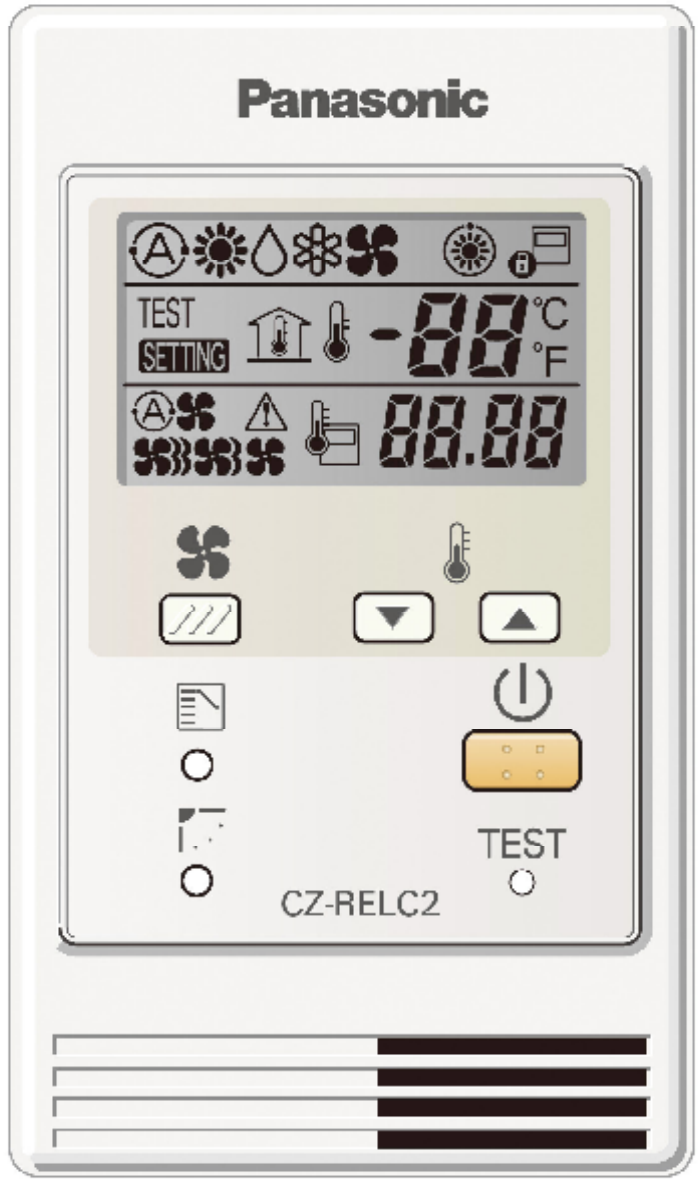

Panasonic
TEST
SETTING
-88
°C
°F
88.88
TEST
CZ-RELC2

4. Simplified Remote Controller

Simplified Remote Controller / CZ-RE2C2

■ Important Safety Instructions

Before using the system, be sure to read these "Important Safety Instructions".
After reading this manual, save it in a convenient place.

⚠ Warning

*** Installation Precautions**

1. Do not install by yourself.
   Installation should always be performed by your dealer or a professional service provider.
   Electric shock or fire may result if an inexperienced person performs any installation or wiring procedures incorrectly.
2. Use only specified air conditioners.
   Always use only air conditions specified by the dealer.

*** Moving and Repair Precautions**

1. Do not repair.
   Never repair the system by yourself.
2. Contact your dealer before moving the system.
   Contact your dealer or a professional service provider about moving and reinstalling the system.
   Electric shock or fire may result if an inexperienced person performs any installation procedures incorrectly.

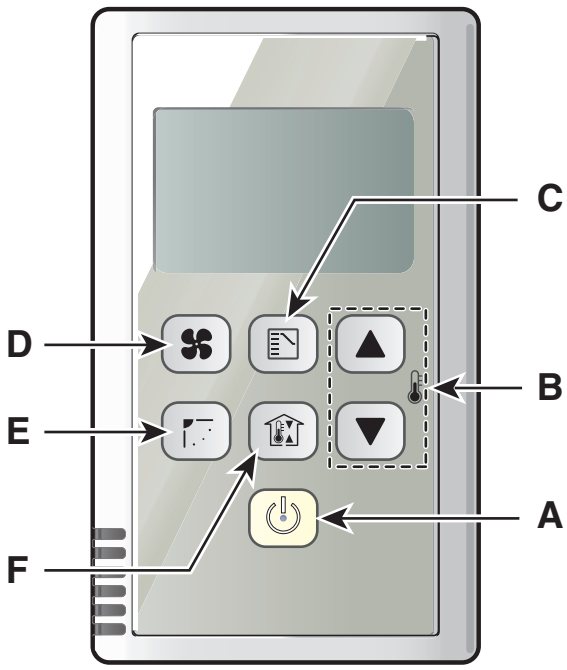
*** Precautions for Use**

1. Do not touch switches with wet hands.
   Electric shock and damage to the system can result.
2. Protect the remote controller from water.
   Damage to the system can result.
3. Stop the system and turn the power off if you sense unusual smells or other irregularities.
   Continuing operation when the system is out of order can result in electric shock, fire, and damage to the system. Contact your dealer.
4. Do not turn the air conditioner on and off from the power mains switch.
   Use the ON/OFF operation button.
5. Do not stick anything into the air outlet of the air conditioner.
   Doing so is dangerous because the fan is rotating at high speed.
6. Do not let children play with the air conditioner.
7. Do not cool or heat the room too much if babies or invalids are present.
8. Do not wipe the remote controller with benzine, thinner, or chemical cloth.

4. Simplified Remote Controller

■ Names and Operations

Operation Section



CZ-RE2C2

A. **(Start/Stop)button**
Pushing this button starts, and pushing again stops the unit.

B. **/** **( ) (Temperature setting) buttons**
Changing the temperature setting.

C. **(Mode Select) button**
Pushing this button to select an operation mode. (AUTO Ⓐ/HEAT ☀/DRY 💧/COOL ❄/ FAN).

D. **(Fan speed) button**
Changing the fan speed.
(Ⓐ / / /)

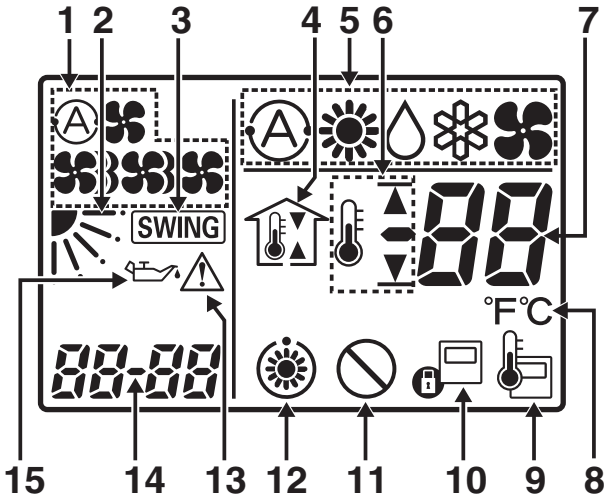
E. **(Swing/Air direction) button*1**
Use this button to set the auto swing or air direction to a specific angle.

*1 Do not move the flap (vertical airflow adjustment board) with your hand.
The flap is automatically directed down when the unit is stopped.
The flap is directed up during the HEAT standby.
The flap starts swinging after the HEAT standby is cancelled, although the AUTO flap indication on the remote control unit is displayed during the HEAT standby.

F. **(Outing function) button**
(Outing Function)

4. Simplified Remote Controller

Display Section



1. **(Fan mode select) indication**
   The selected fan mode is displayed.
2. **(Flap position) indication**
   Indicates the flap position.
3. **(Swing) indication**
   Appears while the flap swings.
4. **(Outing) indication**
   (Outing Function)
   Appears when the outing function is set.
5. **Operation Mode indication**
   Displays the selected operation mode. (AUTO /HEAT /DRY /COOL / FAN).
6. **Upper and lower limit indication of the outing function**
   : Indicates the upper limit of the temperature.
   : Indicates the lower limit of the temperature.
7. **Temperature indication**
   Indicates the set temperature.
8. **°F / °C (Temperature unit) indication**
9. **(Remote control sensor) indication**
   Appears when the remote control sensor is used.
10. **(Centralized control) indication**
    Appears when operated in centralized control. If the remote control operation is not permitted to the remote unit, when the (Start/Stop) button, (Mode select) button, (Fan speed) button, (Swing/Air direction) button or / ( ) (Temperature setting) buttons are pressed, flashes and rejects the change.
11. **(Disabled feature) indication**
    Displayed if the selected feature was disabled during installation.
12. **(Heating standby mode) indication**
    appears when the fan of the indoor unit is stopped or in low fan speed.
13. **(Caution) indication**
    Appears when the protective device is activated or when an abnormality occurs.
14. **Alarm indication**
    This displays alarm messages when an error occurs.
15. **(Oil) indication**
    Appears when the engine oil needs to be changed. (Appears when the gas heat pump air conditioner is used.)

4. Simplified Remote Controller

■ Outing Function

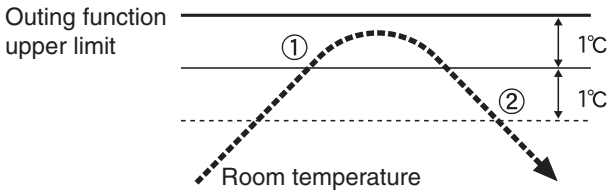
Outing function is a function that prevents the room temperature from increasing too much (or decreasing too much) when no one is in the room. An air conditioner works automatically if this function is set effective.

General Performance of the Outing Function

COOL / DRY

① The air conditioner starts operation when the room temperature increases up to –1°C of the upper limit.

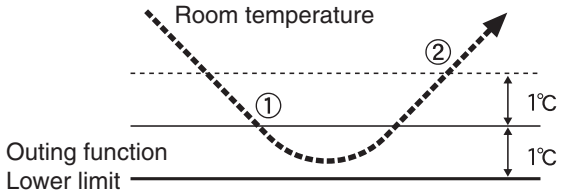
② The air conditioner stops operation when the room temperature decreases up to –2°C of the upper limit.



HEAT

① The air conditioner starts operation when the room temperature decreases up to +1°C of the lower limit.

② The air conditioner stops operation when the room temperature increases up to +2°C of the lower limit.



[Precautions]

- The outing control only starts/stops the air conditioner.
  It does not change the operation mode/temperature setting.
  Therefore, the operation mode/temperature needs to be set beforehand so that the outing function turns on the air conditioner with your desired operation mode/ temperature setting.
- If the room temperature rapidly changes, the room temperature may get over the upper or lower limit when the outing function is activated.
- The outing function is invalid during FAN/AUTO operation mode.
- The air conditioner's stop order (stated in ② /above) is valid only when the outing function is operated.
  If operated using other remote control units (or a centralized control device such as a system control), the outing function will not stop air conditioner operation.

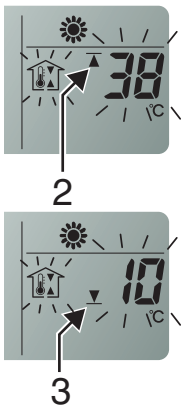
● Setting the Outing Function

1. Press and hold [🏠] for more than 4 seconds to display the upper limit temperature setting screen.

[🏠], [▲] and the upper limit temperature start flashing.
(The default value of the upper limit temperature is 38 °C.)

2. Press [▲] / [▼] to select the upper limit temperature, and press [🏠] to fix the value.
The lower limit temperature setting screen is displayed.

3. Press [▲] / [▼] to select the lower limit temperature, and press [🏠] to fix the value.
The outing function setting is completed.
(The default value of the lower limit temperature is 10 °C.)



* The unit returns to the normal mode if [↩] is pressed or there is no operation made for 3 minutes during the setting. In this case, all the settings in progress will be lost.

● Canceling the outing function

Press and hold [🏠] for more than 4 seconds while the outing function is set.

• Outing function indication

Outing function indication	Status
Off	The outing function is not set.
Flashing	The outing function is now being set, or under operation.
Lighting	Although the outing function is set, not under operation.

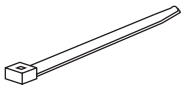
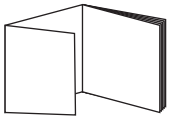
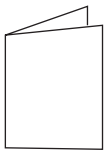
NOTE

If a blackout occurs during outing function operation and power is cut, the remote controller will lose the infomation for outing function operation. It reverts from the blackout, and an air conditioner does not drive in outing function when operation is started. At this time, an air conditioner does not stop at outing function.

4. Simplified Remote Controller

■ Basic Installation

● Parts supplied with simplified remote controller

Simplified remote controller	Wood screws	Binding strap	Instruction manual	Installation manual
				

● Simplified remote controller installation guidelines (Place of installation)

1. Mount the simplified remote controller at a height of 1 to 1.5 meters above the floor where it can sense the average temperature of the room.
2. Do not mount the simplified remote controller in a place exposed to direct sunlight or a place exposed to outside air such as near a window.
3. Do not mount the simplified remote controller behind an object so that it is separated from the air circulation of the room.
4. Mount the simplified remote controller within the room being air conditioned.
5. The simplified remote controller must be mounted on the wall or other surface vertically.

● How to install the simplified remote controller

- **When used as embedded type**

1. Insert a flathead screwdriver or the like in the groove on the lower side of the simplified remote controller body to pry off the back case. (See Fig. 3-44)
2. After passing the simplified remote controller wiring through the conduit on the back case of the controller, secure it with the two screws (field supply). (See Fig. 3-43)

   NOTE Do not apply excessive strain to the back case when securing it. Deformation of the back case may result in the remote controller falling off.
3. Connect the simplified remote controller wiring to the simplified remote controller main unit. (See “How to wire the simplified remote controller”.) When connecting the field supply 2 core lead wires to the terminal block, check the terminal numbers in the indoor unit to make sure that the wires are correctly connected. (See Fig. 3-45) (The simplified remote controller is damaged if 220 / 240 V AC is applied.)
4. Fit the simplified remote controller to the tabs of the back case and mount it.

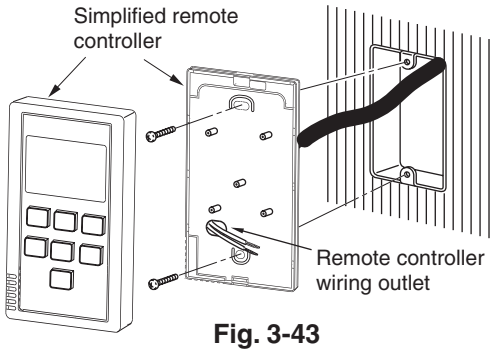
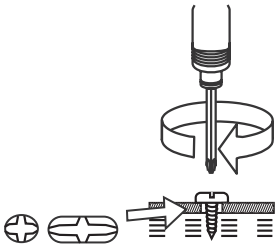


Fig. 3-43

When mounting the back case to the electric junction box, tighten the screws securely unitl the screw heads touch the back case. Otherwise, a loose screw head may damage the PCB on the back of the top cover when mounting the top cover. But do not over-tighten the screws. Overtightening may deform the back case and cause the unit to fall.



4. Simplified Remote Controller

- **When used as exposed type**

1. This step is the same as step 1 for the embedded type.
2. Because the simplified remote controller wiring exits the back case (thin part in upper central area), use a nipper or the like to cut out the part to fit the thickness of the simplified remote controller wiring. (See Fig. 3-46)
3. Referring to Fig. 3-47, connect the controller wiring to the main unit, and then attach the binding strap (supplied).
4. Place the controller wiring in the groove, and then adjust the wiring so that the binding strap attached in step 3 can be stored inside the simplified remote controller.
5. Secure the back case to the wall with the wood screws (supplied). (See Fig. 3-48)

NOTE Do not apply excessive strain to the back case when securing it.
Deformation of the back case may result in the remote controller falling off.

6. This step is the same as step 4 for the embedded type.

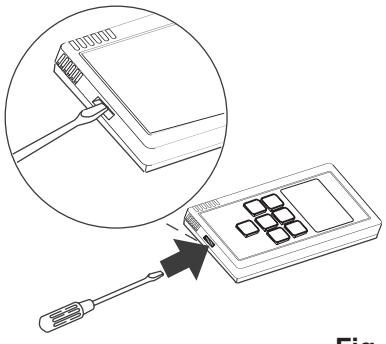


Fig. 3-44

- **Basic wiring diagram**

NOTE

Make sure to connect the wires correctly or the unit may be damaged. (See Fig. 3-49)

1. Following is a wiring diagram for controlling 1 indoor unit by 2 simplified remote controllers.
2. Performing group control of the multiple indoor units with 2 simplified remote controllers.
3. The main and the sub simplified remote controllers can be installed at any indoor unit for operations.

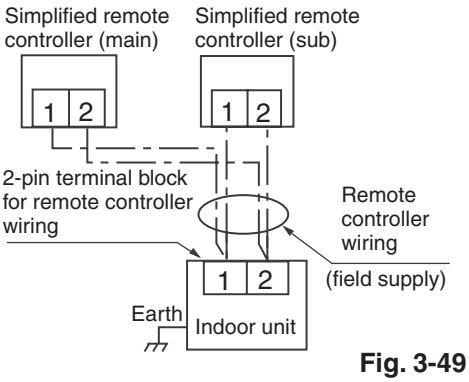
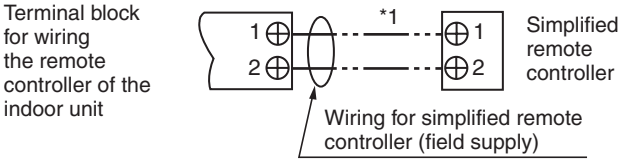


Fig. 3-49

● How to wire the simplified remote controller

- **Connection diagram**



*1: Use 0.5 mm^2 to 1.25 mm^2 stranded wires.

Fig. 3-45

Remote controller wiring can be extended to a maximum of 500m.

NOTE

1. Do not twist the simplified remote controller wiring with the power wiring or run it in the same metal conduit, because this may cause malfunction.
2. Install the simplified remote controller away from sources of electrical noise.
3. Install a noise filter or take other appropriate action if electrical noise affects the power supply circuit of the unit.

- Use an electric junction box (field supply) (See Fig. 3-43) for flush mounting of the simplified remote controller

● Guidelines for using 2 simplified remote controllers

This multiple remote controller system controls 1 to 8 indoor units with 2 simplified remote controllers.

- **Set-up procedure**

1. One of the 2 simplified remote controllers should be set as main controller.
2. For the rest, see the “Remote controller setting mode” section and set up Sub.

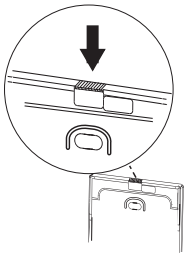


Fig. 3-46

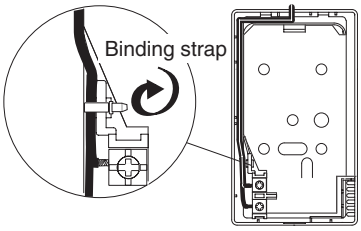


Fig. 3-47

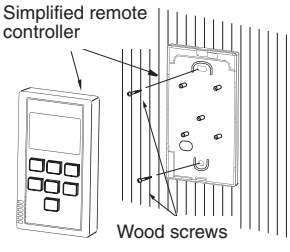


Fig. 3-48

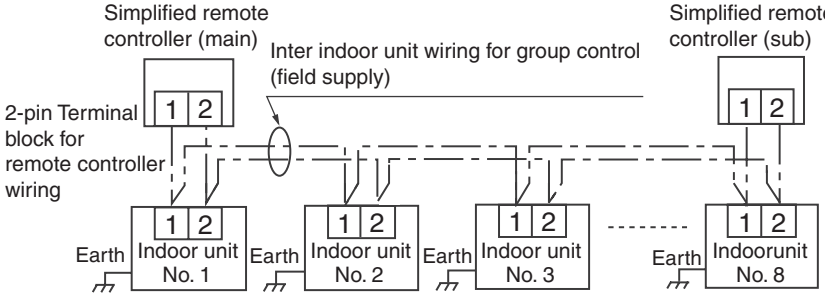


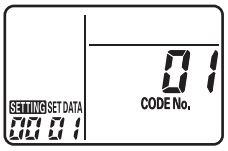
Fig. 3-50

4. Simplified Remote Controller

● Remote controller setting mode

Use the following method to perform simplified remote controller Main/Sub setting and RCU.CK switching.

1. Press both [▣] and [☎] buttons on the remote controller for more than 4 seconds together.
2. Use [▲]/[▼] (🌡) button to select an item code, and then use [▣] button to confirm.
3. Change DATA with [▲]/[▼] (🌡) buttons.
4. Press [▣]. Finally, press [⌐].



* To go back one step, press [☎].

* DATA is memorized in the RCU.
(DATA setting will not be changed even when the power is turned off.)

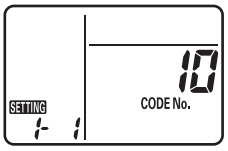
* Make sure to set [Normal] for RCU. CK.

CODE ITEM	ITEM	DATA	
		0000	0001
01	RCU. Main/Sub	Sub	Main
08	RCU. CK	RCU. CK	Normal

● Indoor unit setting mode

Use the following method to switch sensor or temperature unit (Celsius/Fahrenheit).

1. Press [▣] + [☎] + [⌐] buttons on the remote controller for more than 4 seconds together.
2. Use [▲]/[▼] (🌡) button to select a unit, and then use [▣] button to confirm.
3. Use [▲]/[▼] (🌡) button to select an item code, and then use [▣] button to confirm.
4. Change DATA with [▲]/[▼] (🌡) buttons.
5. Press [▣]. Finally, press [⌐].



* To go back one step, press [☎].

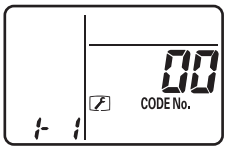
* DATA is memorized in the indoor unit.
(DATA setting will not be changed even when the power is turned off.)

CODE	ITEM	DATA	
		0000	0001
32	Room temperature sensor	Main unit	RCU
33	Temperature unit	°C	°F

● To display the sensor temperature:

1. Press both [⌐] and [☎] buttons on the remote controller for more than 4 seconds together.
2. Use [▲]/[▼] (🌡) button to select a unit, and then use [▣] button to confirm.
3. Change the sensor address (CODE No.) with [▲]/[▼] (🌡) buttons.
4. Press the [⌐] button to finish service mode.

* To go back one step, press [☎].

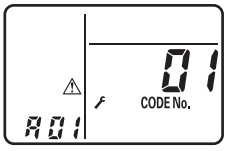


● To display the trouble history:

1. Press both [▣] and [⌐] buttons on the remote controller for more than 4 seconds together.
2. Change the alarm message: [▲]/[▼] (🌡) buttons
3. Press the [⌐] button to finish service mode.

CODE No. 01→04
(New) (Old)

* To clear the trouble history, press [❀].



3

4. Simplified Remote Controller

● **Test run setting**

1. Press both [⏻] and [☐] buttons on the remote controller for more than 4 seconds together, and then press [⏻] (ON/OFF) button.
   - "TEST" will appear on the display during test run.
   - During test run, temperature cannot be adjusted. This button should be used only for test run.
2. Perform test run in any operation mode of "heat", "cool" or "fan".

NOTE

The outdoor unit does not operate for 3 minutes after stopping operation or turning on the unit.

3. After test run is finished, press both [⏻] and [☐] buttons again for more than 4 seconds together, and then make sure "TEST" goes off from the display. (The 60-minute off timer function is provided for this remote controller in order to avoid continuous test run.)

● **Caution**

Caution when installing the remote controller (See Fig. 3-51-1)

*1 Install the remote controller more than 70 mm apart from the corner of the wall. (See Fig. 3-51-2)

*2 To install the remote controllers side-by-side, keep the space between each for more than 75 mm. (See Fig. 3-51-2)

*3 To install the remote controllers one above the other, keep the space between each for more than 25 mm. (See Fig. 3-51-3)

Unit: mm

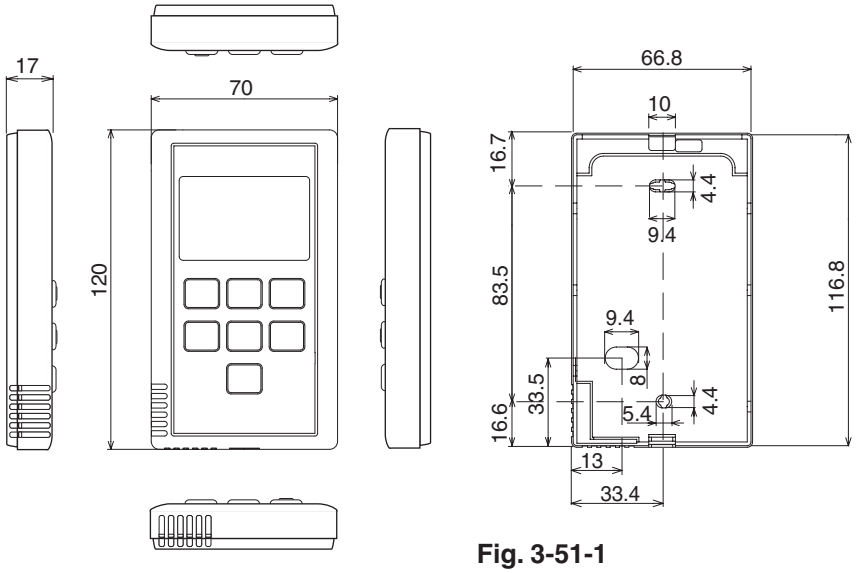


Fig. 3-51-1

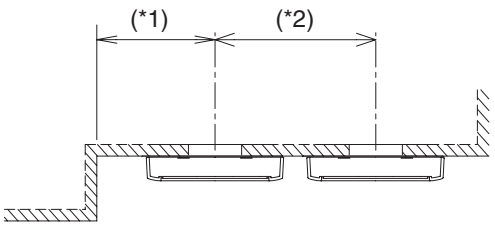


Fig. 3-51-2

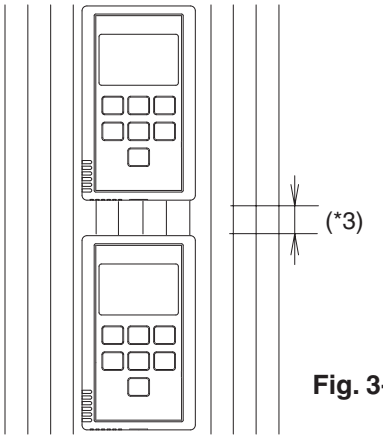


Fig. 3-51-3