Model RC-E5



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 source is turned off when electric wiring work. Otherwise, electric shock, malfunction and improper running may occur. 							
	CAUTION Do not install the remote control at the following places in order to avoid malfunction.							
	 Places exposed to Places near heat c High humidity plac 	direct sunlight (4) Hot surface or cold surface enough to generate condens levices (5) Places exposed to oil mist or steam directly es (6) Uneven surface	densation					
	Do not leave the remo In case the upper cac order to keep it away	te control without the upper case. e needs to be detached, protect the remote control with a packaging box or bag in irom water and dust.	\bigcirc					
	Accessories	Remote control, wood screw (ø3.5×16) 2 pieces						
	Prepare on site	on site Remote control cord (2 cores) the insulated thickness in 1mm or more.						
		[In case of embedding cord] Erectrical box, M4 screw (2 pieces) [In case of exposing cord] Cord clamp (if needed)						

Installation procedure

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

[In case of embedding cord]

③ Embed the erectrical box and remote control cord beforehand.



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





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

[In case of exposing cord]

- ③ You can pull out the remote control cord from left upper part or center upper part. Cut off the upper thin part of remote control 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.





 Connect the remote control cord to the terminal block.
 Connect the terminal of remote control (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 control case should be within 0.3mm² (recommended) to 0.5mm². The sheath should be peeled off inside the remote control 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	The peeling-off length
Y wiring : 195mm	Y wiring : 190mm	of sheath

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

Installation and wiring of remote control

- Wiring of remote control should use 0.3mm² × 2 cores wires or cables. (on-site configuration)
- 2 Maximum prolongation of remote control wiring is 600 m.
 - If the prolongation is over 100m, change to the size below.

But, wiring in the remote control 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······0.5mm² × 2 cores

Under $300m \cdots 0.75mm^2 \times 2$ cores

Under 400m \cdots 1.25mm² × 2 cores

Under 600m2.0mm² × 2 cores

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

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



Set SW1 to "Slave" for the slave remote control. It was factory set to "Master" for shipment. Note: The setting "Remote control sensor enabled" is only selectable with the master remote

control in the position where you want to check room temperature.

The air-conditioner operation follows the last operation of the remote control 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 control until the communication between the remote control and indoor unit settled.

Master remote control : "@WAIT@ M" Slave remote control : "@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 control, not an error cord.

ΠЬ RE The left mark is only an example. Other marks may ®₩AIT® М appear.

When remote control 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)

Oupper limit and lower limit of set temperature can be changed with remote control.

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 (2) TEMP RANGE SET, remote control 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 ⁽²⁾ TEMP RANGE SET, remote control 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 O (SET) and C. (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 <u>(SET)</u> button to fix.
- 6. When "UPPER LIMIT ▼ " is selected (valid during heating)
 - (1) Indication: " $\bigcirc \lor \land$ SET UP" \rightarrow "UPPER 30°C \lor "
 - (2) Select the upper limit value with temperature setting button \bigtriangledown . Indication example: "UPPER 26°C $\lor \land$ " (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: " $⊕ \lor \land$ SET UP" → "LOWER 18°C \land "
 - (2) Select the lower limit value with temperature setting button \bigtriangledown . Indication example: "LOWER 24°C $\lor \land$ " (blinking)
 - ③ Press <u>○</u>.(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 ON/OFF button to finish.



functional setting																		
The initial function setting for typical using is performed automatically by the indoor unit connected, when remote								Note 1: The initial setting marked "X" is decided by connected indoor and outdoor unit, and is automatically defined as following table.										
trol and indoor unit are connected	i. manner there will b		to choose the ini	ial aattiaaa				Function No.	Item	Default		Model						
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								Remote control	AUTU KUN SET	AUTO RUN OR		"Auto-RU	N° mode select	able in	door unit.			
procedure of functional setting is	shown as the follo	wing diagra	am.					Remote control	FAN SPEED SW	ি জিলা VALT	D	Indoor un	it with two or th	ree ste	p of air flow sett	ina		
								function06		5 S INVA	LID	Indoor un	it with only one	of air f	low setting			
v or function setting]			Г			7		Remote control	EEL LOUVER SW	종교 VALIO)	Indoor un	it with automati	cally sv	wing louver			
: Stop air-conditioner and press "	(SET) and		- 4-	Record and	keep the			function07		ලක INVAL	.ID	Indoor un	it without autom	aticall	y swing louver			
· Press * () * (SET) button	e same time for over	three secon	ius.	settin	ıg			Remote control	1/U FAN	HI-MID-LO		Indoor un	it with three ste	p of air	flow setting			
: Press " (RESET) buttor	n.					-		Tuncion is		HI-LU UT MTD		indoor un	it with two step	of air t	low setting			
: Press 🛋 👿 button.							-			1 EAN SPEED		Indoor up	it with only one	of air f	low setting			
: Press ON/OFF button.			Consult the te	chnical data et	C. for each c	control details	s	Remote control	MODEL TYPE	HEAT PUMP		Heat pur	ic unit	or an r	ion obtaing			
ssible to finish above setting on the	way,							function15		COOLING ONLY		Exclusive	cooling unit					
Initial settings	lable.	Stop air-	r-conditioner and pre	5S				Note 3: As for plural in	door unit, set ind	oor functions	to each maste	r and slav	e indoor unit.					
Automatic criterion		at the same ti) + CO- (MODE) bu time for over three se	ttons conds.				But only maste PROHIBISHIC	er indoor unit is re)N".	ceived the se	etting change o	f indoor u	nit function "05 I	EXTER	RNAL INPUT" ar	Id "06 PERI	MISSION /	
		FU	NCTION SET V				Indone unit	No. are indicated only u	han		Noto?: Ean e	atting of "Will	SU SPEED					
CTION T (Remote control functio	n)			(Indoor u	init function)	LZUEINCTION	ivo, are indicated only w ir units are connected.	NULUZ. Fall S	aung or niv	an areeu	Indo	oor unit air flow se	tting					
		Function	Fan tap Rentil - Rentil															
Function	Mine					L	/0000 🔺	02 FAN SPEED SET	setting		FAN	STANDARD	UH - Hi - Me -	Lo	Hi - Me - Lo	Hi - Lo	Hi - Me	
01 500 67 2 50	nang Tara ter with		data satting of ES	P-External Static	Proceuro	L	/0001 ¢		STANDARD HTGH SPEED 1	*	SPEED	UICU						
2	MALO NALD	Invalid	lidate setting of ES	SP	Flessule	I	/0002 +		HIGH SPEED 2	~	SET	SPEED1, 2	UH - UH - Hi -	Me	UH - Hi - Me	UH - Me	UH - Hi	
02 AUTO RUN SET	TO DUN ON	1.52				I	/0004 ≑	03 FILTER SIGN SET	INDIGATION O		Initial function	n setting of s	ome indoor unit is	"HIGH S	SPEED*.			
HU	ITO RUN UN	× Autor	matical operation	ie impoceible					TYPE 1	+	The filter sign is	indicated af	ter running for 180	hours.				
03 MA TEMP SW	STATIN TO				To ea	t other indoor	unit, press		TYPE 2		The filter sign is indicated after running for 600 hours.							
		H	noraturo cottina k	utton is not work	king AIR C	CON No. butto	n. which		TYPE 3		The filter sign is	indicated af	ter running for 100 ter running for 100	u hours. O hours	then the indoor un	it will be store	ed by	
04 TE MODE SW			porature setting D	ucon is not work	allows	s you to go ha	ck to the indoor		1.0.6.4		compulsion after	r 24 hours.	ranning for 100		, are moder un			
6	VALID	<u>р</u>			unit se	election screet	n	04 ST POSITION	_		If you change th	e indoor fun	ction "04 -> POS	SITION"	,			
05 LOD ON/OFE SW	INVALIU	Mode	e putton is not wo	rking	(for ex	xample: I/U 00)0 🔺).		4POSTTION ST	IP LO	you must chang	e the remote	control function "	14 ∹7≓	POSITION " accordi	ngly.		
6	@ VALID	0							FREE STOP	~ ⁰	The louver can select t	stop at anv p	op position in the N iosition.	Juli.				
	@ INVALID	On/C	Off button is not w	orking				05 EXTERNAL INPUT										
06 LEELFAN SPEED SWI	TER VALTO	× 1							PULSE INPUT									
ð	SE INVALID	₩ Fan s	speed button is n	ot working				06 OPERIOR/EINISSON/PRIMITION	10000111101									
07 ET LOUVER SW		L W		-					INVALID	0								
0	ISTI VALID	× 1 0 I N	ver hutton is not v	orking				07 ENERGENCY STOP	VALLU		Permission/proh	ibition contr	ol of operation will	be valid	L			
08 C TIMER SW		2001	or building not in	onung				Of Interference of the	INVALID	0								
	O VALID								VALID		With the VRF se	ries, it is us	ed to stop all indoo	r units c	connected with the	same outdoor	unit immedia	
00 PUSENSIR SET	LEIINVHLIU	I I Ime	er button is not wo	rking							When stop signa	al is inputed	from remote on-off	termina	al "CNT-6", all indoi	or units are sti	opped immed	
<u>()</u>	SENSOR OFF	O Remo	ote thermistor is not v	vorking.														
8	SENSOR ON	Remo	ote thermistor is work	ing.	ar producion . 2	OIC increases in (lemeerek ve		OFFSET +3.0%		To be reset for p	roducing +3	.0°C increase in te	mperatu	ure during heating.			
8	SENSOR +2.0%	Remo	ote thermistor is work	ing, and to be set id	or producing +3.0	.0°C increase in t	temperature.	08 1 × SP OFFSET	0FFSET +1.0%		To be reset for p	roducing +2	.0°C increase in te	mperatu	ure during heating.			
8	SENSOR + 1.0%	Remo	ate thermistor is work	ing, and to be set fo	or producing +1.	.0°C increase in t	temperature.		NO OFFSET	0	1							
8	SENSUR - 1.05 SENSUR - 2.05	Hemo Bemo	ote thermistor is work	ing, and to be set to ing, and to be set fr	or producing -1.0 or producing -2.0	U°C increase in te 0°C increase in te	amperature. emperature		INFEST +2 05-		To be receil proc	lucina 12.0°	C increases in rotur	n air ton	porsturo of indoor	unit		
	SENSOR -3.0%	Remo	ote thermistor is work	ing, and to be set fo	or producing -3.0	0°C increase in tr	emperature.		OFFSET +1.5%		To be reset proc	lucing +2.0 lucing +1.5°	C increase in retur	n air ten	nperature of indoor	unit.		
10 AUTO RESTART	IIALTD.							09 RETURN AIR TEMP	OFFSET + 1.0%	-	To be reset proc	lucing +1.0°	C increase in retur	n air ten	nperature of indoor	unit.		
VA	ALID								OFFSET - 1.0%		To be reset pror	lucina -1 0°0	increase in return	air tom	nerature of indoor	init		
11 VENT LINK SET									OFFSET - 1.55		To be reset proc	lucing -1.5°	C increase in return	air tem	perature of indoor	unit.		
NU	VENT		ee of Single enlit	earies by conner	ctina ventilatio	on device to Cl	NT of the	TO 135 FAN CONTROL	OFFSET -2.05		To be reset proc	lucing -2.0°0	C increase in return	n air tem	perature of indoor	unit.		
L L L L L L L L L L L L L L L L L L L	NT TNP/	indoc	or printed circuit b	pard (in case of)	VRF series, by	y connecting it	to CND of the	TO 126 THE ODUTION T	LOW FAN SPEED	0	When heating th	ermostat is	OFF, fan speed is	low spe	ed.			
AC	NILINA	indoc	or printed circuit b	bard), the operat	tion of ventilat	ition device is li	inked with the		SET FAN SPEED		When heating th	ermostat is	OFF, fan speed is	set sper	ed.			
-		opera	ation of indoor uni se of Single split seri	i. ee hy connecting w	antilation device	e to CNT of the in	adoor printed		INTERNITTENC	-	When heating th	ermostat is	OFF. fan speed is	onerate	d intermittently			
NO	VENT LINK	circuit	it board (in case of V	RF series, by conne	ecting it to CND r	of the indoor prin	ited circuit		FAN OFF		When heating th	ermostat is	OFF, the fan is sto	pped.				
A O LITEND DANCE SET		board	J), you can operate /	stop the ventilation	device independ	idently by 💼) (VENT) button.				When the remot	e thermistor	is working, "FAN (DFF" is :	set automatically.			
12 ICHF ISHNOC SCI			u change the rand	e of set temperal	ture the indic	cation of set ter	mnerature				DO HOLGEL I AN	OTT WHEN		leinnaco	n ia working.			
IN	UN CHANGE	will v	/ary following the	ontrol.				11 FROST PREVENTION TEMP	True		Change of indoc	r heat exch	anger temperature	to start	frost prevention co	ntrol.		
NO	INUN CHANGE	I If you	u change the rang	e of set temperat	ture, the indica	ation of set ter	nperature		TEMP LOW	-	1							
13 I/U FAN		wiii h	ios vary ioliowing t	is control, and K	wey une set te	sinperature.		L	LIGH LOW	19	1							
HI	-MID-LO	Air flo	ow of fan becomes	the three speed	of Sell -Sel]-	-840 or%###-\$	8 41-840-8 40	12 FROST PREVENTION CONTROL	EAN PONTOOL	N 10	Working only with	th the Single	split series.					
HI-	-MID	Air fle	low of fan become	s the two speed (on wears -well. Of 称atel-就atel				FAN CONTROL	JFF U	i o control trost j	prevention, t	ne indoor tan tap is	s raised.				
1F	AN SPEED	X Air flo	ow of fan is fixed	at one speed.				13 DRAIN PUMPLINK										
14 SEPOSITION		If you	u change the rem-	ote control function	on "14 -5,72 Pr	OSITION ".			<u>菜0</u> 会合AND-35		Urain pump is ru	in during co	oling and dry.	ina				
		you n	must change the i	ndoor function "0	I4 ⇒r= POSITIO	ON" accordingly	<i>j</i> .		参 心的D※AND	1	Drain pump is ru	in during co	oling, dry, heating a	and fan.				
49	OSITION STOP	O You o	can select the lou	/er stop position	in the four.			1.4 CE FON DEMATATING	\$¢ AND≅		Drain pump is ru	in during co	oling, dry and fan.					
15 NODEL TYPE	cc ordP	Inel	ouver can stop at	any position.				14 1 Se THIN ISCHHUNUND	NO REMAINING	10	After cooling in a	tonned is O	FF. the fan doer n	nt norfer	rm extra oneration			
HE	at Pump	*							0.5 HOUR		After cooling is a	stopped is O	FF, the fan perform	n extra c	operation for half ar	hour.		
16 FYTERNAL PONITION SCT	ULING ONLY	1.**							1 HOUR		After cooling is a	topped is O	FF, the fan perform	n extra c	operation for an hou	ir.		
To Learning continue out	DIVIDUAL	If you	u input signal into	CnT of the indo	or printed circ	cuit board from	a external, the	15 × FAN REMAINING	Lo noon		, area country is s	~opped is U	· · , me ran perform	- eving (And anoth IOL SIX DO	anu.		
IN		indoc	or unit will be ope	rated independe	ntly according	g to the input f	from external.		NO REMAINING	0	After heating is	stopped or h	eating thermostat i	s OFF,	the fan does not pe	rform extra o	peration.	
FOL	K ALL UNLIS	I If you	J Input into CNT of t	ne indoor printed	circuit board fri	rom external, all	from external		0.5 HOUR 2 HOUR		After heating is :	stopped or h	eating thermostat i	s OFF,t	he fan perform extr	a operation fo	r half an hou	
17 ROON TEMP INDICATION SET			ou the same fell	ioto control ale op	rorateu aucului	mig to the intput	noni exterridi.		6 HOUR		After heating is	stopped or h	eating thermostat i	s OFF.	the fan perform ext	a operation for	or six hours.	
IN	DICATION OFF	0	and the state of t	attan balana - 2	dama and a	to to diverse 2.1	and shale f	16 X FAN INTERMITTENCE	AND DEMAND					,				
INC	DIGATION ON		withe mactor rom	auon, indoor unit	. temperature i	is indicated ins	.tead of air flow.		NU KEMAINING	10	During heating is	s stopped or	heating thermosta	t is OFF	, the fan perform in	itermittent on	aration for five	
(Only the master remote control can be indicated.)									zominOFF sminO	N	with low fan speed after twenty minutes' OFF.							
18 XCONDICATION	DICATION ON	<u>ю</u>	N	distant and the second	and has been a				sminOFF sminOM		During heating is stopped or heating thermostat is OFF, the fan perform intermittent operation for five							
18 WebINDICATION	DOLED UNDER	Heat	ang preparation in	aication should i	not be indicat	lea.		17 PRESSURE CONTROL	L		with low tan spe	eu atter tivé	minutes UFF.					
	DIGITION OF								STANDARD	*	1							
18 34/99 INDICATION IN 19 15/7F SET 15	Diamonan		perature indicatio	h is by degree C							A 1 100 1							
18 369 INDICATION IN IN 19 57/F SET 5 F		O Temp	perature indicatio	n is by degree C n is by dearee F					TYPE1	*	Connected "OA	Processing"	type indoor unit, a	nd is au	tomatically defined			

Hov 1. 2. 3. 4.	Vto set function Stop air-conditioner and press ○.(SET) <>.(MODE) buttons at the same time for over three seconds, and the "FUNCTION SET ▼ " will be displayed.	Operation message Function description: (®), setting description: (®), Function No. (e) Final description: (P) Final description: (P) </th							
5.	Press O (SET) button.								
6.	 Con the occasion of remote control function selection J "DATA LOADING" (Indication with blinking) Display is changed to "01 ★ MA ESP SET". Press or button. "No. and function"are indicated by turns on the remote control function table, then you can select from them. (For example) <u>AUTO RUN SET</u> <u>Function No.</u> Function Press (SET) button. The current setting of selected function is indicated. (for example) "AUTO RUN ON" If "02 AUTO RUN SET" is selected <u>AUTO RUN ON</u> <u>Setting</u> Press or button. Select the setting. <u>AUTO RUN OF</u> <u>Setting</u> Press (SET) "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. <u>SET COMPLETE</u> button. Setting is finished. 	Con the occasion of indoor unit function selection as the data indication is changed to '02 FAN SPEED SET'. Go to The of Indication is '1/U 000' (blinking) → The lowest number of the indication is '1/U 000' (blinking) → The lowest number of the indication is '1/U 000' (blinking) → The lowest number of the indication is '1/U 000' (blinking) → The lowest number of the indication is '1/U 000' (blinking) → The lowest number of the indication is '1/U 000' (blinking) → The lowest number of the indication is '1/U 000' (blinking) → The lowest number of the indication is '1/U 000' (blinking) → The lowest number of the indication is '1/U 000' (blinking) → The lowest number of the indication is '1/U 000' (blinking) → The lowest number of the indication is '1/U 000' (blinking) → The lowest number of the indication is '1/U 000' (blinking) → The lowest number of the indication is '1/U 000' (blinking) → The lowest number of the indicated is indicated. If you select 'ALL UNIT ▼', you can set the same setting of all units. a Press of or of button. 'Press of or of button. 'Press of or of button. 'Press of or of button. 'STANDARD' ← If '02 FAN SPEED SET' is selected. Of the setting. O Press of or of button. 'SET OUMPLETE' will be indicated, and the setting will be completed. 'Press of of of button. 'SET COMPLETE' will be indicated, and the setting will be completed. 'Press of of 'D button. 'ET COMPLETE' will be indicated, and the setting will be completed. 'SET COMPLETE' will be indicated, and the setting will be completed. 'SET COMPLETE' will be indicated to a remote control, the indoor unit selection screen. (example ''LU 000 of '')							
	 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 control and it is saved independently of power failure 								
	[How to check the current setting] When you select from "No. and funcion" 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.)								