

INSTALLATION MANUAL FOR REMOTE CONTROL
RC-ES1

PJZ012D155A

202403



1. Safety precautions

- Please read this manual carefully before starting installation work to install the unit properly. Every one of the followings is important information to be observed strictly.
- ⚠ **WARNING** Failure to follow these instructions properly may result in serious consequences such as death, severe injury, etc.
- ⚠ **CAUTION** Failure to follow these instructions properly may cause injury or property damage. It could have serious consequences depending on the circumstances.
- The following pictograms are used in the text.

	Never do.		Always follow the instructions given.
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- Keep this manual at a safe place where you can consult with whenever necessary. Show this manual to installers when moving or repairing the unit. When the ownership of the unit is transferred, this manual should be given to a new owner.

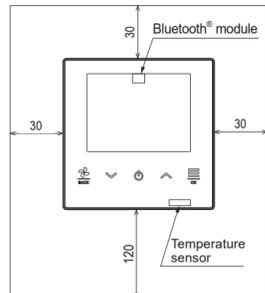
WARNING

- ⚠ **Consult your dealer or a professional contractor to install the R/C.**
Improper installation made on your own may cause electric shocks, fire or dropping of the R/C.
- ⚠ **Installation work should be performed properly according to this installation manual.**
Improper installation work may result in electric shocks, fire or break-down.
- ⚠ **Be sure to use accessories and specified parts for installation work.**
Use of unspecified parts may result in drop, fire or electric shocks.
- ⚠ **Install the R/C properly to a place with sufficient strength to hold the weight.**
If the place is not strong enough, the R/C may drop and cause injury.
- ⚠ **Be sure to have the electrical wiring work done by qualified electrical installer, and use exclusive circuit.**
Power source with insufficient and improper work can cause electric shock and fire.
- ⚠ **Shut OFF the main power supply before starting electrical work.**
Otherwise, it could result in electric shocks, break-down or malfunction.
- ⊘ **Do not modify the R/C.**
It could cause electric shocks, fire, or break-down.
- ⚠ **Be sure to turn OFF the power circuit breaker before repairing/inspecting the R/C.**
Repairing/inspecting the R/C with the power circuit breaker turned ON could cause electric shocks or injury.
- ⊘ **Do not install the R/C in appropriate environment or where inflammable gas could generate, flow in, accumulate or leak.**
If the R/C is used at places where air contains dense oil mist, steam, organic solvent vapor, corrosive gas (ammonium, sulfuric compound, acid, etc) or where acidic or alkaline solution, special spray, etc. are used, it could cause electric shocks, break-down, smoke or fire as a result of significant deterioration of its performance or corrosion.
- ⊘ **Do not install the R/C where water vapor is generated excessively or condensation occurs.**
It could cause electric shocks, fire, or break-down.
- ⊘ **Do not use the R/C in a place where it gets wet, such as laundry room.**
It could cause electric shocks, fire, or break-down.
- ⊘ **Do not operate the R/C with wet hands.**
It could cause electric shocks.
- ⊘ **Do not wash the R/C with water.**
It could cause electric shocks, fire, or break-down.
- ⚠ **Use the specified cables for wiring, and connect them securely with care to protect electronic parts from external forces.**
Improper connections or fixing could cause heat generation, fire, etc.
- ⚠ **Seal the inlet hole for R/C cable with putty.**
If dew, water, insect, etc. enters through the hole, it could cause electric shocks, fire or break-down. If dew or water enters the unit, it may cause screen display anomalies.

3. Installation place

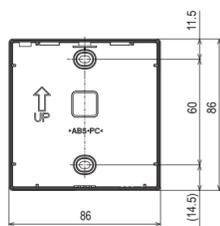
Secure the installation space shown in the figure.

<Installation space>



Secure minimum spaces for disassembling the case.
Top, left and right sides ... 30mm or more
Bottom side*120mm or more
*If using L-shaped screwdriver, 50mm or more is available.

<Dimension>

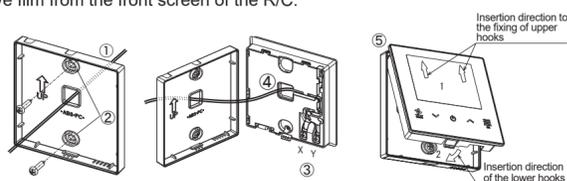


Fix the lower case on the wall by using screws.
See the above diagram for the fixing position.

4. Installation procedure

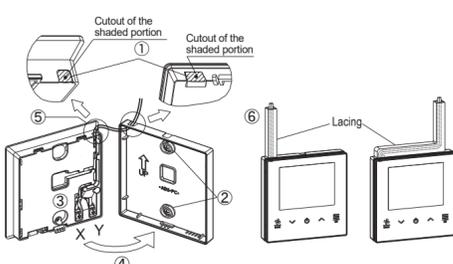
<When the wirings are retrieved "Backward">

- 1 Embed the junction box* and the R/C wirings beforehand.
* Not necessary if not used
- 2 When wirings are passed through the lower case, fix the lower case at 2 places on the junction box*.
* If not used, fix the case directly on the wall
- 3 Connect wirings from X and Y terminals of R/C to X and Y terminals of indoor unit.
The R/C wirings (X, Y) have no polarity. After connecting them to the terminals, store them in wiring guides. Ensure that the wirings do not get stuck with the case.
- 4 Seal the inlet hole for the R/C wirings with putty.
- 5 Install the upper case with care not to pinch wirings of R/C. Ensure that the upper and lower case fit completely.
- 6 Remove the protective film from the front screen of the R/C.



<When the wirings are taken out from the "upper left" of R/C>

- 1 Cut out the thin wall sections on the cases.
Take care not to damage the PCB and not to leave any chips of cut thin wall inside.
- 2 Fix the lower R/C case on a flat surface with two wood screws.
- 3 Connect wirings from X and Y terminals of R/C to X and Y terminals of indoor unit.
The R/C wirings (X, Y) have no polarity. After connecting them to terminals, store them in wiring guides. Ensure that the wirings do not get stuck.
- 4 Install the upper case with care not to pinch wirings of R/C.
- 5 Seal the inlet hole for the R/C wirings with putty.
- 6 Attach the lacing to the wirings running on the wall.
- 7 Remove the protective film from the front screen of the R/C.



- WARNING**
- ⚠ **When installing the R/C at a hospital, telecommunication facility, etc., take measures to suppress electric noises.**
It could cause malfunction or break-down due to hazardous effects on the inverter, private power generator, high frequency medical equipment, radio communication equipment, etc. The influences transmitted from the R/C to medical or communication equipment could disrupt medical activities, video broadcasting or cause noise interference.
 - ⊘ **If you have a cardiac pacemaker or implantable cardioverter defibrillator, keep at least 15 cm away from the R/C.**
It could cause the malfunction of medical devices.
 - ⊘ **Do not install the R/C near automatic control equipment such as an automatic door or fire-alarm device.**
Such improper installation may cause an accident due to malfunction of equipment.
 - ⚠ **Do not leave the R/C with its upper case removed.**
If dew, water, insect, etc. enters through the hole, it could cause electric shocks, fire or break-down.

- CAUTION**
- ⊘ **Do not install the R/C at following places.**
 - (1) It could cause break-down or deformation of R/C.
 - Where it is exposed to direct sunlight
 - Where the ambient temperature becomes 0 °C or below, or 40 °C or above
 - Where the surface is not flat
 - Where the strength of installation area is insufficient
 - (2) Moisture may be attached to internal parts of the R/C, resulting in a display failure.
 - Place with high humidity where condensation occurs on the R/C
 - Where the R/C gets wet
 - (3) Accurate room temperature may not be detected using the temperature sensor of the R/C.
 - Where the average room temperature cannot be detected
 - Place near the equipment to generate heat
 - Place affected by outside air in opening/closing the door
 - Place exposed to direct sunlight or wind from air conditioner
 - Where the difference between wall and room temperature is large
 - ⚠ **The communication distance between the R/C and the smartphone could be decreased.**
When there are obstructions, shielding objects, or radio wave interference with other devices.

2. Accessories & Prepare on site

Following parts are provided.

Accessories	R/C main unit, wood screw (ø3.5 x 16) 2 pcs, Quick reference, Sheet installation (this document)
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Following parts are arranged at site.

Prepare them according to the respective installation procedures.

Item name	Q'ty	Remark
European standard junction box	1	This is not required when installing directly on a wall. If not embedding the box in a wall, it shall be insulating material of at least 1mm thick for supplementary insulation.
Lacing (JIS C8425 or equivalent)	As required	Necessary to run R/C cable on the wall. This is required when the R/C cable is run on a wall. It shall be insulating material of at least 1mm thick for supplementary insulation.
Putty	Suitably	For sealing gaps
Molly anchor	As required	
R/C cable (0.3 mm ² x 2 pcs)	As required	See right table when longer than 100 m

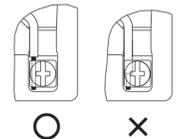
When the cable length is longer than 100 m, the max size for wiring used in the R/C case is 0.5 mm². Connect them to wirings of larger size near the outside of R/C. When wirings are connected, take measures to prevent water, etc. from entering inside.

≤ 200 m	0.5 mm ² x 2-core
≤ 300 m	0.75 mm ² x 2-core
≤ 400 m	1.25 mm ² x 2-core
≤ 600 m	2.0 mm ² x 2-core

Cautions for wiring connection

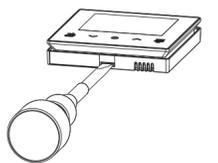
- Use wirings of no larger than 0.5 mm² for wiring running through the R/C case. Take care not to pinch the sheath.
- Tighten the wiring connection by hand (0.7N·m or less).
- Do not tighten it by electric driver. It may cause failure or deformation.

Remove the coating. Approx. 8mm



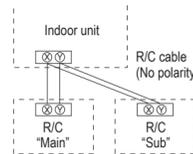
To disassemble the R/C case into the upper and lower cases.

- With a flathead screwdriver inserted into the concave portion in the lower part of the R/C, open the upper case. It is recommended that the tip of the screwdriver be wrapped with tape to avoid damaging the case.
- Be careful not to injure your hand on the wall.
- Take care to protect the removed upper case from moisture or dust.



5. Main/Sub setting when more than one remote controls are used

Up to two units of R/C can be used at the maximum for 1 indoor unit or 1 group. One is main R/C and the other is sub R/C. Operating range is different depending on the main or sub R/C.



Set the "Main" and "Sub" as described at Section 8.

R/C operations	Main	Sub
TOP screen		
Run/Stop	○	○
Set temp	○	○
Fan speed	○	○
Operation settings		
Operation mode	○	○
High power	○	○
Ventilation	○	○
Set ON/OFF timer by hour	○	○
Set ON/OFF timer by clock	○	○
Upper/lower flap	○	○
Zone ON/OFF	○	○
Left/right flap	○	○
Common settings		
Bluetooth		
Bluetooth ON/OFF	○	○
Pairing mode	○	○
QR code for the app	○	○
Display & sound		
Backlight brightness	○	○
Backlight lighting time	○	○
Operation sound	○	○
Language	○	○
R/C operations		
Maintenance mode		
IU address	○	○
Main/Sub of R/C	×	○
IU capacity	○	○
Error history	○	○
Saving IU settings	○	○
Special settings		
Delete IU address	○	×
CPU reset	○	○
Factory reset	○	×
Test run		
Cooling test run	○	×
Drain pump test run	○	×
Installation date	○	×

○ : operable × : not operable

*These charts do not indicate all the functions.

Advice: Operation by smartphone application

Installing the dedicated app enables you to configure more detailed settings in addition to those shown on the above charts using your own smartphone. The app is free of charge, but downloading the app and some operations may require communication charges. Download the app from "Google Play™" or "AppStore". Refer to section 9 for details on how to operate the R/C.



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