INDIVIDUAL CONTROL SYSTEMS

**Timer remote controller (CZ-RTC2)**

**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**

**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).
Control of 2WAY SYSTEM

1. Main Operating Functions

2. Automatic Control for Heating and Cooling

Automatic Heating/Cooling Control

(1) When operation starts, heating or cooling is selected according to the set temperature and the room temperature.

- Room temperature ≥ Set temperature + 1 → Cooling
- Room temperature ≤ Set temperature ≤ Room temperature + 1 → Monitoring mode (*1)
- Room temperature < Set temperature – 1 → Heating

*1: If the difference between the room temperature and set temperature is small when operation starts, the cooling thermostat remains in standby status (OFF) until the temperature difference increases. When the temperature difference increases, either cooling operation or heating operation is selected. This standby status is known as “monitoring mode.”

(2) After operation starts in the selected operating mode, the set temperature is automatically shifted by +2°C (cooling operation) or –2°C (heating operation).

Example: Temperature set on the remote controller is 20°C.

<table>
<thead>
<tr>
<th>Selected operating mode</th>
<th>Shifted set temp.</th>
<th>Remote controller display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Cooling</td>
<td>22°C</td>
<td>20°C</td>
</tr>
<tr>
<td>2 Heating</td>
<td>18°C</td>
<td>20°C</td>
</tr>
</tbody>
</table>

(3) Operating mode changes (heating → cooling, cooling → heating) which occur during operation as a result of temperature changes are handled as shown below.

- Heating → cooling: Room temperature → Shifted set temperature (set temperature + 2°C) + 0.5°C
- Cooling → heating: Room temperature → Shifted set temperature (set temperature – 2°C) – 1.0°C

Example: Temperature set on the remote controller is 20°C.

<table>
<thead>
<tr>
<th>Operating mode change</th>
<th>Shifted set temp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Heating → Cooling</td>
<td>20 + 2 + 0.5 = 22.5°C or higher (*2)</td>
</tr>
<tr>
<td>2 Cooling → Heating</td>
<td>20 – 2 – 1.0 = 17°C or lower</td>
</tr>
</tbody>
</table>

*2: During heating operation when the body sensor is used, a temperature shift is applied to the intake temperature detected by the sensor, in consideration of the difference in temperature at the top and bottom of the room. (Refer to the “Room Temperature Control” item.) If this intake shift temperature is 4°C, then the heating → cooling change occurs when the temperature detected by the body sensor is 26.5°C or higher.

(4) Cooling (heating) operation does not change if the room temperature changes from area C → A (or A → C) within 10 minutes after the compressor turns OFF. (Monitoring mode is excepted.)

(5) When the heating/cooling change occurs, the 4-way valve switches approximately 30 to 50 seconds after the compressor turns ON.
2. Wireless Remote Controller

1. Optional Controller (Remote Controller)

Wireless Remote Controller CZ-RWSU2 / CZ-RWST2 / CZ-RWSL2
/ CZ-RWSC2 / CZ-RWSY2 / CZ-RWSK2

One remote control can control a group of up to eight indoor units.

1-1. Names and Functions

<table>
<thead>
<tr>
<th>Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Operation Display</td>
<td>Displays the operation status. (The figure shows all the statuses.) • The auto-flap display may be different, depending on the installed unit.</td>
</tr>
<tr>
<td>2. Start/Stop button</td>
<td>Pressing this button once starts and pressing again stops the operation.</td>
</tr>
<tr>
<td>3. Fan speed button</td>
<td></td>
</tr>
<tr>
<td>4. Swing/Wind Direction button</td>
<td></td>
</tr>
<tr>
<td>5. Timer setting button</td>
<td>Use for operating with a timer.</td>
</tr>
<tr>
<td>6. Reset button</td>
<td>Use this button after changing the batteries.</td>
</tr>
<tr>
<td>7. Cover</td>
<td>Press at the top center and then slide down.</td>
</tr>
<tr>
<td>8. Transmitter</td>
<td></td>
</tr>
<tr>
<td>9. Remote control sensor</td>
<td>Detects the temperature at the remote controller when detection has been switched to the remote control by the sensor button.</td>
</tr>
<tr>
<td>10. Temperature setting buttons</td>
<td>[] raises the temperature setting 1 °C at a time. [] lowers the temperature setting 1 °C at a time.</td>
</tr>
<tr>
<td>11. Filter button</td>
<td>CZ-RWSC2 Press to turn off the filter lamp on the receiver.</td>
</tr>
<tr>
<td>12. Mode Select button</td>
<td>Press to switch the operation mode.</td>
</tr>
<tr>
<td>13. Ventilation button</td>
<td>Use this when connected to an aftermarket fan. Pressing this button starts and stops the fan. When the air conditioner is started or stopped, the fan starts or stops at the same time. ([] appears on the display of the remote control when the fan is operating.)</td>
</tr>
<tr>
<td>14. Address button</td>
<td></td>
</tr>
<tr>
<td>15. Sensor button</td>
<td>Use this when switching to detect the temperature at the remote control. At shipping the default setting is set to detect the temperature at the unit. At this time [] is shown on the display.</td>
</tr>
<tr>
<td>16. Clock button</td>
<td>Use this when setting the clock.</td>
</tr>
</tbody>
</table>

From this page on the names of remote control buttons will be abbreviated as the illustration of the “button”.
E.g.: Start/Stop button → \[\]
2. Wireless Remote Controller

### RECEIVER

<table>
<thead>
<tr>
<th>1. Receiver</th>
<th>Receives the signal sent from the remote control.</th>
</tr>
</thead>
</table>
| 2. Emergency operation button | Display lamps  
When an error occurs, one of the lamps flashes. When a display lamp is blinking, refer to "Before Requesting Service". |
| 3. Operating lamp | This lamp is lit when the unit is operating. |
| 4. Timer lamp | This lamp is lit when the timer is set. |
| 5. Standby lamp | ・When the heater is working, the lamp lights at the following times.  
When the thermostat has operated during defrosting at the time of the startup.  
・The lamp flashes when an error occurs. |
| 6. Filter lamp | This lamp is for notifying you when the filter needs to be cleaned. |
| 7. Swing button |  |
| 8. Normal/Stop All switch | Use in the **Normal** position. It does not operate in the **Stop All** position.  
Remote control, main / remote control, secondary, switch  
In normal use this should be on remote control, main. It is also possible to use both in conjunction with a wired remote control (sold separately). (Consult with the dealer where the product was purchased about making the settings.)  
**Test/On switch**  
This is used during service. It is not for normal use.  
**Test Run/On switch**  
This is used during service. It is not for normal use. |
| 9. Address switch | Differentiate between incoming and outgoing signals. |

### NOTE

- If a heat pump model is being used, it will beep twice and the operating lamp will light up on the display; if the timer and standby lamps blink alternately, a conflict between the heating and cooling exists, so the unit cannot operate in the desired mode.  
(On models that do not have an Auto function, even if Auto is selected, it works in the same way.)
- When the local operation is disabled by such as the centralized control, and if the Start, Stop, Mode or Temperature setting buttons are pressed, the unit will beep five times and the change will not be made.
2. Wireless Remote Controller

1-2. Installing Batteries

1. Remove the cover.
2. Insert two AAA alkaline batteries.
   - Put the batteries in with the polarity [+/-] as shown in the figure.
3. Gently insert one end of an unfolded paper clip (or a similar object that can fit) into the Reset hole and press the Reset button inside the hole and then put the cover back on.

**NOTE**
- Change the batteries when the display of the remote control gets weak or if it will not work unless close to the receiver.
  (Alkaline batteries generally last about one year.)
- When changing batteries, always use two fresh batteries of the same make.
- If the remote control will not be used for a long period of time, remove the batteries.
- Please dispose of batteries appropriately.
- After changing the batteries, follow the procedures described below to reset the current time.

1-3. How to remove batteries

1. Remove the cover.
2. Press the battery toward the negative end and lift it out by its positive end.
   (As shown at right)
3. Remove the other battery in the same way.

**NOTE**
- Dispose of the used batteries at the designated location in compliance with the applicable local ordinances.

1-4. Setting the Current Time

After changing the batteries and pressing reset, be sure to reset the current time.
(When reset is pressed, the current time reverts to [00:00])

1. Press for two seconds or more.
   - Once the clock displays starts blinking, the clock can be set.
2. Set the hour with of the.
   - If you press and hold the button, the time changes quickly.
3. Set the minutes with of the.
   - If you press and hold the button, the time changes quickly.
4. Pressing completes the time setting.
   - While you are setting the current time, the time display flashes but the colon does not.
   - If the buttons are not pressed for three minutes while setting the current time, it is set to the displayed time.

**NOTE**
When reset is pressed, the timer settings are deleted.
2. Wireless Remote Controller

1-5. Operation

Auto ☄, Heat ☄, Dry ☄, Cool ☄, Fan ☄
Models that only provide the cooling function cannot operate in the auto or heating modes.

**Power:** Turn on the power of the indoor unit at least 14 hours before operation.

1. Press 


3. Press ☄ and select the desired speed.
   - If set to Auto ☄, the fan speed switches automatically.
   - (Auto does not work when in the Fan mode.)

4. Press one of the ☄ ☄ buttons and set the desired temperature.
   - Temperature settings cannot be made when in the Fan mode.

<table>
<thead>
<tr>
<th></th>
<th>Auto ☄</th>
<th>Heat ☄</th>
<th>Dry ☄ / Cool ☄</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX</td>
<td>27</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>MIN</td>
<td>17</td>
<td>16</td>
<td>18</td>
</tr>
</tbody>
</table>

**Stop:** Press .

- When the unit is stopped with the remote control, even though the compressor of the outdoor unit stops, the fan on the outdoor unit may continue to run for a while.

*If the unit is not heating very effectively with a Low fan speed ☄, switch the fan speed to High ☄ or ☄ Medium.*

Depending on the indoor unit being used, it may indicate a function that it does not have. (The fan speed is set.)

*If you cannot turn the air conditioner off in the normal way.*

- Disconnect the power to the indoor unit and contact the dealer where the product was purchased.

**<Auto Operation>**

- If all the indoor units are identical in a cooling system and are under control as one group, it heats or cools automatically via the differences between the set temperature and the room temperature.

**<Dry Operation>**

- Depending on the indoor unit used, the remote control may have a [Dry] ☄ indicator on its display even though the unit does not have the Dry function. (Same as cooler operation)
- When the room temperature approaches the temperature setting, the unit continues to start up or stop automatically.
- When the drying mode stops operating, the indoor unit’s fan blows a gentle breeze in order to keep the moisture from returning to the room at a minimum.
- Depending on the indoor unit used, and/or the temperature in the room, the fan speed may not be adjustable.
- Depending on the unit used, when the outside air temperature is 15 °C or less, the dry function will not operate.
2. Wireless Remote Controller

1-6. Timer Operation

- When setting the timer, make sure the current time on the remote control is accurate.
- The timer’s clock can only be set when the display of the remote control is ON.
- After setting the timer, put the remote control in a place where its signal will reach the receiver of the indoor unit. (When the time set for the timer is reached, a signal is sent from the remote control to Start/Stop the unit.)

Using the Timer

1. Press either $\text{\textasciitilde}$ or $\text{\textasciitilde}$ of the or $\text{\textasciitilde}$ and while the time is being displayed, if you press $\text{\textasciitilde}$ again, a scheduled time can be set. The time last set on the timer is displayed.
   "--:--" indicates time to change the batteries.

2. Press either $\text{\textasciitilde}$ or $\text{\textasciitilde}$ of the or $\text{\textasciitilde}$ and set the timer to the desired time. Every time you press $\text{\textasciitilde}$ the time changes in 10 minute increments. If you press and hold the button, the time changes quickly.

3. After setting the timer, if you press $\text{\textasciitilde}$, the time you set changes to a steady display, indicating settings are complete. After the timer setting is displayed for three seconds, the display reverts to the current time.

Combining ON and OFF Timers

- Setting the ON and OFF timers, respectively.

Checking the timer setting

- If you press either $\text{\textasciitilde}$ or $\text{\textasciitilde}$ for the or the , the scheduled time is displayed for four seconds.
- When no timer setting has been made, it displays --:--. (Initial Setting)

Changing a timer setting

- Press $\text{\textasciitilde}$ or $\text{\textasciitilde}$ for the or the , and then when the timer setting is displayed, press $\text{\textasciitilde}$ or $\text{\textasciitilde}$ for the timer again.

Canceling a timer setting

- If you press [CANCEL], the timer setting is canceled.
- If you wish to cancel the setting for either the or the timer, press $\text{\textasciitilde}$ or $\text{\textasciitilde}$ or the desired timer and when the scheduled time is displayed, press [CANCEL].

Using the same timer setting every day

- If you press $\text{\textasciitilde}$ for 2 or more seconds, " $\text{\textasciitilde}$" is displayed and the ON timer or the OFF timer will operate the unit at the same time every day.
- If you press $\text{\textasciitilde}$ again for two seconds or more, " $\text{\textasciitilde}$" goes off and the timer operates just once.
2. Wireless Remote Controller

1-7. Adjusting the Wind Direction

- Never try to manually move the flap (up-down wind direction plate) that is operated by the remote control.
- When the unit stops, the flap (up-down wind direction plate) automatically faces downwards.
- When the unit is in heating standby, the flap (up-down wind direction plate) faces upward.

Also, bear in mind that the flap starts swinging after the heating standby mode is released, but the display on the remote control indicates Auto Flap during standby heating as well.

CZ-RWSU2 / CZ-RWST2 / CZ-RWSL2 / CZ-RWSY2 / Indoor Unit (K1 type)

Setting the Wind Direction
While the unit is operating, every time you press \( \text{\textdegree} \), the direction the flap faces changes.

Setting Flap to Swing
If you press \( \text{\textdegree} \) to set the flap (up-down wind direction plate) in its most downward facing position, and then press \( \text{\textdegree} \) again, \text{\textdegree} \text{\textdegree} is displayed and the flap swings automatically up and down.

Stopping Flap Swing
If you press \( \text{\textdegree} \) again while the flap is swinging, you can stop the flap from swinging and set it in place as desired. Thereafter, if you press \( \text{\textdegree} \), you can set the wind direction starting from the most upward position.
- When the unit is in the Cool or Dry modes, the flap cannot stop facing downwards. If you try to stop the flap from swinging while it is facing downwards, it will continue moving until it is in the third position from the top.

CZ-RWSC2
The available functions differ depending on the indoor unit being used.
The wind direction cannot be set via remote control for any models other than those noted below.
For more information, please refer to the users’ manual that came with your indoor unit.

Four-direction Ceiling Cassette Models, Bi-directional Ceiling Cassette Models,
Unidirectional Cassette Models for High Ceilings, Ceiling Suspended Models, Wall Models

Please refer to Setting the Wind Direction and Stopping Flap Swing.

1-8. Operating Multiple In/Outdoor Units Simultaneously (Group Control)

Group control works well for providing air conditioning to one, large room with more than one air conditioning units.

- One remote control can operate up to eight indoor units.
- All the indoor units have identical settings.
- Set temperature sensing to the indoor unit (Main Sensor).
2. Wireless Remote Controller

1-9. Using the Remote Control

- Point the transmitter of the remote control at the receiver. When the signal is received correctly it will beep once. (It beeps twice only when the unit starts operating.)
- The signal can be received at a distance of about 6 meters. This distance should be used only as a guide. It depends on battery strength.
- Make sure nothing is between the remote control and the receiver that could block the signal.
- Do not leave the remote in direct sunlight, where the wind from the air conditioner can blow directly on it, or near any other heat source.
- Take care not to drop, throw or wash the remote control with water.
- The signal from the remote control may not be received in rooms with rapid start fluorescent lighting, inverter lights, plasma displays, LCD televisions (monitor), etc. For more information, please contact the dealer where the product was purchased.

Wall Mount Use

- Press \( \bigcirc \) from the location you wish to mount the remote and make sure the signal is received correctly.
- Pull the remote control forward to remove it.

1-10. For Best Results

Don’t get the remote control too far away from the receiver. This may cause a malfunction. Be sure to keep the remote control in the same room as the receiver.

Point the remote control at the receiver. When the signal is received correctly it will beep one time.

Avoid locating the remote control where it is covered, such as behind a curtain. Keep it out in the open.

1-11. Addresses

In both multi and single unit installations, when more than one indoor unit is installed in the same room with a compatible remote control, addresses can be set up to avoid crosstalk. By setting the address switches on the receivers and matching them with the number of addresses on the remote control, up to six indoor units can be controlled separately with the remote control. (When using units in a flexible combination or operating multiple units simultaneously, as they are operated at the same time, they cannot be controlled individually.) There are separate address settings, receiver addresses for the receivers*1 and transmitter addresses for the remote control. For more information, please contact the dealer where the product was purchased.

- The setting procedure is different for Indoor Unit (K1 type). (See Setting Addresses (K1 Type) in the next page.)
- These settings are saved in nonvolatile memory in the remote control, so even when its batteries are changed, the settings do not have to be made again.

*1 CZ-RWST2 is of a receiver (Inside the indoor unit); CZ-RWSL2 is of an operation panel. (Inside the indoor unit)

Checking Addresses

When you press \( \text{SET} \) on the remote control, its current address is shown in the display. If this address corresponds to the address of a receiver*2, the buzzer sounds. (If it is on ALL, the buzzer will always sound.) If it is on ALL, it can be operated regardless of receiver addresses. Point the remote control at the receiver you wish to operate and transmit.

*2 CZ-RWSL2 is a receiver. (Indoor unit)
Matching up Addresses
Setting Remote Control Addresses

1. If you press [SET] and [1/3] at the same time, “SET” will blink.
2. While holding [1/3] down, every time you press [2/4], it cycles from ALL → 1 → 2 → 3… 6 → ALL.

   Set it to the receiver address switch of the indoor unit you wish to operate.

3. When you release [SET], the address that was displayed is set.

   When you do this, if it corresponds to the receiver’s address setting, the buzzer sounds.

<table>
<thead>
<tr>
<th>Address Display on the Remote Control</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td>CZ-RWSU2</td>
</tr>
<tr>
<td>Position of receiver’s (inside indoor unit) address switch</td>
</tr>
<tr>
<td>The position of the receiver’s address switch does not matter.</td>
</tr>
<tr>
<td>4-6</td>
</tr>
<tr>
<td>1-3</td>
</tr>
<tr>
<td>For 1, 2 and 3, set the switch on the left and for 4, 5 and 6, to the right.</td>
</tr>
</tbody>
</table>

| CZ-RWST2                             |
| Position of receiver’s (inside indoor unit) address switch |
| The position of the receiver’s address switch does not matter. |
| 1 2 3 4 5 6 |
| For 1, 2 and 3, set the switch on the left and for 4, 5 and 6, to the right. |

| CZ-RWSL2                             |
| Position of the operation panel’s (inside indoor unit) address switch |
| The position of the receiver’s address switch does not matter. |
| ACR 1 2 3 4 5 6 |
| For 1, 2 and 3, set the switch on the left and for 4, 5 and 6, to the right. |

| CZ-RWSC2                             |
| Position of the Receiver’s Address Switch |
| The position of the receiver’s address switch does not matter. |
| ACR 1 2 3 4 5 6 |
| For 1, 2 and 3, set the switch on the left and for 4, 5 and 6, to the right. |

Setting Addresses (CZ-RWSY2 / K1 Type)
(Setting the address of the indoor unit)

1. First of all, set the address for the remote control with Setting Remote Control Address (See Page 3-12).
2. Press [Emergency Operation] of the indoor unit for four seconds or more.

   When you do this, the lamps of the display will blink one after another.

4. The buzzer will sound and the address of the indoor unit will change to the address displayed on the remote control.
5. If you press [Emergency Operation] of the indoor unit once, the lamps on the indoor unit’s display will turn off.

**NOTE**
- Please do not hold the [Emergency Operation] button of the indoor unit down while the indoor unit’s display lamps are blinking one after another.
- Make sure to operate while the indoor unit is stopped.
- The address of indoor unit is set to “ALL” at the time of shipment.
2. Wireless Remote Controller

1-12. Emergency Operation

Use [Emergency Operation] in the following situations when there is an urgent need.

- When the remote control’s batteries have failed.
- When the remote control is broken.
- When the remote control is lost.

*1 Figures: CZ-RWSU2, CZ-WRSY2 and CZ-RWST2 are of receivers (inside indoor unit), CZ-RWSL2 is of the operation panel (inside indoor unit) and Indoor Unit (K1 type) is of its front panel.

CZ-RWSU2 / CZ-RWST2 / CZ-RWSY2 / Indoor Unit (K1 type)


If the indoor temperature is 24 °C or greater when the unit starts running, it will act as a cooler.
If the indoor temperature is less than 24 °C when the unit starts running, it will act as a heater.


NOTE

- The Test Run/On and Test/On switches are for use when the unit is installed and test run. It is not for normal use.
- If the [Normal/Stop ALL] switch is on Stop ALL, the unit cannot receive signals from the remote control.

CZ-RWSC2 / CZ-RWSL2


If the indoor temperature is 24 °C or greater when the unit starts running, it will act as a cooler.
If the indoor temperature is less than 24 °C when the unit starts running, it will act as a heater.

2. If you press , the wind direction automatically oscillates up and down.


NOTE

- The Test Run/On and Test/On switches are for use when the unit is installed and test run. It is not for normal use.
- If the [Normal/Stop ALL] switch is on Stop ALL, the unit cannot receive signals from the remote control.
2. Wireless Remote Controller

1-13. Miscellaneous Settings

A variety of changes can be made to settings, depending on the indoor unit being used.

Wind Direction (flap) indicator, operation mode indicator, time display (24 hour, AM/PM), Heat Max Temp

- For information about the flap function, refer to the users' manual of the unit being used.
- (These settings are saved in nonvolatile memory in the remote control, so even when its batteries are changed, the settings do not have to be made again.)
- First check the display of the remote control when the unit is stopped and then make any desired settings.

How to Operate

- While holding down the buttons below, every time is pressed the remote control’s display changes.
- Whatever is being displayed when you release is set.

<table>
<thead>
<tr>
<th>Setting Item</th>
<th>Operation Button</th>
<th>Setting Content</th>
<th>Remote Control Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote control flap display setting for</td>
<td>Press while pressing</td>
<td>Models with movable flaps</td>
<td></td>
</tr>
<tr>
<td>when is pressed</td>
<td></td>
<td>Swing only models</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Models w/o lamps</td>
<td></td>
</tr>
<tr>
<td>Remote control operation mode display</td>
<td>Press while pressing</td>
<td>Heat Pump (with Auto)</td>
<td></td>
</tr>
<tr>
<td>setting when is pressed</td>
<td></td>
<td>Heat Pump (without Auto)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dedicated air conditioner</td>
<td></td>
</tr>
<tr>
<td>Clock display setting</td>
<td>Press while pressing</td>
<td>24 Hour</td>
<td>2359</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AM/PM</td>
<td>1159</td>
</tr>
<tr>
<td>Max possible temperature setting in the</td>
<td>Press while pressing</td>
<td>Maximum heating temperature range is 26 °C – 30 °C</td>
<td>26-27-28</td>
</tr>
<tr>
<td>Heat mode</td>
<td></td>
<td></td>
<td>30-29</td>
</tr>
</tbody>
</table>
2. Wireless Remote Controller

1-14. Before Requesting Service

Before requesting service, please check the followings.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The unit doesn’t work even when 1 is pressed on the remote control.</td>
<td>The power to the indoor unit is not ON.</td>
<td>Make sure the power to the indoor unit is ON.</td>
</tr>
<tr>
<td></td>
<td>Is the Normal/Stop All switch in the Stop All position? (See Page 3-7)</td>
<td>Switch it to the Normal position and cancel operation.</td>
</tr>
<tr>
<td></td>
<td>Are the remote control’s batteries dead?</td>
<td>Change the batteries.</td>
</tr>
<tr>
<td></td>
<td>Is there a mismatch between the display lamp and cooling/heating or is it set to something other than Auto? (The operating lamp stays lit, while the timer lamp and the standby lamp blink alternately.)</td>
<td>Change the operating mode.</td>
</tr>
<tr>
<td></td>
<td>Do the addresses match one another?</td>
<td>Check the addresses of the receiver*1 and the remote control. (See Page 3-12)</td>
</tr>
<tr>
<td>The air conditioner starts and stops on its own.</td>
<td>Has the timer been set to repeat?</td>
<td>Check the timer settings. (See Page 3-10)</td>
</tr>
<tr>
<td>-'E' is displayed on the remote control when the unit is stopped.</td>
<td>An error has occurred in the non-volatile memory.</td>
<td>Please contact your sales outlet.</td>
</tr>
<tr>
<td>Although the unit is for air conditioning only, either Auto or Heat is indicated in the display.</td>
<td>Make settings to the remote control’s operation mode display. (See Page 3-15)</td>
<td></td>
</tr>
<tr>
<td>After putting the batteries in the remote control, even when it is operated, the display does not change.</td>
<td>Press the Reset button on the remote control. (See Page 3-8)</td>
<td></td>
</tr>
<tr>
<td>The timer cannot be set.</td>
<td>Make the settings when the remote control is in Operation Display. (See Page 3-9)</td>
<td></td>
</tr>
</tbody>
</table>

If the problem persists even after you check the foregoing items, stop the unit, disconnect the power to the indoor unit and contact the dealer where the product was purchased with the model number and problem you are having.

As it is dangerous, under no circumstances should you undertake repairs yourself.

Further, when the receiver’s*2 lamps are blinking; please contact your retailer with that information.

*1 CZ-RWSL2 is an operation panel
*2 CZ-RWSL2 is a display

1-15. Specifications

**CZ-RWSU2 / CZ-RWST2 / CZ-RWSC2 / CZ-RWSY2 / CZ-RWSK2**

### Wireless Remote Control

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>182 mm (H) X 61 mm (W) X 18.5 mm (D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>Two AAA alkaline batteries</td>
</tr>
<tr>
<td>Clock Accuracy</td>
<td>±30 seconds per month (at 25 °C)</td>
</tr>
</tbody>
</table>

**CZ-RWSL2**

<table>
<thead>
<tr>
<th>Display</th>
<th>Dimensions</th>
<th>37 mm (H) X 70 mm (W) X 22 mm (D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>5 V DC (supplied from the operation panel)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operation Panel</th>
<th>Dimensions</th>
<th>55 mm (H) X 120 mm (W) X 16 mm (D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>16 V DC (Supplied from the terminal strip of the indoor unit’s remote control)</td>
<td></td>
</tr>
</tbody>
</table>

### Receiver

**CZ-RWSU2 / CZ-RWST2 / CZ-RWSC2 / CZ-RWSY2**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>CZ-RWSU2: 200 mm (H) X 200 mm (W) X 25 mm (D)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CZ-RWST2: 65 mm (H) X 130 mm (W) X 22 mm (D)</td>
</tr>
<tr>
<td></td>
<td>CZ-RWSC2: 120 mm (H) X 70 mm (W) X 13 mm (D)</td>
</tr>
<tr>
<td></td>
<td>CZ-RWSY2: 108 mm (H) X 108 mm (W) X 20 mm (D)</td>
</tr>
<tr>
<td>Power source</td>
<td>16 V DC (Supplied from the terminal strip of the indoor unit’s remote control)</td>
</tr>
</tbody>
</table>
2. Wireless Remote Controller

2. How to Install the Wireless Remote Controller Receiver

Common to All Models

2-1. Warnings about Installation of Receivers

The wireless remote uses a very weak infrared light for its signal, which can result in the signal not being received because of the following influences, so take care in where the unit is installed.

- Inverter or rapid-start type fluorescent lights. (Models without glow lamps)
- Plasma display or LCD televisions.
- Direct sunlight or other sources of bright light.

2-2. Warnings about Installing Remote Controls

(1) If a remote control is to be operated from a remote control holder that is hung on a wall, turn on the lights in the room as well as any electrical appliances and then check to make sure the air conditioner works with the remote control in the location where it will be installed. If it works, continue with installation.

(2) If the air conditioner is to be switched from the main sensor to a remote control sensor, pay attention to the following when installing.

- Locate where no warm or cold drafts will affect it.
- Locate in a place free from direct sunlight.
- Locate where it will not be affected by any other heat/cold source.

2-3. Things to remember when wired and wireless remotes are installed at the same time

Two remote controls can be used to control the unit if the wireless remote control kit is installed at the same time as the wired remote control.

(Up to 2 remotes [a wireless remote kit and the wired remote control] can be installed.)

When using 2 remotes, one or more units can be operated by the remotes.

**NOTE**

1. When wiring remote controls, be sure to double-check the terminal numbers of the indoor unit before connecting them so there are no mistakes in the wiring. (Damage will occur if high voltage [e.g. supply voltage] is applied)
2. It is not possible to use more than one wireless remote control kit with one indoor unit.
   (A receiver located separately can be used at the same time)
3. If both a wireless and a wired remote control are to be installed and used at the same time, one of them must be set up as the sub remote control.

- If the wired remote control is to be the sub remote, change the wired remote control to the sub remote.
- If the wireless remote control is to be the secondary, turn the #3 switch on the wireless receiver (operation panel) from OFF to ON.

When 1 indoor unit is operated by 2 remote controls:

- Either of the remotes can be set to main/sub.

<table>
<thead>
<tr>
<th>Indoor Unit</th>
<th>Wireless Remote Control Kit (Sold Separately)</th>
<th>Wired Remote Control (Sold Separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grounding wire</td>
<td>Earth</td>
<td>Remote Control Wiring (Field Supply)</td>
</tr>
</tbody>
</table>

- Use wiring of 0.5 mm² to 2 mm² for field supply.
- Use a total wire length of no more than 400 m.

If a group of units are to be controlled by 2 remote controls:

- Main/sub remote controls will work regardless of which indoor unit they are installed to.

<table>
<thead>
<tr>
<th>Indoor Unit</th>
<th>Wireless Remote Control Kit (Field Supply)</th>
<th>Wired Remote Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grounding wire</td>
<td>Earth</td>
<td>Remote Control Wiring</td>
</tr>
</tbody>
</table>

- Use wiring of 0.5 mm² to 2 mm² for field supply.
- Make the total wire length when cross-wiring a group no more than 200 m.
2. Wireless Remote Controller

CZ-RWSU2

CZ-RWST2

CZ-RWSC2

CZ-RWSL2
2. Wireless Remote Controller

- CZ-RWSU2

2-4. Accessories

<table>
<thead>
<tr>
<th>No.</th>
<th>Accessories</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Receiver</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Remote Control</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Remote Control Holder</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Dry-cell Batteries</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Users Manual</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Truss Self-Tapping Screws</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Cable clamp</td>
<td>1</td>
</tr>
</tbody>
</table>

2-5. Installing the Receiver

The receiver can only be installed on the corner indicated in Fig. 3-1, so consider how the panel will face when it is installed on the indoor unit.

1. Remove the air inlet grill.

2. Remove the screw holding the adjustable corner cap, slide the cap to the side and remove it. (Fig. 3-2)

3. To pass the wire through the panel, bend back the clip on the hexagonal hole (diagonal line) and then pass wire protruding from the wireless receiver through the grill. (Fig. 3-3)

4. After wiring according to the directions in Wiring the Receiver Unit below, leave enough wiring so the receiver’s adjustable corner cap can be removed and fasten the cable clamp with its screw. (Fig. 3-3)

5. Hang the string on the corner cover onto the pin on the ceiling panel as shown in the diagram. Then slide the corner cover onto the ceiling panel until the three clips are correctly located, and then fix it in place with the screws. (Fig. 3-4)

- Make sure the wire is not caught.
- Refer to the installation instructions supplied with the panel.

NOTE

1. If the wiring for the receiver is bundled with other wires, such as the incoming line, it may cause a malfunction, so avoid putting them together.

2. If something causes the unit’s power source to make noise it will be necessary to resolve the problem, such as by installing a noise filter.

- For more information about wiring or test operation, refer to Wiring the Receiver and Test Run.
2. Wireless Remote Controller

2-6. Wiring the Receiver

- **Wiring Diagram**

<table>
<thead>
<tr>
<th>Terminal Strip for Wiring Remote Controls</th>
<th>Indoor Unit</th>
<th>Receiver PCB</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White</td>
<td>ON001</td>
</tr>
<tr>
<td>2</td>
<td>Black</td>
<td></td>
</tr>
</tbody>
</table>

- **Connections**

Connect the wires from the receiver to the remote control terminal strip on the indoor unit. (Polarity does not matter)

2-7. Test Operation

**Implementing a Test Run**

1. Turn the #1 DIP switch [S003] on the receiver’s PCB from OFF to ON and operate the wireless remote control with its Start/Stop button.
2. During a test run, all display lamps on the display will light up.
3. During a test run, it is not possible to adjust the temperature.
4. After completing a test run, be absolutely sure to turn the #1 DIP switch from ON to OFF and make sure none of the display lamps are blinking. Also, replace the PCB cover back as it was and fasten it; while holding the wiring with the cable clamp, tighten its screw.

**NOTE**

1. This is hard on the device, so only use this for the test run.
2. After turning on the power, the unit will not receive any commands from the remote control for about 1 minute. This is not an error. (In fact it does receive signals, but they are cancelled.)

2-8. Setting Address Switches

- When more than one receiver and remote control are installed in the same room, setting up addresses allows them to avoid interfering with each other.
- Refer to the Users Manual for information on how to change the addresses of the remote controls.
- Changing the address of a receiver can be done after removing the screw to the receiver’s PCB cover. Once the change is complete, put the cover back in place; while holding the wiring with the cable clamp, tighten its screw.

<table>
<thead>
<tr>
<th>Address Display on the Remote Control</th>
<th>Position of the Receiver’s Address Switch</th>
<th>1</th>
<th>2</th>
<th>……</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>L</td>
<td>L</td>
<td>I</td>
<td>4-5</td>
<td>1-3</td>
</tr>
</tbody>
</table>

- **NOTE**

During a test run, it is not possible to adjust the temperature.
2. Wireless Remote Controller

- CZ-RWST2

2-9. Accessories

<table>
<thead>
<tr>
<th>No.</th>
<th>Accessories</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Receiver</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Remote Control</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Remote Control Holder</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No.</th>
<th>Accessories</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Dry-cell Batteries</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Users Manual</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Truss Self-Tapping Screws</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Cable tie</td>
<td>1</td>
</tr>
</tbody>
</table>

2-10. Installing the Receiver

- Ceiling Suspended Model

1. Open the air inlet grill on the side panel, remove the 1 screw and then move it toward the front (direction of the arrow) and remove it. (Fig. 3-6)

2. Wrap the tip of a slotted screwdriver with plastic tape and then slip it in to the side of and under where O is printed on the cover, wiggling the cover free. (Fig. 3-7) (Be careful not to scratch the panel.)

3. After passing the lead wire through the panel, install the receiver in the hole in the panel. (The projecting parts of the receiver is held in the hole in the panel)

4. Fasten the receiver’s lead wire to the cable clip that is holding the wire from the louver motor. (Fig. 3-8)

5. Attach the side panel.

6. Put the receiver’s lead wire together with other wires, such as the louver motor wire and fasten them with the wire saddle. (Fig. 3-9)

- Use the hole in the upper part of the wiring box to lead it in.
2. Wireless Remote Controller

- **Unidirectional cassette model for high ceilings/Unidirectional ceiling cassette model**
  1. While spreading the tabs of the cover, pull it out from the panel to the front. (Fig. 3-10)
  2. Pass the lead wire through the panel and install the receiver in the hole in the panel.
     (The projecting parts of the receiver hold it in the hole in the panel)
  3. Press the lead wire from the receiver in along the rib on the back of the panel.
     If installing to a unidirectional high ceiling cassette, pass it through the cutout. (Fig. 3-11)
  4. Install the panel on the indoor unit.
  5. Fasten the lead wire sticking out from the panel with the cable clips on the inside of the indoor unit. (Fig. 3-12)
  6. Draw the lead wire into the electrical box through the hole on the bottom and connect it to the remote control terminal strip.
     If installing to a high ceiling unidirectional cassette, fasten the wire at the latch of the fan casing with the enclosed cable tie. (Fig. 3-13)

![Fig. 3-10](image)

![Fig. 3-11](image)

![Fig. 3-12](image)

![Fig. 3-13](image)

**NOTE**

1. If the wiring for the receiver is bundled with other wires, such as the incoming line, it may cause a malfunction, so avoid putting them together.
2. Fasten the lead wire securely so it does not get wrapped up in the fan.
3. If something causes the unit’s power source to make noise it will be necessary to resolve the problem, such as by installing a noise filter.

- For more information about wiring or test operation, refer to Wiring the Receiver and Test Run.

### 2-11. Wiring the Receiver

#### Wiring Diagram

![Wiring Diagram](image)

**Connections**

Connect the wires from the receiver to the remote control terminal strip on the indoor unit. (Polarity does not matter)
2. Wireless Remote Controller

2-12. Test Operation
Implementing a Test Run
1. Turn the #1 DIP switch [S003] on the receiver’s PCB from OFF to ON and operate the wireless remote control with its Start/Stop button.
2. During a test run, all display lamps on the display will light up.
3. During a test run, it is not possible to adjust the temperature.
4. After completing a test run, be absolutely sure to turn the #1 DIP switch from ON to OFF and make sure none of the display lamps are blinking. Also, replace the PCB cover back as it was and fasten it; while holding the wiring with the cable clamp, tighten its screw.

2-13. Setting Address Switches
- When more than one receiver and remote control are installed in the same room, setting up addresses allows them to avoid interfering with each other.
- Refer to the Users Manual for information on how to change the addresses of the remote controls.
- Changing the address of a receiver can be done after removing the screw to the receiver’s PCB cover.

Once the change is complete, put the cover back in place; while holding the wiring with the cable clamp, tighten its screw.

<table>
<thead>
<tr>
<th>Address Display on the Remote Control</th>
<th>1</th>
<th>2</th>
<th>.....</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Position of the Receiver’s Address Switch</td>
<td>It doesn’t matter where the receiver’s address switch is.</td>
<td>3</td>
<td>3</td>
<td>6</td>
</tr>
</tbody>
</table>

**NOTE**
1. This is hard on the device, so only use this for the test run.
2. After turning on the power, the unit will not receive any commands from the remote control for about 1 minute. This is not an error. (In fact it does receive signals, but they are cancelled.)
2. Wireless Remote Controller

CZ-RWSL2

2-14. Accessories

<table>
<thead>
<tr>
<th>No.</th>
<th>Accessories</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Operation Panel</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Display</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Remote Control</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Remote Control Holder</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No.</th>
<th>Accessories</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Dry-cell Batteries</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Users Manual</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Truss Self-Tapping Screws 4 X 16</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Pan Head Self-Tapping Screws 4 X 10</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>Plastic Clamp L150</td>
<td>4</td>
</tr>
</tbody>
</table>

2-15. Installing the Display/Operation Panel

Resin Panel

Installing the Operation Panel

(1) Remove the 2 screws and remove cover A from the back of the panel. (Fig. 3-15)
(2) Fasten the operation panel to the location in the diagram below with the 2 enclosed screws (4 X10). (Fig. 3-16)
(3) Pass the wiring for the display (W2, 6P white connector) through the back of the panel.

Installing the Display

(1) 1 Cover B is fitted inside cover A, so remove the 1 screw and detach it by pressing on it from the front side of the panel. (Fig. 3-17)
(2) Connect the wiring (W2) for the display that is sticking out from the operation panel and fit the display into the panel. Make sure the 6P white connector is firmly connected all the way in.
(3) Bend the lead wire of the display into shape so it does not come in contact with the louver shaft. There is a groove in the circled part in diagram 3 that is for passing wire through; press the lead wire into this groove so there is no slack in it.
(4) Attach cover A. When doing so, press it securely into the place indicated by the arrow in Fig 3-18.
(5) Shape the lead wire of the operation panel appropriately and fasten it with the enclosed plastic clamp.
(6) Install the ceiling panel.
Metal Panel
Installing the Operation Panel
(1) Remove the 2 screws and remove cover A from the back of the panel. (Fig. 3-19)
(2) Fasten the operation panel to the location in the diagram below with the 2 enclosed screws (4 X10). (Fig. 3-20)
(3) Pass the wiring for the display (W2, 6P white connector) through the back of the panel.

Installing the Display
(1) Cover B is fit into Cover A, so spread the points as indicated in figure 3-21 and remove it.
   The tape holding cover B is only to protect it during transport, so remove it and throw it away.
(2) Connect the wiring (W2) for the display that is sticking out from the operation panel and fit the display into the panel.
   Make sure the 6P white connector is firmly connected all the way in.
(3) Pass the lead wire for the display through the cutout in the panel, and using the hole in the metal panel, fasten it with the
   plastic clamp. (Fig. 3-22)
(4) Attach cover A.
(5) Properly route the lead wire of the operation panel and fasten it with the twist lock. (Fig. 3-20)
(6) Install the ceiling panel.

Wiring Diagram
Connections
(1) Connect W1 to the remote control terminal strip on the indoor unit. (Polarity does not matter)
(2) Connect the display and the operation panel with W2.
2. Wireless Remote Controller

2-17. Test Operation
Implementing a Test Run
1. Turn the #1 DIP switch of the operation panel from OFF to ON (Down → Up) and operate the wireless remote control with its Start/Stop button.
2. During a test run, all display lamps on the display will light up.
3. During a test run, it is not possible to adjust the temperature.
4. After completing a test run, be absolutely sure to turn the #1 DIP switch from ON to OFF (Up → Down) and make sure none of the display lamps are blinking. Also, replace the PCB cover back as it was and fasten it; while holding the wiring in the cable clamp, tighten its screw.

NOTE
(1) This is hard on the device, so only use this for the test run.
(2) After turning on the power, the unit will not receive any commands from the remote control for about 1 minute.
   This is not an error. (In fact it does receive signals, but they are cancelled)

2-18. Setting Address Switches
- When more than one display/operation panel and remote control are installed in the same room, setting up addresses allows them to avoid interfering with each other.
- Refer to the Users Manual for information on how to change the addresses of the remote controls.

<table>
<thead>
<tr>
<th>Address Display on the Remote Control</th>
<th>1</th>
<th>2</th>
<th>.....</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Position of the Receiver’s Address Switch</td>
<td>1 2 3</td>
<td>1 2 3</td>
<td>.....</td>
<td>1 2 3</td>
</tr>
<tr>
<td>It doesn’t matter where the receiver’s address switch is.</td>
<td>4 6 6</td>
<td>4 5 6</td>
<td></td>
<td>4 5 6</td>
</tr>
</tbody>
</table>
2-20. Installing the Receiver

When using a separately installed receiver as a built-in model, install it to the JIS switch box (field supply) shown in the diagram on the right, which has been built into the wall on site in advance.

1. Remove the face plate of the receiver by slipping a slotted screwdriver or the like into the cutout on the bottom.
2. Install the receiver with the 2 enclosed small M4 screws.
3. Connect the receiver's wiring (2 cores) with the wiring from the indoor unit. (Refer to the chapter on wiring the receiver)

   When wiring receivers, be sure to double-check the terminal numbers of the indoor unit before connecting them so there are no mistakes in the wiring. (Damage will occur if high voltage [e.g. supply voltage] is applied)
4. Attach the face plate.

---

**Fig. 3-24**

---

**Table: CZ-RWSC2 Accessories**

<table>
<thead>
<tr>
<th>No.</th>
<th>Accessories</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Receiver (Enclosed 200 mm wiring)</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Remote Control</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Remote Control Holder</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Dry-cell Batteries</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No.</th>
<th>Accessories</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Users Manual</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Truss Self-Tapping Screws 4 X 16</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>Small screw</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Wood screw</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>Cable tie</td>
<td>1</td>
</tr>
</tbody>
</table>
2. Wireless Remote Controller

When using a separately installed receiver as an exposed model, attach it to a wall where the receiver can be affixed.

1. Put a slotted screwdriver or the like into the groove on the bottom of the receiver unit and twist it to remove the bottom of the case. (Fig. 3-25)

2. To enable the receiver’s wiring to stick out from the upper part of the case (thin part at center-top), use side-cutters or the like to cut a hole in the case big enough for the remote control cord (sold separately). (Fig. 3-26)

3. Disconnect the wires that were connected at shipment from the connector.

4. After installing the remote control cord (sold separately) at the position in Fig. 3-27 with the enclosed cable tie, connect it to the connector on the receiver.

5. Shape the remote control cord at the top of the PCB so it fits inside the receiver and after configuring the wiring like it is in Fig. 3-28, attach the lower case. When doing this, arrange the head of the cable tie so it face sideways.

6. Remove the face plate and use the wood screws (2) to install the receiver unit.

7. Use the cord clip that comes enclosed with the remote control cord to fasten it to the wall.

8. Attach the face plate.

---

**Fig. 3-25**

**Outlet in the upper part of the case for the remote control cord**

**Fig. 3-26**

**Fig. 3-27**

**Remote Control Cord (Sold Separately)**

**Cable tie (Enclosed)**

**About 2 to 3 mm**

**Connector**

**Remote Control Cord (Sold Separately)**

**Cable tie (Enclosed)**

**Fig. 3-28**

**Wood screws (2)**

**Receiver Unit**
2. Wireless Remote Controller

When using a receiver that has been installed separately into the ceiling, use the enclosed fittings for installing to a ceiling.

(1) Remove the metal plate of the receiver by slipping a slotted screwdriver or the like into the cutout on the bottom.
(2) Cut out a hole in the ceiling to match the dimensions of the enclosed template. (95 X 51 mm)
(3) Pass the wiring through the enclosed installation metal fitting and put it into the hole. (Fig. 3-29)
(4) Bend parts A and B of the metal fitting so they hold onto the ceiling firmly. (Fig. 3-30)
(5) Connect the receiver’s wiring (2 cores) with the wiring from the indoor unit. (Refer to the chapter on wiring the receiver)
   When wiring receivers, be sure to double-check the terminal numbers of the indoor unit before connecting them so there are no mistakes in the wiring. (Damage will occur if high voltage [e.g. supply voltage] is applied)
(6) Adjust the enclosed spacers so they are several millimeters thicker than the ceiling material and hold the receiver in place temporarily with the 2 enclosed small screws. (M4 X 40)
(7) Bend parts A and B back so they fit in the opening and are in the gap between the surface of the ceiling and the receiver; then tighten the screws. Do not use too much force when tightening the screws. Doing so may warp or damage the case.
   Move the receiver by hand and check that it can move just a little. (Fig. 3-31)
(8) Attach the face plate.

2-21. Wiring the Receiver

- Use wiring of 0.5 mm² to 2 mm² for field supply.
- Use a total wire length of no more than 400 m.
- Polarity does not matter.

If to be used as an embedded model:

- Wiring Diagram

   1. Strip the wire to be connected of its sheathing for 14 mm.
   2. Twist the two wires together and crimp the enclosed wire joint.
   3. If a special crimping tool is not used, or if the connection is made using solder, wrap the joint with insulating tape.
2. Wireless Remote Controller

If it is to be used as an exposed model:

- **Wiring Diagram**

  Terminal strip for wiring the remote control of the indoor unit

  ![Wiring Diagram](image)

  Remote Control Cord (Sold Separately)

  White → 1
  Black → 2

- Use remote control cord (sold separately) for wiring a separately installed receiver.

  1. For instructions on how to install a remote control cord (sold separately), refer to the chapter on Using as an Embedded Model in Installing Separate Receivers.
  2. If a remote control cord (sold separately) is to be used, refer to the Mounting Instructions attached to the remote control cord.

**NOTE**

1. When wiring remote controls, be sure to double-check the terminal numbers of the indoor unit connecting them so there are no mistakes in the wiring. (Damage will occur if high voltage [e.g. supply voltage] is applied.)
2. If the wiring to the operation panel is bundled together with other wiring, such as the incoming line from the power source, it can cause a malfunction, so avoid doing so.
3. If something causes the unit’s power source to make noise it will be necessary to resolve the problem, such as by installing a noise filter.

### 2-22. Setting Address Switches

- When more than one receiver and remote control are installed in the same room, setting up addresses allows them to avoid interfering with each other.
- Refer to the Users Manual for information on how to change the addresses of the remote controls.
- Changing the address of a receiver can be done after removing the screw to the receiver’s PCB cover.

Once the change is complete, put the cover back in place; while holding the wiring with the cable clamp, tighten its screw.

<table>
<thead>
<tr>
<th>Address Display on the Remote Control</th>
<th>ALL</th>
<th>1</th>
<th>2</th>
<th>.....</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Position of the Receiver’s Address Switch</td>
<td>It doesn’t matter where the receiver’s address switch is.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

### 2-23. Test Operation

**Implementing a Test Run**

1. Remove the face plate of the receiver’s PCB and turn the DIP switch to RUN/On (Down → Up) and operate the wireless remote control with its Start/Stop button.
2. During a test run, all display lamps on the display will light up.
3. During a test run, it is not possible to adjust the temperature.
4. After completing a test run, be absolutely sure to return the Test Run switch to OFF (Up → Down) and make sure none of the display lamps are blinking. Also, put the face plate back in place.

**NOTE**

1. This is hard on the device, so only use this for the test run.
2. After turning on the power, the unit will not receive any commands from the remote control for about 1 minute.
   This is not an error. (In fact it does receive signals, but they are cancelled.)
3. Make sure to operate while the indoor unit is stopped.
4. The address of indoor unit is set to "ALL" at the time of the shipment.
2. Wireless Remote Controller

■ CZ-RWSY2

2-24. Accessories

<table>
<thead>
<tr>
<th>No.</th>
<th>Accessories</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Receiver</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Remote Controller</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No.</th>
<th>Accessories</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Remote Control Holder</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>AAA alkaline batteries</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Tapping screw 4x16</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>Clamper</td>
<td>1</td>
</tr>
</tbody>
</table>

2-25. Installing the Receiver Unit

As the receiver can only be installed in the corner where the panel wire comes out, as shown in Fig. 3-32, consideration should be given to orientation when fitting the panel to the indoor unit.
1. Twist off the circled area shown in Fig. 3-32 with pliers or similar.
2. Remove the suction grille and corner cover. (Fig. 3-33)
3. Pass the wire from the wireless receiver through the grille. (Fig. 3-34)
4. Fit the panel to the indoor unit and connect the wire from the receiver to the connector (CN130/WL/WHT/10P) on the indoor control board. (Fig. 3-35)
5. After fixing the panel in place, fit the receiver to the panel taking care not to trap the wire from the receiver.
6. Clamp the receiver wire and panel wire together with the supplied clamper. (Fig. 3-35)
7. Insert the receiver wire and panel wire into the wire saddles. (Fig. 3-35)
   * Refer to the Users Manual supplied with the panel.

**NOTE**

1. Do not twist the receiver wire and the power lead-in wire together as this could lead to malfunction.
2. If the unit power source is affected by noise, install a noise filter or take similar measures.
2. Wireless Remote Controller

■ Common to All Models

2-26. The Self-Diagnosis Function Display and What is Detected

Alarm Display in the table below indicates the content of alarms that are displayed when a wired remote control is connected. For information on how to deal with the alarms, refer to the Mounting Instructions for the indoor unit or to Test Run or servicing materials.

<table>
<thead>
<tr>
<th>Error Detected</th>
<th>Alarm Display</th>
<th>WL Remote Control LED Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication error in the remote control circuit</td>
<td>E01–E03, E08–E14, E17, E18</td>
<td>🟪 / 🟪 / 🟪</td>
</tr>
<tr>
<td>Communication error either in the in/outdoor operation line or the sub-bus of the outdoor unit</td>
<td>E04–E07, E15, E16, E19–E31</td>
<td>🟪 / 🟪 / 🟪</td>
</tr>
<tr>
<td>Operation of indoor protection device</td>
<td>P01, P09–P14</td>
<td>🟪 / 🟪 / 🟪 Alternately</td>
</tr>
<tr>
<td>Operation of outdoor protection device</td>
<td>P02–P08, P15–P31</td>
<td>🟪 / 🟪 / 🟪 Alternately</td>
</tr>
<tr>
<td>Error in the indoor thermistor</td>
<td>F01–F03, F10–F11</td>
<td>🟪 / 🟪 / 🟪 Alternately</td>
</tr>
<tr>
<td>Error in the outdoor thermistor</td>
<td>F04–F09, F12–F28</td>
<td>🟪 / 🟪 / 🟪 Alternately</td>
</tr>
<tr>
<td>Error in the indoor EEPROM</td>
<td>F29</td>
<td>🟪 / 🟪 / 🟪 Simultaneously</td>
</tr>
<tr>
<td>Error in the outdoor EEPROM</td>
<td>F30, F31</td>
<td>🟪 / 🟪 / 🟪 Simultaneously</td>
</tr>
<tr>
<td>Error related to the compressor</td>
<td>H01–H31</td>
<td>🟪 / 🟪 / 🟪 Simultaneously</td>
</tr>
<tr>
<td>Error in indoor settings</td>
<td>L01–L03 L05–L09</td>
<td>🟪 / 🟪 / 🟪 Simultaneously</td>
</tr>
<tr>
<td>Error in outdoor settings</td>
<td>L04, L10–L31</td>
<td>🟪 / 🟪 / 🟪 Simultaneously</td>
</tr>
<tr>
<td>Inconsistency in Air/Heat (Including an auto-temp setting for a model without auto-temp settings)</td>
<td>🟪 / 🟪 / 🟪 Alternately</td>
<td></td>
</tr>
<tr>
<td>Oil Alarm (Same as operation of outdoor protection device)</td>
<td>🟪 / 🟪 / 🟪 Alternately</td>
<td></td>
</tr>
<tr>
<td>Test Run</td>
<td>🟪 / 🟪 / 🟪 Simultaneously</td>
<td></td>
</tr>
</tbody>
</table>

When using CZ-RWSC2

If you have either an outdoor maintenance remote control or a wired remote control and a service checker special wiring (623 178 5082: for service use) at hand, you can get more detailed information about an alarm by connecting one to the service connector as in the diagram. For information such as how to connect to receivers, etc., refer to the Users Manual that came attached with the service checker special wiring.

2-27. Room Temperature Sensor Settings

Common to All Models

- The indoor unit and the wireless remote control are equipped with indoor temperature sensors. The sensing of indoor temperature works via one of them.
- When the unit is shipped, it is set to the indoor unit, but to switch to the remote control, press the sensor button (diagram at right) inside the remote control’s cover and then check to make sure that Main Sensor on the LCD screen goes off.

**NOTE**

Even when the Sensor switch has been set to the remote control, if the unit does not receive any room temperature data from the remote control for ten minutes, it automatically switches back to the indoor unit sensor, so be sure to install the remote control facing the receiver.
2. Wireless Remote Controller

2-28. Setting Up Remote Control Functions

The functions of the wireless remote can be set on site.

(These settings are saved in nonvolatile memory in the remote control, so even when its batteries are changed, the settings do not revert to the defaults.)

NOTE

The operation of the air conditioner can be impacted, depending on the settings made, so only service personnel should make the settings. Furthermore, making changes to these settings may cause actual operation to deviate from what is printed in the Users Manual, so be sure to explain this to the customer fully.

Making Settings (Do with unit stopped)

(1) Holding down the Swing/Wind Direction + OFF Timer + Mode Select buttons at the same time for 4 or more seconds makes the Display switch to the setting screen. (See diagram below.)

(2) Use the Temperature setting buttons, , to select the number of the item to be set.

(3) Use the ON Timer buttons, , to change settings.

(4) The settings are saved with the Once/Every Day button. When this is done, the settings display of the LCD changes from blinking to light.

(5) If other settings are to be changed as well, repeat steps 2 to 4.

(6) When all settings have been made, press the Start/Stop button.

Example: Operation mode setting screen

<table>
<thead>
<tr>
<th>Item Number &amp; Setting Item</th>
<th>Setting Content</th>
<th>Setting when Shipped</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Operation Mode</td>
<td></td>
<td>A/ ◊</td>
</tr>
<tr>
<td>2 Flap Display</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Select Fan Speed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Display of Set Temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Time Display</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Ventilation Fan ON/OFF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 Cool temp Max</td>
<td>18 – 30°C</td>
<td>30</td>
</tr>
<tr>
<td>8 Cool temp Min</td>
<td>18 – 30°C</td>
<td>18</td>
</tr>
<tr>
<td>9 Heat temp Max</td>
<td>16 – 30°C</td>
<td>30 (Note 4)</td>
</tr>
<tr>
<td>10 Heat temp Min</td>
<td>16 – 30°C</td>
<td>16</td>
</tr>
<tr>
<td>11 Dry temp Max</td>
<td>18 – 30°C</td>
<td>30</td>
</tr>
<tr>
<td>12 Dry temp Min</td>
<td>18 – 30°C</td>
<td>18</td>
</tr>
<tr>
<td>13 Auto temp Max</td>
<td>17 – 27°C</td>
<td>27</td>
</tr>
<tr>
<td>14 Auto temp Min</td>
<td>17 – 27°C</td>
<td>17</td>
</tr>
<tr>
<td>16 Address Setting Max Value</td>
<td></td>
<td>00 (ALL only) → 01 – 31 06 (Note 5)</td>
</tr>
<tr>
<td>17 Heat temp Max ON/OFF</td>
<td>JP (Heater Max Temp Change Off) → EP (On)</td>
<td>JP</td>
</tr>
</tbody>
</table>

NOTE

(1) While the unit is in the swinging mode (Swing/Wind Direction), the flap cannot be stopped in a desired position.

(2) When Setting OFF is selected, °C ° is displayed on the LCD screen.

(3) You can toggle between ON and OFF by pressing Ventilation for 4 seconds or more.

(4) If the Heater Max ON/OFF setting is not changed to EP (ON), the setting change will not be reflected.

(5) This is the number of addresses that can be set in the address change mode. Do not set it to 07 or above.