

Installation Instructions

Infrared Receiver for U

Model No. **CZ-RWRU3**
CZ-RWRU3W

English

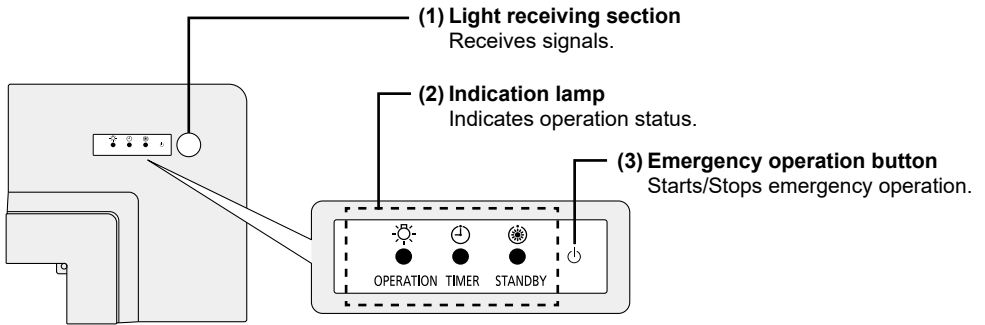
Read through the Installation Instructions before you proceed with the installation.

In particular, you will need to read under the “Safety Precautions” on page 3.

Contents




Part Names	2
Supplied accessories	2
Safety Precautions	3
Specifications	5
Installation Precautions	6
Wiring	7
Mounting	8
Setting	9
Address Setting	9
Test Operation	10
Self-diagnostics table and detected contents	11

Part Names



Supplied accessories

< >: Number of pieces

<p>Installation Instructions</p>  <p><1></p>	<p>Installation Instructions Disc</p>  <p><1></p>	<p>Clamper</p>  <p><1></p>
---	--	---

Read before installation

This receiver must be installed by the sales dealer or installer.

These instructions are all you need for most installation sites and maintenance conditions. If you require help for a special problem, contact our sales/service outlet or your certified dealer for additional instructions.

Safety Precautions

We assume no responsibility for accidents or damages resulting from methods other than those described in the installation instructions or methods without using specified parts.

Malfunctions that occurred due to the unauthorised installation methods are not covered by the product warranty.

- Read the installation instructions supplied with indoor units as well.
- After the installation is complete, perform test operation to confirm that no abnormality is present.
- When relocating or repairing this receiver, provide the Installation Instructions to the servicing personnel.
- Do not clean inside the receiver by users. Engage authorised dealer or specialist for cleaning.

WARNING

- Turn off the circuit breaker of the units before installation.
- This receiver shall be installed in accordance with National Wiring Regulations.
- Connect and fix the specified cables for wiring securely.
- Do not allow the connection to be exposed to the external force of the cables.
- Select an installation location which is rigid and strong enough to support or hold the receiver, and select a location for easy maintenance.
- This receiver must not be modified or disassembled under any circumstances. Modified or disassembled receiver may cause fire, electric shock or injury.



WARNING

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



CAUTION

This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

Safety Precautions



CAUTION

- Do not use the receiver at the following locations.
 - Location where flammable gases, etc. may leak
 - Location where corrosive gases, etc. may leak
 - Location with lots of water or oil droplets (including machine oil)
 - Location where droplets of organic solvents spread
 - Location where acidic or alkaline solutions or special sprays are frequently used
- Do not wash with water.
- Do not operate with wet hands.

NOTICE

The English text is the original instructions. Other languages are translation of the original instructions.

Specifications

Model No.	CZ-RWRU3 / CZ-RWRU3W
Dimensions	(H) 29.7 mm × (W) 211.8 mm × (D) 211.8 mm
Weight	160 g
Temperature / Humidity range	0 °C to 40 °C / 20% to 80% (No condensation) *Indoor use only.
Power Source	DC16 V (supplied from indoor unit)

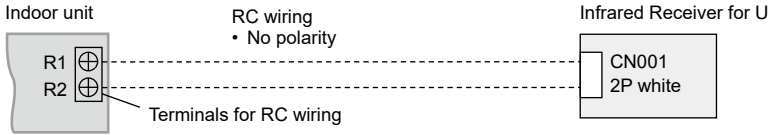
Installation Precautions

- The receiver 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 indoor 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
- Do not bundle together with the power source wiring or store in the same metal tube. Operation error may occur.
- Be careful not to connect cables to other terminals of indoor units (e.g. power source wiring terminal). Malfunction may occur.
- Avoid the following locations for installation.
 - Location where condensation occurs
 - Location where voltage fluctuation frequently occurs
 - Location where there is a machine producing electromagnetic radiation

Wiring

Connect the wires from the receiver to the terminals for RC wiring on the indoor unit.

Wiring Diagram



Installation when setting Main/Sub for the remote controller and the receiver

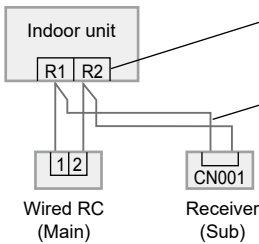
It is possible to operate one or more indoor units using two remote controllers.

After installation, set one to [Main] and the other to [Sub].

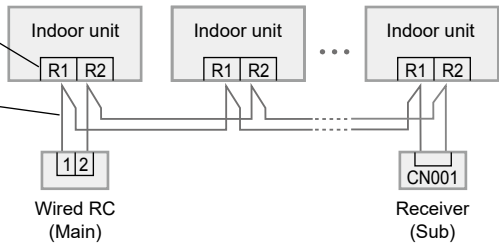
When using the infrared remote controller and the wired remote controller in combination, set the wired remote controller to [Main].

<Installation example>

■ Using 1 indoor unit



■ Using more than 1 indoor unit



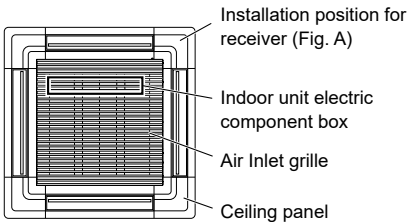
Note

- The receiver can be connected to any indoor unit for operation.
- Multiple infrared remote controllers cannot be used simultaneously for a single indoor unit.
- Wiring connected via remote controllers is prohibited.
- Also see the "Installation Instructions" supplied with the indoor unit or wired remote controller when performing remote control with the main and sub remote controllers or group-controlling.

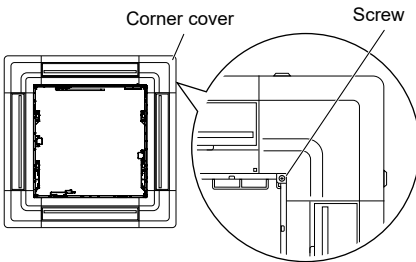
Mounting

The receiver can be installed only on the corner shown in Fig. A. Consider the direction where the panel is attached to the indoor unit.

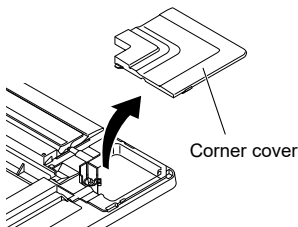
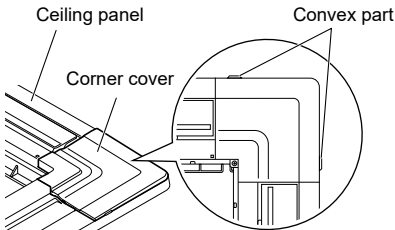
1 Remove the air inlet grille.



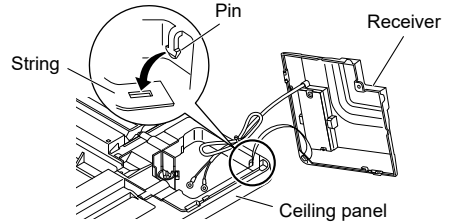
2 Remove the screw fixing the corner cover.



3 Place a hand on both the right and left convex parts of the corner cover to remove it.



4 Hang the string of the receiver on the pin of the ceiling panel.



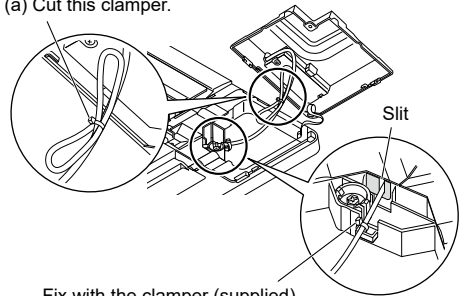
5 Pass the wiring from the receiver section into the slit.

For more wiring information, see the section "Wiring".

6 Fix the wiring with the clasper (supplied) while leaving enough length of wiring to remove the receiver.

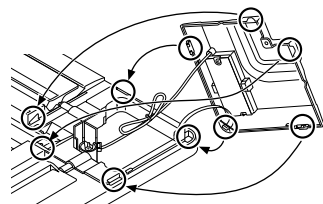
- When attaching the filter chamber, cut the clasper (a), and attach the receiver.

(a) Cut this clasper.



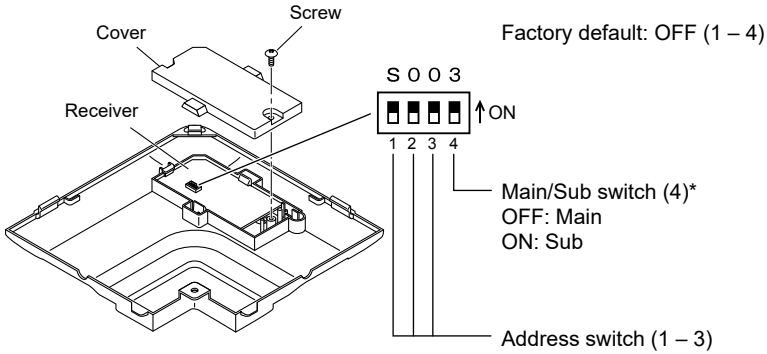
7 Fit the receiver to the ceiling panel so the 5 claws are properly set, and fix it with the removed screw.

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



Setting

Before installing the receiver, check the settings of the receiver address switches.
Remove the cover from the receiver when performing the settings.



* When using the infrared remote controller and the wired remote controller in combination, set the wired remote controller to [Main].

Address Setting

- When more than 1 receiver is installed in the same room, setting addresses prevents interference.
- For how to change addresses of infrared remote controllers, see the operating instructions of infrared remote controllers.

Infrared remote controller address display	Address ALL	Address 1	Address 2	Address 3	Address 4	Address 5	Address 6	ON/OFF States
Infrared receiver address switch positions	Receiving is possible at all address positions.							

Test Operation

Preparation: Turn on the circuit breaker of units and then turn the power on. After the power is turned on, infrared remote controller operation is ignored for approx. 1 minute because setting is being made. This is not malfunction. (Contents received while setting are disabled.)

- 1 Press and hold the emergency operation button for 10 seconds.
- 2 The indication lamps (OPERATION, TIMER, STANDBY) blink during test operation.
- 3 To finish test operation, press and hold the emergency operation button for 10 seconds.

Attention

- Do not use this mode for purposes other than the test operation.
(To prevent overload of the units)
- Read the installation instructions supplied with the units.
- The test operation can be performed in Heat or Cool mode.
- Temperature cannot be changed.
- The test operation mode is automatically turned off in 60 minutes.
(To prevent continuous test operation)
- Outdoor units do not operate for approx. 3 minutes after the power is turned on or operation is stopped.

Test Operation

Self-diagnostics table and detected contents

The “Alarm Display” shown in the table below expresses the alarm contents displayed when the wired remote controller is connected. For how to handle the alarms, see installation instructions of indoor units, “Service Manual”, “Test Run Service Manual” or “Technical Data”.

Detected contents	Alarm Display	Indication lamp on the receiver			
		OPERATION	TIMER	STANDBY	Blinking
Communication error in the remote controller circuit	E01–E03, E08–E14, E17, E18	○	●	●	
Communication error either in the in/outdoor operation line or the sub-bus of the outdoor unit	E04–E07, E15, E16, E19–E31	●	●	○	
Operation of indoor protection device	P01, P09–P14	●	○	○	Alternately
Operation of outdoor protection device	P02–P08, P15–P31	○	●	○	Alternately
Error in the indoor thermistor	F01–F03, F10–F11	○	○	●	Alternately
Error in the outdoor thermistor	F04–F09, F12–F28	○	○	○	Alternately
Error in the indoor EEPROM	F29	○	○	●	Simultaneously
Error in the outdoor EEPROM	F30, F31	○	○	○	Simultaneously
Error related to the compressor	H01–H31	●	○	●	
Error in indoor settings	L01–L03, L05–L09	○	●	○	Simultaneously
Error in outdoor settings	L04, L10–L31	○	○	○	Simultaneously
Error in the gas heat pump air conditioner	A01–A31	●	○	○	Simultaneously
Inconsistency in Cooling/Heating (Including an auto-temp setting for a model without auto-temp settings)		○	○	○	Alternately
Oil alarm (Same as operation of outdoor protection device)		○	●	○	Alternately
Auto addressing in progress (when it is performed with an infrared remote controller)					Sequentially
Test operation		○	○	○	Simultaneously

●: OFF ○: ON (Illuminated) ○: Blinking (0.5 seconds interval)

Disposal of Old Equipment

Only for European Union and countries with recycling systems



This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products must not be mixed with general household waste.

For proper treatment, recovery and recycling of old products, please take them to applicable collection points in accordance with your national legislation.

By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment. For more information about collection and recycling, please contact your local municipality.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.