

3.3 Installation manual for wired remote controller

PJZ012D077 

(a) Model : RC-EX1A(Option parts)

1 . Safety Precautions

This installation manual describes the installation methods and precautions related to the remote control. Use this manual together with the user's manuals for the indoor unit, outdoor unit and other optional equipment. Please read this manual carefully before starting the installation work to install the unit properly.

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, the "Installation Manual" should be given to a new owner.

WARNING

Ask a professional contractor to carry out installation work according to the installation manual.

Improper installation work may result in electric shocks, fire or break-down.



Shut OFF the main power supply before starting electrical work.

Otherwise, it could result in electric shocks, break-down or malfunction.



Do not install the unit in appropriate environment or where inflammable gas could generate, flow in, accumulate or leak.

If the unit 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 unit where water vapor is generated excessively or condensation occurs.

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 remote control cable with putty.

If dew, water, insect, etc. enters through the hole, it could cause electric shocks, fire or break-down.



When installing the unit 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 remote control to medical or communication equipment could disrupt medical activities, video broadcasting or cause noise interference.



 CAUTION**Do not install the remote control at following places.**

It could cause break-down or deformation of remote control.

- (1) Where it is exposed to direct sunlight
- (2) Near the equipment to generate heat
- (3) Where the surface is not flat



Do not leave the remote control with its upper case removed.

When the upper case is removed, put it in a packing box or packing bag to protect internal PCBs or other parts from dust, moisture, etc.



Request

Be sure not to install R/C at a place where temperatures around the installation surface of R/C may differ largely from actual room temperature.

Difference between detected temperature and actual room temperature could cause troubles.

The correction for detected temperature by the R/C cannot offset such temperature difference because it corrects the detected temperatures itself.



Request

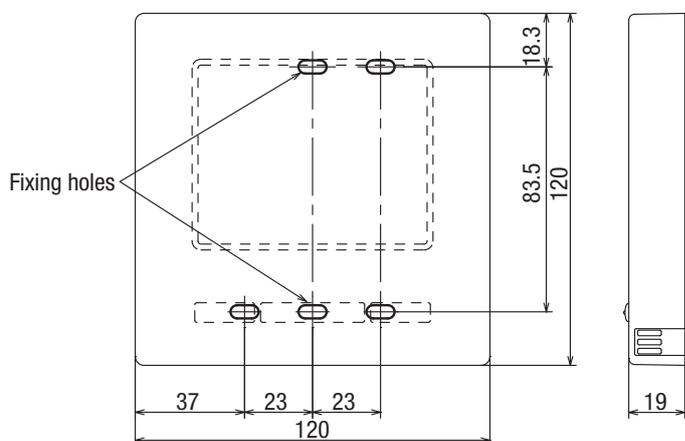
Do not install the R/C at a place where it is exposed to direct sunlight or where surrounding air temperature exceeds 40°C or drops below 0°C.

It could cause discoloration, deformation, malfunction or breakdown.

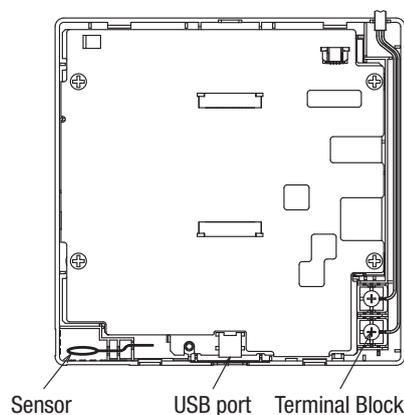


Installation procedure

Dimensions (Viewed from front)



PCB side (Viewed from rear)



- ① To remove the upper case from the bottom cases of R/C
 - Insert the tip of flat head screwdriver or the like in the recess at the lower part of R/C and twist it lightly to remove.

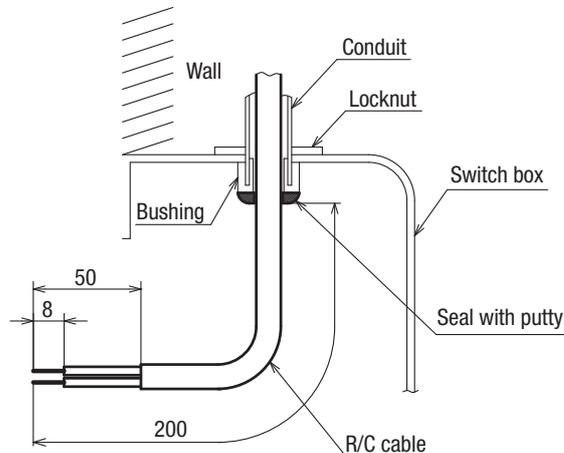
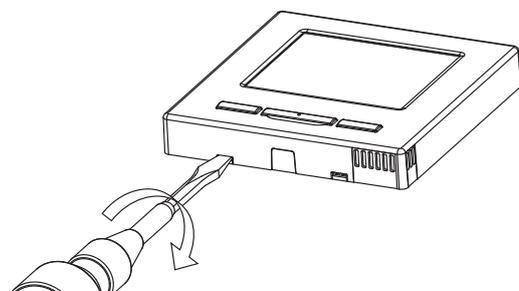
Take care to protect the removed upper case from moisture or dust.

- ② Connect wires from X and Y terminals of R/C to X and Y terminals of indoor unit.
R/C wires (X, Y) have no polarity.

In case of embedding wiring (When the wiring is retrieved "Backward")

- ③ Embed the switch box and the R/C wires beforehand.

Seal the inlet hole for the R/C wiring with putty.
 If dust or insect enters, it could cause electric shocks, fire or breakdown.



2 . Accessories & Prepare on site

Accessories	R/C main unit, wood screw (ø3.5 x 16) 2 pcs User's Manual, Installation Manual
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Parts procured at site

Item name	Q'ty	Remark
Switch box For 1 piece or 2 pieces (JIS C8340 or equivalent)	1	These are not required when installing directly on a wall.
Thin wall steel pipe for electric appliance (JIS C8305 or equivalent)	As required	
Lock nut, bushing (JIS C8330 or equivalent)	As required	
Lacing (JIS C8425 or equivalent)	As required	Necessary to run R/C cable on the wall.
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 wires used in the R/C case is 0.5 mm². Connect them to wires of larger size near the outside of R/C. When wires 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

3. Remote control installation procedure

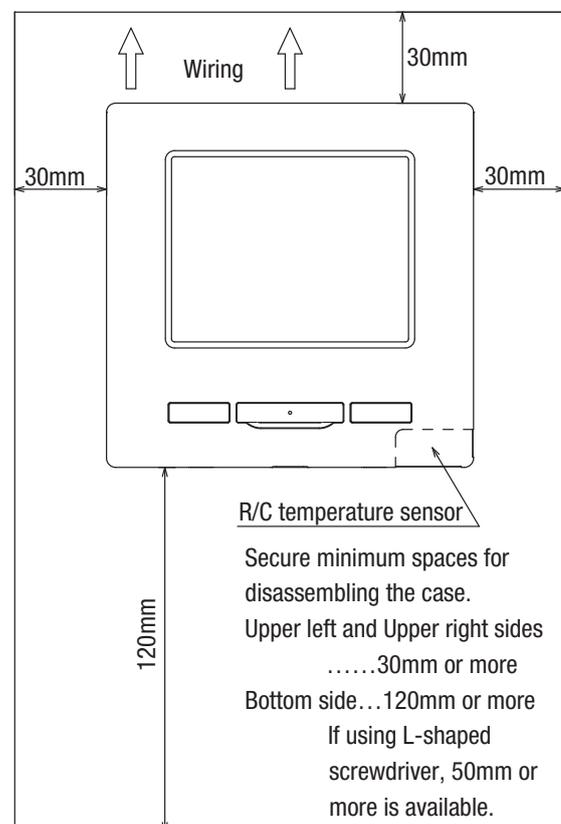
Determine where to install the remote control

Installation	“Using a switch box” “Installed directly on a wall”
Wiring direction	“Backward” “Upper center”, “Upper left”

Cautions for selecting installation place

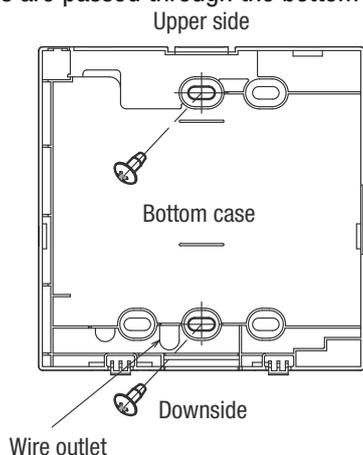
- Installation surface must be flat and sufficiently strong.
R/C case must not be deformed.
- Where the R/C can detect room temperatures accurately.
This is a must when detecting room temperatures with the temperature sensor of R/C.
 - Install the R/C where it can detect the average temperature in the room.
 - Install the R/C separated from a heat source sufficiently.
 - Install the R/C where it will not be influenced by the turbulence of air when the door is opened or closed.
 Select a place where the R/C is not exposed to direct sunlight or blown by winds from the air conditioner or temperatures on the wall surface will not deviate largely from actual room temperature.

Installation space

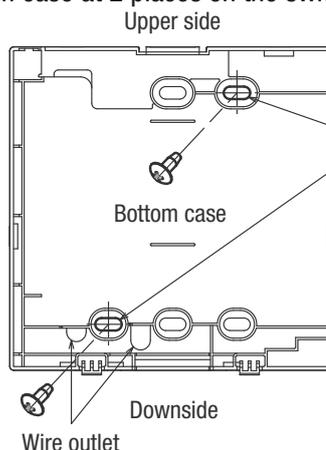


④ When wires are passed through the bottom case, fix the bottom case at 2 places on the switch box.

Switch box for 1 pc



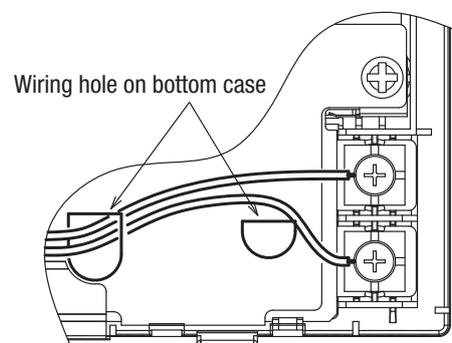
Switch box for 2 pcs



Cut out the thin wall part at the screw mounting section with a knife or the like before tightening the screw.

- ⑤ When fixing the bottom case diagonally at 2 places, cut out the thin wall section on the case.
- ⑥ Fix wires such that the wires will run around the terminal screws on the top case of R/C.

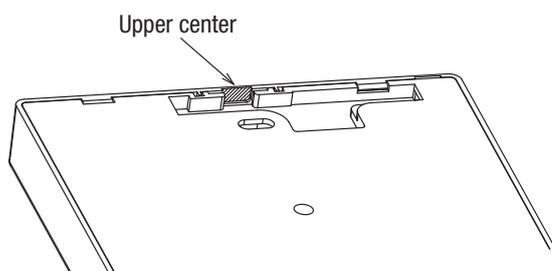
Cautions for wire connection
 Use wires of no larger than 0.5 mm² for wiring running through the remote control case. Take care not to pinch the sheath.
 Tighten by hand (0.7 N·m or less) the wire connection. If the wire is connected using an electric driver, it may cause failure or deformation.



⑦ Install the upper case with care not to pinch wires of R/C.

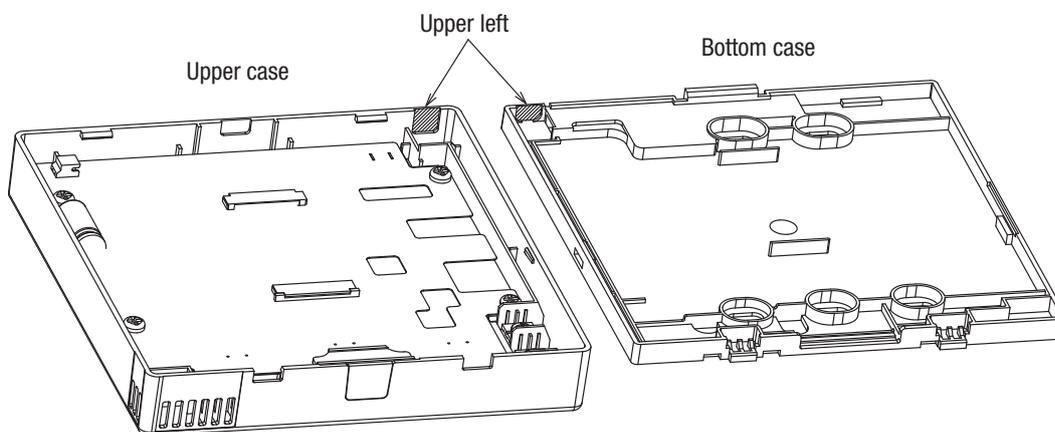
In case of exposing wiring (When the wiring is taken out from the “upper center” or “upper left” of R/C)

③ Cut out the thin wall sections on the cases for the size of wire.



When taking the wiring out from the upper center, open a hole before separating the upper and bottom cases. This will reduce risk of damaging the PCB and facilitate subsequent work.

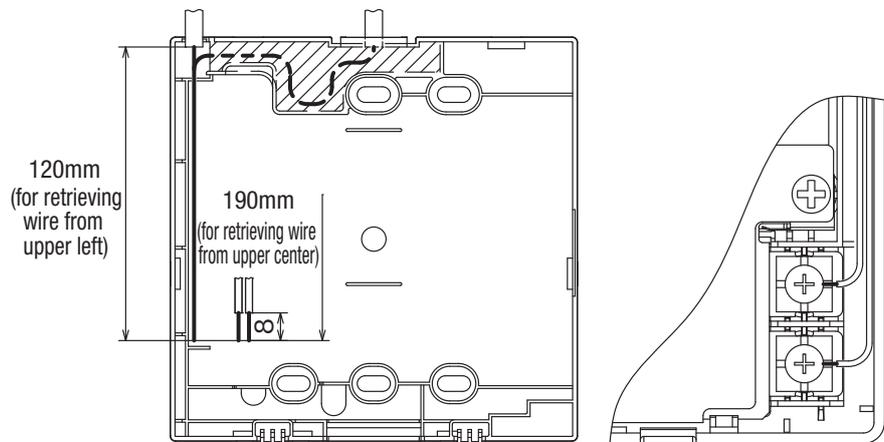
When taking the wiring out from the upper left, take care not to damage the PCB and not to leave any chips of cut thin wall inside.



If the hole is cut too large, moisture, dust or insects may enter.
Seal gaps with putty or the like.



- ④ Fix the bottom R/C case on a flat surface with wood screws.
- ⑤ In case of the upper center, pass the wiring behind the bottom case. (Hatched section)
- ⑥ Fix wires such that the wires will run around the terminal screw of the top case of R/C.
- ⑦ Install the top case with care not to pinch wires of R/C.



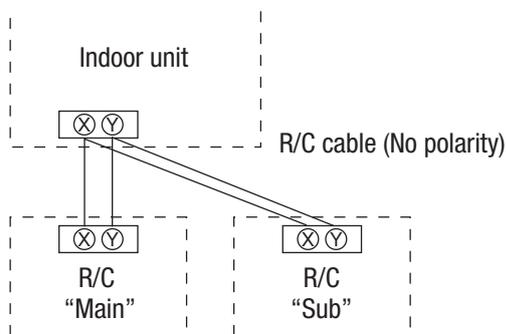
Main/Sub setting when more than one remote control are used

Main-Sub setting for use of two or more R/Cs

Up to two units of R/C can be used at the maximum for 1 indoor unit or 1 group.

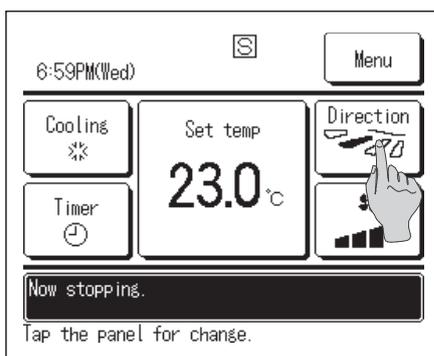
One is main R/C and the other is sub R/C.

Operating range is different depending on the main or sub R/C.



Set the "Main" and "Sub" as described at Section 7.

R/C function	Main	Sub
Run/Stop, setting temperature, fan speed and flap direction operations	<input type="radio"/>	<input type="radio"/>
High power and energy-saving operations	<input type="radio"/>	<input type="radio"/>
Energy-saving setting	<input type="radio"/>	—
R/C sensor	<input type="radio"/>	—
Test run menu operation	<input type="radio"/>	—
Room temperature range setting	<input type="radio"/>	—
Indoor unit settings	<input type="radio"/>	—
Individual flap control	<input type="radio"/>	—
Operation data display	<input type="radio"/>	—
Error history display	<input type="radio"/>	<input type="radio"/>



Note: Connection to personal computer

It can be set from a personal computer via the USB port (mini-B).
Connect after removing the cover for USB port of upper case.

Replace the cover after use.

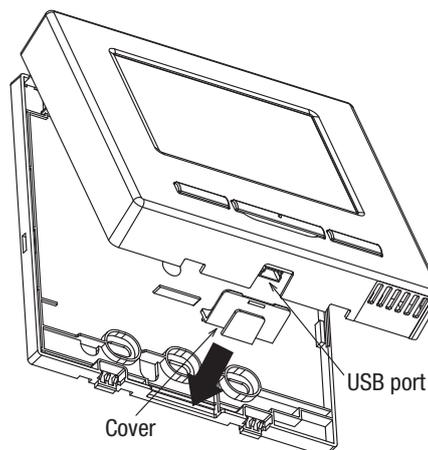
If dust, insect, etc. enters, it could cause electric shocks or breakdown.



Special software is necessary for the connection.
For details, view the web site or refer to the engineering data.

Do not connect to a personal computer without using the special software.

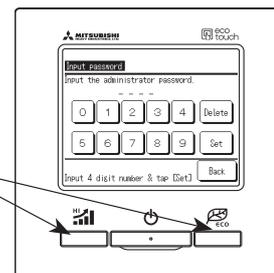
Do not connect the personal computer to the USB simultaneously with other USB devices.
It could cause malfunction or breakdown of R/C or personal computer.



Note: Initializing of password

Administrator password (for daily setting items) and service password (for installation, test run and maintenance) are used.

- The administrator password at factory default is “0000”. This setting can be changed (Refer to User's Manual). When the administrator password is forgotten, it can be initialized, if the [Highpower] and the [Energy-saving] buttons are pushed simultaneously for 5 seconds on the administrator password input screen.
- Service password is “9999”, which cannot be changed.
When the administrator password is input, the service password is also accepted.

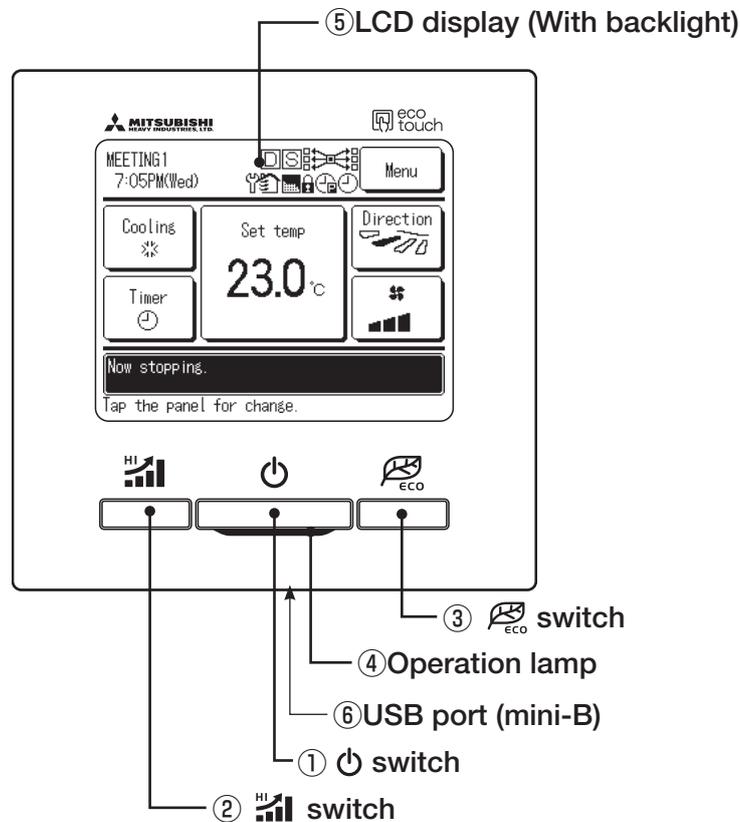


Note: Combination of R/C and indoor unit

- (1) It can be used as the combination of Main and Sub with RC-E3 to -E5 type of wireless R/C (optional part).
- (2) It can be combined with FD-V or FD-KX E6 type and later types of indoor units
- (3) In cases of combination with FD-V or FD-KX E6 type unit, there are some controlling items which cannot be used.
If operating such items, the message “Invalid request” is displayed.

4. Functions and menu items of Remote control

Names and functions of sections on R/C (Operating section)



Touch panel system, which is operated by tapping the LCD screen with a finger, is employed for any operations other than the ① Run/Stop, ② High power and ③ Energy-saving switches.

① switch

One push on the button starts operation and another push stops operation. (★)

② switch

Pushing this button starts the high-power operation. (★)

③ switch

Pushing this button starts the energy-saving operation. (★)

④ Operation lamp

This lamp lights in green (yellow-green) during operation. It changes to red if any error occurs.

⑤ LCD (With backlight)

A touch on the LCD lights the backlight. The backlight turns off automatically if there is no operation for certain period of time. Duration of the backlight lighting can be changed. (★)

When the backlight is setting ON, if the screen is tapped while the backlight is turned off, the backlight only is turned on. (Operations of switches ①, ② and ③ are excluded.)

⑥ USB port

USB connector (mini-B) allows connecting to a personal computer.

For operating methods, refer to the User's manual attached to the software for personal computer (Utility software of Eco-touch remote control RC-EX1)

Request

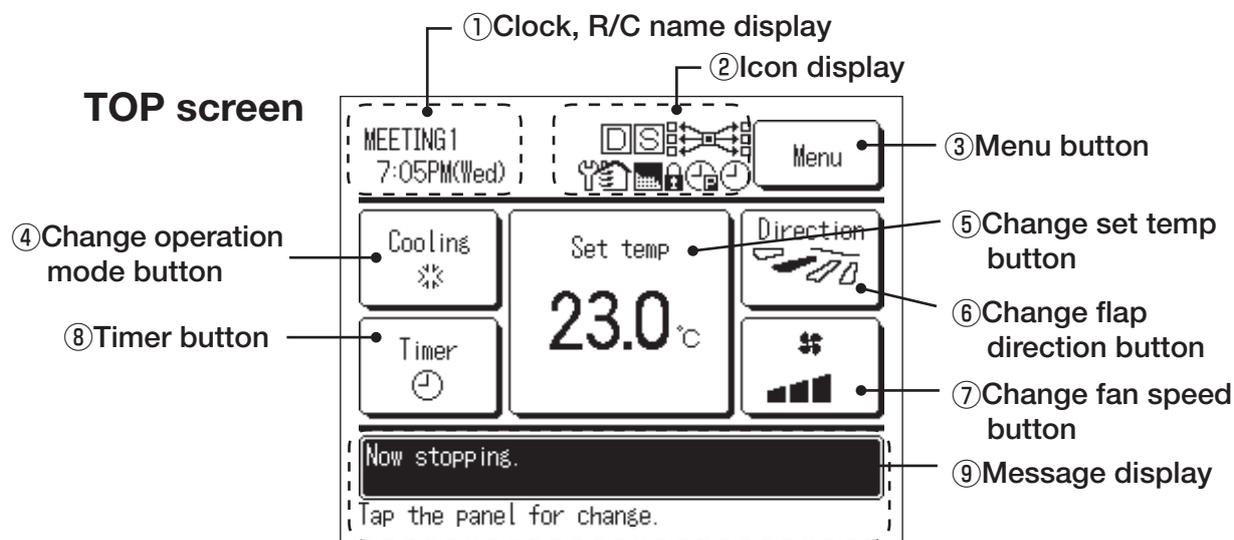
• When connecting to a personal computer, do not connect simultaneously with other USB devices.

Please be sure to connect to the computer directly, without going through a hub, etc.

★ See User's manual for details.

Names and functions of sections on R/C (Display)

* All icons are shown for explanation.



① Clock, R/C name display

Displays the current time (★) and the name of R/C (★)

② Icon display

Each icon is displayed when one of following settings is going on.



When the peak-cut timer is set.



When setting is made from the sub R/C. (★)



When the central control (Optional) is running.



When the periodical inspection is necessary. (★)



During the ventilation operation (★)



When "filter sign" is up. (★)



When the Permission/Prohibition setting is made. (★)



When the weekly timer is set. (★)



When the peak-cut timer is set. (★)

③ Menu button

When setting or changing other than the following ④ – ⑧, touch the menu button. When menu items are displayed, select one and set.

④ Change operation mode button (★)

Displays the operation mode which is selected currently. Tap this button to change the operation mode.

⑤ Change set temp button (★)

Displays the temperature which is set currently. Tap this button to change the set temperature.

⑥ Flap direction button (★)

Displays the flap direction which is selected currently. Tap this button to change the flap direction.

⑦ Fan speed change button (★)

Displays the fan speed which is selected currently. Tap this button to change the fan speed.

⑧ Timer button (★)

Displays simplified contents of the timer which is set currently. (When two or more timers are set, a content of the timer which will be operated immediately after is displayed.) Tap this button to set the timer.

⑨ Message display

Operation status of air conditioner and messages related to R/C operations, etc, are displayed.

★ See User's manual for details.

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(b) Model : RC-E5(Option parts)

Read together with indoor unit's installation manual.

⚠ WARNING

- Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal.
Loose connection or hold will cause abnormal heat generation or fire. !
- Make sure the power supply is turned off when electric wiring work.
Otherwise, electric shock, malfunction and improper running may occur. !

⚠ CAUTION

- DO NOT install the remote controller at the following places in order to avoid malfunction.

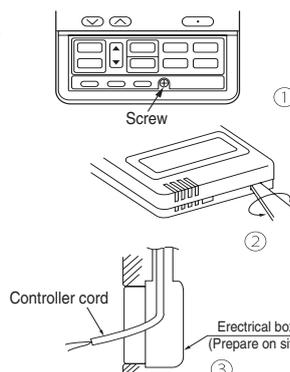
(1) Places exposed to direct sunlight	(4) Hot surface or cold surface enough to generate condensation
(2) Places near heat devices	(5) Places exposed to oil mist or steam directly
(3) High humidity places	(6) Uneven surface

⊘
- DO NOT leave the remote controller without the upper case.
In case the upper case needs to be detached, protect the remote controller with a packaging box or bag in order to keep it away from water and dust. ⊘

Accessories	Remote controller, wood screw (ø3.5×16) 2 pieces
Prepare on site	Remote controller cord (2 cores) the insulated thickness in 1mm or more. [In case of embedding cord] Electrical box, M4 screw (2 pieces) [In case of exposing cord] Cord clamp (if needed)

Installation procedure

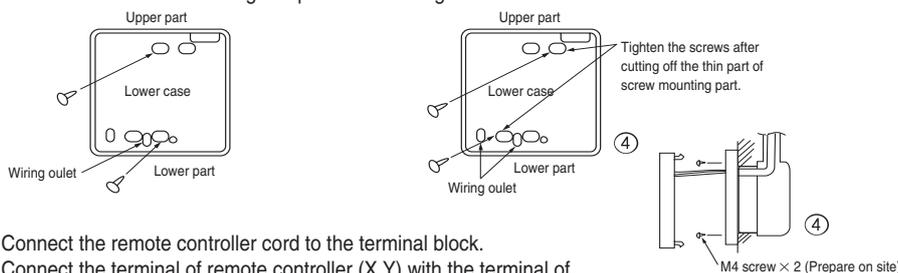
- ① Open the cover of remote controller, and remove the screw under the buttons without fail.
- ② Remove the upper case of remote controller.
Insert a flat-blade screwdriver into the dented part of the upper part of the remote controller, and wrench slightly.



[In case of embedding cord]

- ③ Embed the electrical box and remote controller cord beforehand.

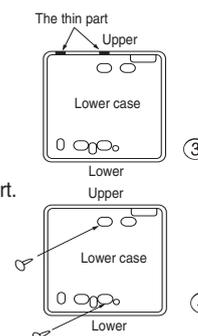
- ④ Prepare two M4 screws (recommended length is 12-16mm) on site, and install the lower case to electrical box. Choose either of the following two positions in fixing it with screws.



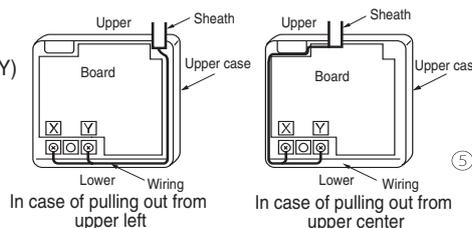
- ⑤ Connect the remote controller cord to the terminal block.
Connect the terminal of remote controller (X,Y) with the terminal of indoor unit (X,Y). (X and Y are no polarity)
- ⑥ Install the upper case as before so as not to catch up the remote controller cord, and tighten with the screws.

[In case of exposing cord]

- ③ You can pull out the remote controller cord from left upper part or center upper part.
Cut off the upper thin part of remote controller lower case with a nipper or knife, and grind burrs with a file etc.
- ④ Install the lower case to the flat wall with attached two wooden screws.

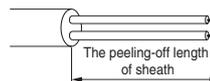


- ⑤ Connect the remote controller cord to the terminal block.
Connect the terminal of remote controller (X,Y) with the terminal of indoor unit (X,Y).
(X and Y are no polarity)
Wiring route is as shown in the right diagram depending on the pulling out direction.



The wiring inside the remote controller case should be within 0.3mm² (recommended) to 0.5mm².
The sheath should be peeled off inside the remote controller case.
The peeling-off length of each wire is as below.

Pulling out from upper left	Pulling out from upper center
X wiring : 215mm	X wiring : 170mm
Y wiring : 195mm	Y wiring : 190mm



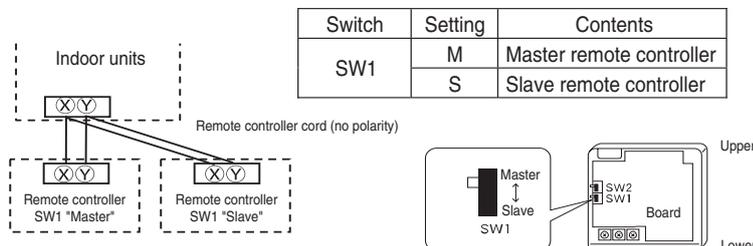
- ⑥ Install the upper case as before so as not to catch up the remote controller cord, and tighten with the screws.
- ⑦ In case of exposing cord, fix the cord on the wall with cord clamp so as not to slack.

Installation and wiring of remote controller

- ① Wiring of remote controller should use 0.3mm² × 2 core wires or cables. (on-site configuration)
 - ② Maximum prolongation of remote controller wiring is 600 m.
If the prolongation is over 100m, change to the size below.
But, wiring in the remote controller case should be under 0.5mm². Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.
- | | |
|------------|------------------------------------|
| 100 - 200m |0.5mm ² × 2 cores |
| Under 300m |0.75mm ² × 2 cores |
| Under 400m |1.25mm ² × 2 cores |
| Under 600m |2.0mm ² × 2 cores |

Master/ slave setting when more than one remote controllers are used

A maximum of two remote controllers can be connected to one indoor unit (or one group of indoor units.)



Set SW1 to "Slave" for the slave remote controller. It was factory set to "Master" for shipment.

Note: The setting "Remote controller thermistor enabled" is only selectable with the master remote controller in the position where you want to check room temperature.

The air conditioner operation follows the last operation of the remote controller regardless of the master/ slave setting of it.

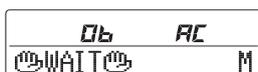
The indication when power source is supplied

When power source is turned on, the following is displayed on the remote controller until the communication between the remote controller and indoor unit settled.

Master remote controller : "WAIT M"
Slave remote controller : "WAIT S"

At the same time, a mark or a number will be displayed for two seconds first.

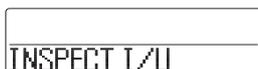
This is the software's administration number of the remote controller, not an error cord.



※ The left mark is only an example. Other marks may appear.

When remote controller cannot communicate with the indoor unit for half an hour, the below indication will appear.

Check wiring of the indoor unit and the outdoor unit etc.



The range of temperature setting

When shipped, the range of set temperature differs depending on the operation mode as below.

Heating : 16~30°C (55~86°F)

Except heating (cooling, fan, dry, automatic) : 18~30°C (62~86°F)

● **Upper limit and lower limit of set temperature can be changed with remote controller.**

Upper limit setting: valid during heating operation. Possible to set in the range of 20 to 30°C (68 to 86°F).

Lower limit setting: valid except heating (automatic, cooling, fan, dry) Possible to set in the range of 18 to 26°C (62 to 79°F).

When you set upper and lower limit by this function, control as below.

1. When ⑫ TEMP RANGE SET, remote controller function of function setting mode is "INDN CHANGE" (factory setting),
 【 If upper limit value is set 】
 During heating, you cannot set the value exceeding the upper limit.

 【 If lower limit value is set 】
 During operation mode except heating, you cannot set the value below the lower limit.
2. When ⑫ TEMP RANGE SET, remote controller function of function setting mode is "NO INDN CHANGE"
 【 If upper limit value is set 】
 During heating, even if the value exceeding the upper limit is set, upper limit value will be sent to the indoor unit.
 But, the indication is the same as the temperature set.

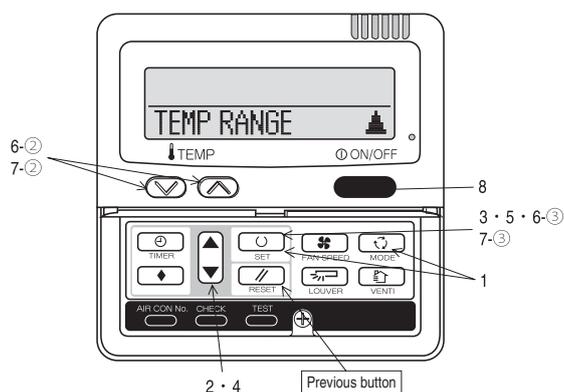
 【 If lower limit value is set 】
 During except heating, even if the value lower than the lower limit is set, lower limit value will be sent to the indoor unit.
 But, the indication is the same as the temperature set.

● **How to set upper and lower limit value**

1. Stop the air-conditioner, and press (SET) and (MODE) button at the same time for over three seconds.
 The indication changes to "FUNCTION SET ▼".
2. Press button once, and change to the "TEMP RANGE ▲" indication.
3. Press (SET) button, and enter the temperature range setting mode.
4. Select "UPPER LIMIT ▼" or "LOWER LIMIT ▲" by using button.
5. Press (SET) button to fix.
6. When "UPPER LIMIT ▼" is selected (valid during heating)
 - ① Indication: " ▼ ^ SET UP" → "UPPER 30°C ▼"
 - ② Select the upper limit value with temperature setting button . Indication example: "UPPER 26°C ▼ ^" (blinking)
 - ③ Press (SET) button to fix. Indication example: "UPPER 26°C" (Displayed for two seconds)
 After the fixed upper limit value displayed for two seconds, the indication will return to "UPPER LIMIT ▼".
7. When "LOWER LIMIT ▲" is selected (valid during cooling, dry, fan, automatic)
 - ① Indication: " ▼ ^ SET UP" → "LOWER 18°C ^"
 - ② Select the lower limit value with temperature setting button . Indication example: "LOWER 24°C ▼ ^" (blinking)
 - ③ Press (SET) button to fix. Indication for example: "LOWER 24°C" (Displayed for two seconds)
 After the fixed lower limit value displayed for two seconds, the indication will return to "LOWER LIMIT ▼".
8. Press button to finish.

• It is possible to finish by pressing button on the way, but unfinished change of setting is unavailable.

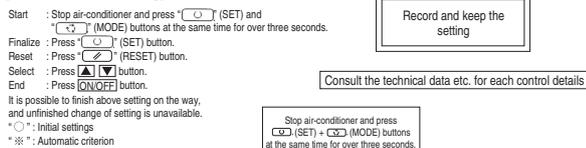
• During setting, if you press (RESET) button, you return to the previous screen.



The functional setting

● The initial function setting for typical using is performed automatically by the indoor unit connected, when remote controller and indoor unit are connected.
 As long as they are used in a typical manner, there will be no need to change the initial settings.
 If you would like to change the initial setting marked "○", set your desired setting as for the selected item.
 The procedure of functional setting is shown as the following diagram.

[Flow of function setting]



Note 1: The initial setting marked "※" is decided by connected indoor and outdoor unit, and is automatically defined as following table.

Function No.	Item	Default	Model
Remote controller function02	AUTO RUN SET	AUTO RUN ON	"Auto-RUN" mode selectable indoor unit.
		AUTO RUN OFF	Indoor unit without "Auto-RUN" mode
Remote controller function06	FAN SPEED SW	VALD	Indoor unit with two or three step of air flow setting
		INVALID	Indoor unit with only one of air flow setting
Remote controller function07	LOUVER SW	VALD	Indoor unit with automatically swing louver
		INVALID	Indoor unit without automatically swing louver
Remote controller function13	I/O FAN	HI-MID-LO	Indoor unit with three step of air flow setting
		HI-LO	Indoor unit with two step of air flow setting
		HI-MID	Indoor unit with only one of air flow setting
		1 FAN SPEED	Indoor unit with only one of air flow setting
Remote controller function15	MODEL TYPE	HEAT PUMP	Heat pump unit
		COOLING ONLY	Exclusive cooling unit

Note 3: As for plural indoor unit, set indoor functions to each master and slave indoor unit.
 But only master indoor unit is received the setting change of indoor unit function "05 EXTERNAL INPUT" and "06 PERMISSION / PROHIBITION".

FUNCTION SET

FUNCTION (Remote controller function) (Indoor unit function) I/O FUNCTION plural indoor units are connected.

Function	setting	Function	setting
01 ESP SET	ESP VALD ○ ESP INVALID ※	02 FAN SPEED SET	STANDARD ※ HIGH SPEED 1 ※ HIGH SPEED 2 ※
02 AUTO RUN SET	AUTO RUN ON ※ AUTO RUN OFF ※	03 FILTER SIGN SET	INDICATION OFF ○ TYPE 1 ○ TYPE 2 ○ TYPE 3 ○ TYPE 4 ○
03 TEMP SW	TEMP VALD ○ TEMP INVALID ※	04 POSITION	POSITION STOP ○ FREE STOP ○
04 MODE SW	MODE VALD ○ MODE INVALID ※	05 EXTERNAL INPUT	LEVEL INPUT ○ PULSE INPUT ○
05 ON/OFF SW	ON/OFF VALD ○ ON/OFF INVALID ※	06 PERMISSION/PROHIBITION	INVALID ○ VALID ○
06 FAN SPEED SW	FAN VALD ※ FAN INVALID ※	07 EMERGENCY STOP	INVALID ○ VALID ○
07 LOUVER SW	LOUVER VALD ※ LOUVER INVALID ※	08 SP OFFSET	OFFSET +3.0℃ ○ OFFSET +2.0℃ ○ OFFSET +1.0℃ ○ NO OFFSET ○
08 TIMER SW	TIMER VALD ○ TIMER INVALID ※	09 RETURN AIR TEMP	OFFSET +2.0℃ ○ OFFSET +1.5℃ ○ OFFSET +1.0℃ ○ NO OFFSET ○
09 SENSOR SET	SENSOR OFF ○ SENSOR ON ○ SENSOR +3.0℃ ○ SENSOR +2.0℃ ○ SENSOR +1.0℃ ○ SENSOR -1.0℃ ○ SENSOR -2.0℃ ○ SENSOR -3.0℃ ○	10 FAN CONTROL	LOW FAN SPEED ○ SET FAN SPEED ○ INTERMITTENCE ○ FAN OFF ○
10 AUTO RESTART	INVALID ○ VALID ○	11 FROST PREVENTION TEMP	TEMP HIGH ○ TEMP LOW ○
11 VENT LINK SET	NO VENT ○ VENT LINK ○ NO VENT LINK ○	12 FROST PREVENTION WORKING	FAN CONTROL ON ○ FAN CONTROL OFF ○
12 TEMP RANGE SET	INRN CHANGE ○ NO INRN CHANGE ○	13 DRAIN PUMP LINK	ON ○ OFF AND/SE ○ ON AND/REVERSE ○ OFF AND ○
13 I/O FAN	HI-MID-LO ※ HI-LO ※ HI-MID ※ 1 FAN SPEED ※	14 FAN REMAINING	NO REMAINING ○ 0.5 HOUR ○ 1 HOUR ○ 6 HOUR ○
14 POSITION	POSITION STOP ○ FREE STOP ○	15 FAN REMAINING	NO REMAINING ○ 0.5 HOUR ○ 1 HOUR ○ 6 HOUR ○
15 MODEL TYPE	HEAT PUMP ※ COOLING ONLY ※	16 FAN INTERMITTENCE	NO REMAINING ○ 5min/OFF 5min/ON ○ 5min/OFF 5min/ON ○
16 EXTERNAL CONTROL SET	INDIVIDUAL ○ FOR ALL UNITS ○	17 PRESSURE CONTROL	STANDARD ※ LIVE ○
17 ROOM TEMP INDICATION SET	INDICATION OFF ○ INDICATION ON ○		
18 ROOM INDICATION	INDICATION ON ○ INDICATION OFF ○		
19 SET	℃ ○ ℉ ○		

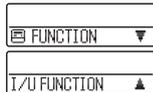
ON/OFF button (finished)

How to set function

1. Stop air-conditioner and press **(SET)** **(MODE)** buttons at the same time for over three seconds, and the "FUNCTION SET ▼" will be displayed.



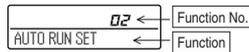
2. Press **(SET)** button.
3. Make sure which do you want to set, "FUNCTION ▼" (remote controller function) or "I/U FUNCTION ▲" (indoor unit function).
4. Press **(▲)** or **(▼)** button. Select "FUNCTION ▼" (remote controller function) or "I/U FUNCTION ▲" (indoor unit function).



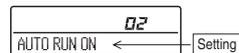
5. Press **(SET)** button.

6. 【On the occasion of remote controller function selection】

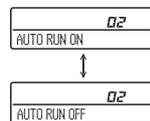
- ① "DATA LOADING" (Indication with blinking)
↓
Display is changed to "01 ESP SET".
- ② Press **(▲)** or **(▼)** button. "No. and function" are indicated by turns on the remote controller function table, then you can select from them. (For example)



- ③ Press **(SET)** button. The current setting of selected function is indicated. (for example) "AUTO RUN ON" ← If "02 AUTO RUN SET" is selected



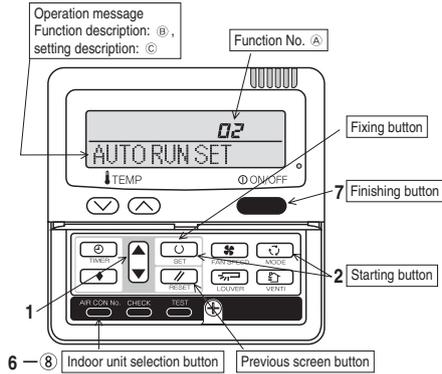
- ④ Press **(▲)** or **(▼)** button. Select the setting.



- ⑤ Press **(SET)** button. "SET COMPLETE" will be indicated, and the setting will be completed. Then after "No. and function" indication returns, Set as the same procedure if you want to set continuously, and if to finish, go to 7.



7. Press **(ON/OFF)** button. Setting is finished.

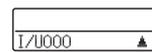


【On the occasion of indoor unit function selection】

- ① "DATA LOADING" (Blinking for 2 to 23 seconds to read the data)
↓
Indication is changed to "02 FAN SPEED SET". Go to ②.

[Note]

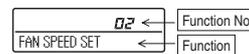
(1) If plural indoor units are connected to a remote controller, the indication is "I/U 000" (blinking) ← The lowest number of the indoor unit connected is indicated.



- (2) Press **(▲)** or **(▼)** button. Select the number of the indoor unit you are to set. If you select "ALL UNIT ▼", you can set the same setting with all unites.

- (3) Press **(SET)** button.

- ② Press **(▲)** or **(▼)** button. "No. and function" are indicated by turns on the indoor unit function table, then you can select from them. (For example)



- ③ Press **(SET)** button. The current setting of selected function is indicated. (For example) "STANDARD" ← If "02 FAN SPEED SET" is selected.



- ④ Press **(▲)** or **(▼)** button. Select the setting.

- ⑤ Press **(SET)** button. "SET COMPLETE" will be indicated, and the setting will be completed. Then after "No. and function" indication returns, set as the same procedure if you want to set continuously, and if to finish, go to 7.



※ When plural indoor units are connected to a remote controller, press the **[AIRCON NO.]** button, which allows you to go back to the indoor unit selection screen. (example "I/U 000 ▲")

- It is possible to finish by pressing **(ON/OFF)** button on the way, but unfinished change of setting is unavailable.
- During setting, if you press **(RESET)** button, you return to the previous screen.
- Setting is memorized in the controller and it is saved independently of power failure.

【How to check the current setting】

When you select from "No. and function" and press set button by the previous operation, the "Setting" displayed first is the current setting.
(But, if you select "ALL UNIT ▼", the setting of the lowest number indoor unit is displayed.)