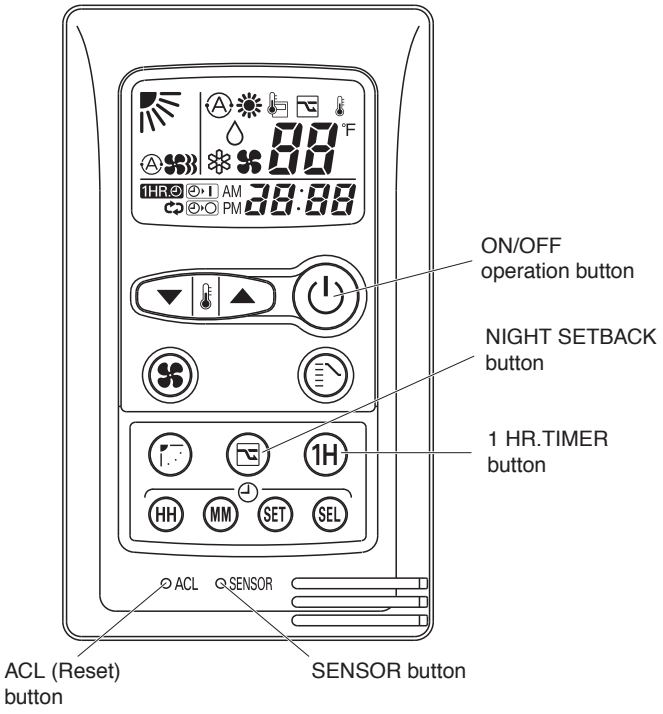


Fig. 9

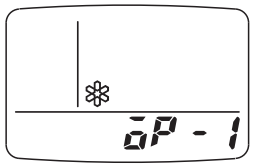


Fig. 10

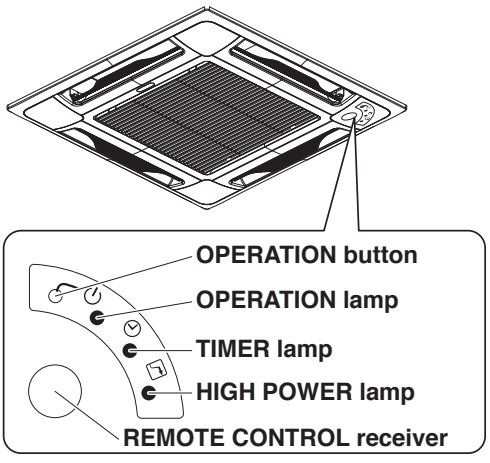


Fig. 11

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