

READ AND UNDERSTAND THIS MANUAL BEFORE USING THIS WIRED REMOTE CONTROL SWITCH. KEEP THIS MANUAL FOR FUTURE REFERENCE.

IMPORTANT NOTICE:

- No part of this manual may be reproduced without written permission.
- Signal words (DANGER, WARNING, and CAUTION) are used to identify levels of hazard seriousness. Definitions of identifying hazard levels are provided below with their respective signal words.

⚠ DANGER : Immediate hazards which WILL result in severe personal injury or death.

⚠ WARNING : Hazards or unsafe practices which COULD result in severe personal injury or death.

⚠ CAUTION : Hazards or unsafe practices which COULD result in minor personal injury or product or property damage

NOTE: Useful information for operation and/or maintenance.

1. SAFETY SUMMARY

⚠ DANGER

- **DO NOT** pour water into the remote control switch (hereafter called “controller”). This product is equipped with electrical parts. If poured, it will cause a serious electrical shock.

⚠ WARNING

- **DO NOT** perform installation work and electrical wiring connection by yourself. Contact your distributor or dealer of Hisense and ask them for installation work and electrical wiring by service person.

⚠ CAUTION

- **DO NOT** install the indoor unit, outdoor unit, controller and cable at such places as;
 1. Where there is oil vapor and the oil is dispersed
 2. Where the hot springs are near (in a sulfuric environment)
 3. Where generation, flowing, staying or leaking of flammable gas is detected
 4. Where the sea is near (in the salty environment)
 5. An acid or alkaline environment
- **DO NOT** install the indoor unit, outdoor unit, controller and cable within approximately 3 meters from strong electromagnetic wave radiators such as medical equipment. In case that the controller is installed in a place where there is electromagnetic wave direct-radiation, shield the controller and cables by covering with the steel box and running the cable through the metal conduit tube.
- In case that there is electric noise at the power source for the indoor unit, provide a noise filter.

The box ☐ is for checking work .Check the box after checkig.

2. Installation Work

[2.1 Selection of Installation Place]

- ☐1) Select a suitable place for handling and determine the installation place of the controller with the customer's acceptance. Do not install the controller at such places as;
- where children can touch
 - where the air from the air conditioner is directly discharged

[2.2 Before Installation]

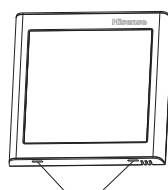
- ☐1) This packing contains the following parts.

Remote control Switch.....1 Assembling screw(M4*16mm).....2

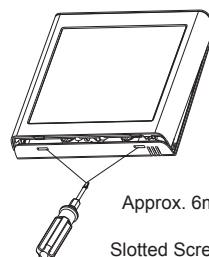
Installation Spot check specification.....1

[2.3 Installation Procedures]

- ☐1) Insert the edge of the slotted screwdriver into the groove at the bottom of the holding bracket, push and turn the slotted screwdriver and then remove the controller from the holding bracket.
- ☐2) Attach the controller to the holding bracket and connect the cable as follows.



Groove Part

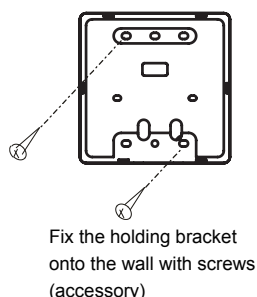


Approx. 6mm

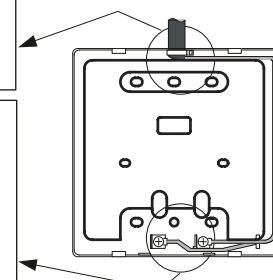
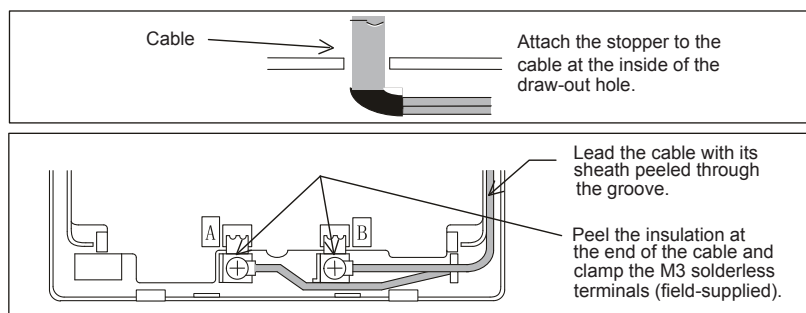
Slotted Screw Driver

Figure Seen from Bottom Side
Groove Part for Removing Contronller

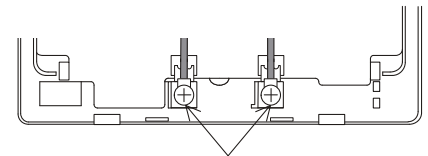
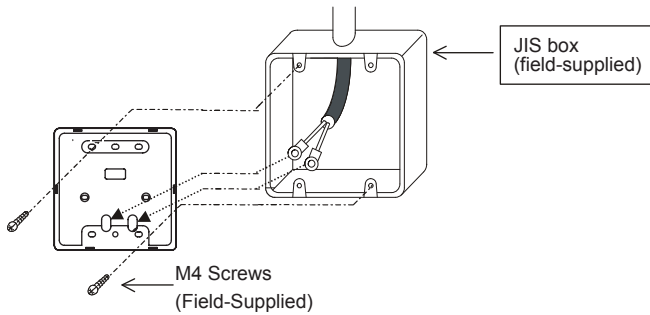
A. In Case of Exposing Remote Control Cable



Fix the holding bracket onto the wall with screws (accessory)



B. When Using Switch Box

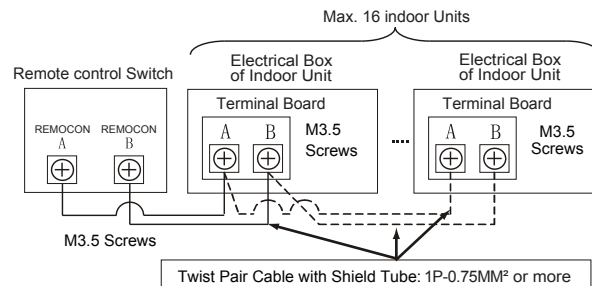


Connect the terminals.

- ☐ 3) Attach the remote control switch to the holding bracket. Be careful not to pinch the cable when attaching it.
- ☐ 4) Remove the protection film from the liquid crystal display.

3. Electrical Wiring

ATTENTION: Always make sure to turn off the power of the indoor unit when performing electrical wiring work. Performing electrical wiring work with the power on can damage the circuit boards of the indoor unit and the remote control switch.



CAUTION

- Use a 0.3 to 0.75mm² cable for connecting. The maximum total cable length is up to 30m. If the total cable length exceeds 30m, use a twist pair cable with shield tube (1P-0.75mm² or more). In that case, the maximum total cable length is up to 500m. If using in combination with the control timer, the allowable total cable length is up to 100m. The use of a cable other than that specified above can cause malfunction due to the effects of noise.
- Keep a distance more than 30cm between the transmission line (remote control switch cable and transmission wires) and power source of the indoor units. If not, the air-conditioner may not operate properly or malfunction may occur due to effect of power source noise.
- In case of simultaneously controlling multiple indoor units, set the refrigerant cycle numbers and addresses of the indoor units without overlapping.
- Refer to the Technical Catalog II provided with each indoor unit when performing electrical wiring work between the remote control switch and indoor units for setting the refrigerant cycle number and the indoor unit address.
- No gap shall exist between the remote control switch cable and hole of the remote control switch case. If there is a gap, cover the gap with vinyl tape. If not, malfunction may occur due to entrance of water droplets or insects.

4. Checking Procedures

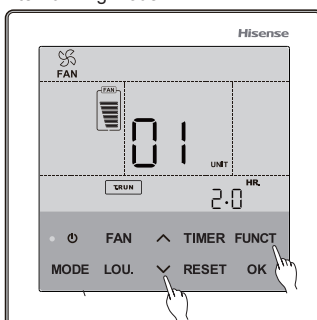
- ☐ 1) Turn ON the power supply for all the indoor units.

note

Although a portion of the LCD (liquid crystal display) of the remote control switch may light immediately after the power is turned on, this is not a malfunction.

- ☐ 2) For the models with the auto-address function, wait for 3 minutes approximately. The addressing is automatically performed. (There is a case that 5 minutes is required according to the setting condition.)

- ☐ 3) Enter running model



Set the "TEST RUN" mode by pressing the "MODE" and "FUNCT" switch simultaneously for more than 5 seconds

A. "[01]" is displayed on the LCD.

Example when 1 indoor Units are connected, max connected 16 unit.

B. The total number of the indoor units connected is indicated on the LCD.

C. In case that the indicated number is not correct, the auto-address function is not performed correctly due to incorrect wiring, the electric noise or etc.

Turn OFF the power supply and correct the wiring after checking the following points; (Do not repeat turning ON and OFF within 10 seconds.)

1. Power Supply for Indoor Unit is Not Turned On or Incorrect Wiring.
2. Incorrect Connection of Connecting Cable between Indoor Units or Incorrect Connection of Controller Cable.
3. Incorrect Setting of Rotary Switch and Dip Switch (The setting is overlapped.) on the Indoor Units PCB

D. Check to ensure that the "TEST RUN" mode is not set.

ATTENTION

00 UNIT

When "00" is indicated, the auto-address function may be performing. Cancel the "TEST RUN" mode and set it again.

- ☐ 4) Canceling "TEST RUN" Mode

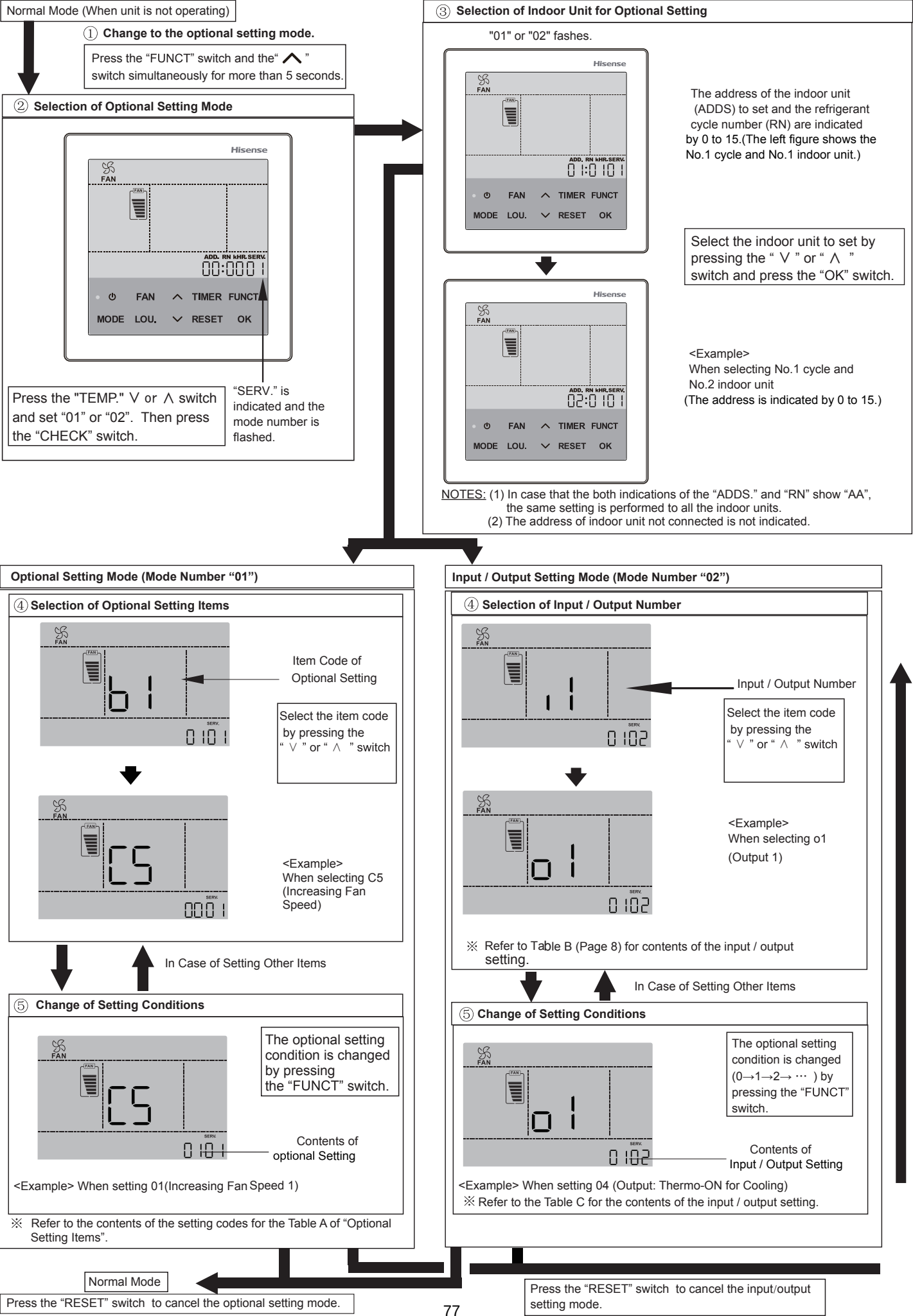
RESET

1. When the unit is not operating, press this switch.



2. When the unit is operating, press this switch

5. Optional Setting and Input / Output Setting of Indoor Unit



● Sheet A Optional Setting Items

Setting item	Name	Individual setting	Setting content	setting	Setting item	Name	Individual setting	Setting content	setting
b1	Removal of Heating Temperature Compensation due to Uneven Heat Load	○	00:Standard 01:Removal 02:Set Temp.+2°C(*1)		d1	The power supply start stop 1	○	00:Not Available 01:Available	
b2	Circulator Function at Heating Thermo-OFF	○	00: Not Available 01: Available		d2	Not Prepared	—	Not Used	
b3	Enforced 3 Minutes Minimum Operation Time of Compressor	○	00: Not Available 01: Available		d3	Power Supply ON/OFF 2	○	00:Not Available 01:Available	
b4	Change of Filter Cleaning Time	○	00-04(*2)		E1	Ventilation Model	—		
b5	Fixing of Operation Mode	○	00:Not Available 01:Available		E2	Increasing Supply Air Volume	○	00:Not Available 01:Available	
b6	Fixing of Setting Temperature	○	00:Not Available 01:Available		E3	With a humidifier	○	00:Not Attached 01:Attached	
b7	Fixing of Operation as Exclusive Cooling Unit	○	00:Not Available 01:Available		E4	Time of Precooling and preheating	○	00:Standard 01:30minutes 02:60minutes	
b8	Automatic COOL/HEAT Operation	○	00:Not Available 01:Available		E5	Not Prepared	—	Not Used	
b9	Fixing of Fan Speed	○	00:Not Available 01:Available		F1	Automatic OFF Timer Setting	×	00-24 : OFF Timer by 0-24hours	
C1	Not Prepared	—	Not Used		F2	Remote Control Main-Sub Setting	×	00 : Main 01 : Sub	
C2	Not Prepared	—	Not Used						
C3	Not Prepared	○	Not Used						
C4	Not Prepared	○	Not Used						
C5	Hi Speed	○	00: Not Available 01: Hi Speed 1(*3) 02: Hi Speed 2(*3)						
C6	Hi Speed at Heating Thermo-OFF	○	00:Not Available 01:Available						
C7	Canceling of Enforced 3 3 Minutes Minimum Operation Time of Compressor	○	00:Available 01:Not Available						
C8	Thermistor of Remote Control Switch	○	00: Not Available 01,02(*4)						
C9	Not Prepared	—	Not Used						
CA	Not Prepared	—	Not Used						
CB	Selection of Forced Stoppage Logic	○	00:A Contact 01:B Contact						
CC	Not Prepared	×	Use as 00 conditions						

*1. The "02" setting may not be available according to the type of indoor unit.

*2. 00:Standard of Indoor Unit 01:100 hours 02:1200 hours 03:2500 hours 04:No Indication

*3. In case of RPI models, 00: Increasing fan speed 1 (standard), 01: Increasing fan speed 2 (high static pressure), 02: Standard (low static pressure)

*4. 01: Control by Thermistor of Remote Control Switch 02: Control by Average Value of Indoor Suction Thermistor and Thermistor of Remote Control Switch

NOTES:

* After at least 3 minutes from the power ON, change the optional setting.

* The optional settings are different according to the indoor and outdoor unit models. Check to ensure that the unit has the optional setting or not.

* Record the setting conditions for each optional setting in the "Setting" column of the table.

● Table B Input and Output Number Display and Connectors

Input number display		Port	Factory Setting		Setting
Input / Output	Indication		Setting Item	Indication	
Input1	11	CN3 1-2	Remote ON/OFF 1 (level)	03	
Input2	12	CN3 2-3	Forbidding Remote Control after Manual Stoppage	06	
Output1	01	CN7 1-2	Operation	01	
Output2	02	CN7 1-3	Alarm	02	
Output3	03	CN8 1-2	Thermo-ON for Heating	06	

● Table C Input and Output Settings and Display Codes

Indication	Input	Output
00	Not set	Not set
01	Room Thermostat (for Cooling)	Operation
02	Room Thermostat (for Heating)	Alarm
03	Remote ON/OFF 1 (level)	Cooling
04	Remote ON/OFF 2 (Operation)	Thermo-ON for Cooling
05	Remote ON/OFF 2 (Stoppage)	Heating
06	Forbidding Remote Control after Manual Stoppage	Thermo-ON for Heating
07	Remote Cooling / Heating Change	Total Heat Exchanger
08	Elevating grille input	Elevating Grille output

NOTES:

* After at least 3 minutes from the power ON, change the optional setting.

* The elevating grille input can be set to Input 2 only "12".
The elevating grille cannot be set to Input 1.

* The elevating grille output can be set to Output 1 or Output 2 only "01" or "02".
The elevating grille output cannot be set to Output 3.

* Do not set the elevating grille for the total heat exchanger.

* Record the setting conditions for each input and output in the "Setting" column of the table.

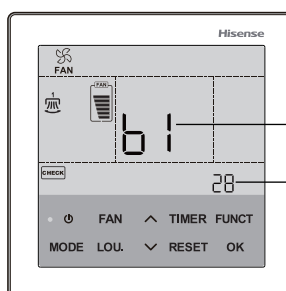
6. Checking Procedures

Normal Mode (When unit is not operating),

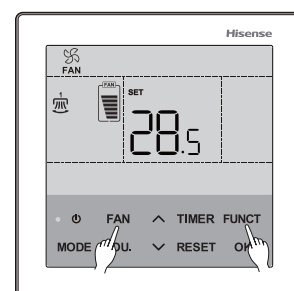
Press "FUNC" + "FAN" simultaneously for more than 3 secs.

There will display the latest alarming code at ①, and 00 will be displayed when no alarming.

And then press "√" or "Λ" to change to CHECK mode.



- ① Check item.
Initial item is b1.
② The value of item.



Cooling Heating Dry (Auto) Fan

Only "shop/office heat pump air conditioner" and "Heat pump have VRF for buildings function of heating; "shop/ office cooling only unit" and " VRFcooling only unit for buildings" are not.

Ready

Plug in before operating,for protecting compressor.
Do not interrupt, before operating.

Hisense

•

⏻

FAN

⬆

TIMER FUNCT

MODE

LOU.

⬇

RESET

OK

Elementary operation

Mode selection

Press『MODE』button select operating mode

MODE

LOU.

⬇

RESET

OK

Each press of mode button, operating mode will be changing in sequence:

FAN

COOL

DRY

HEAT

AUTO

FAN

SET

28.5

°C

『MODE』

COOL

SET

28.5

°C

•

⏻

FAN

⬆

TIMER FUNCT

MODE

LOU.

⬇

RESET

OK

- Auto: operating mode, need further setting. More detail need to consult dealer.
- Fan& Heating: operating mode, only for dual heat source indoor unit.
- For Total Heat Exchanger,only one mode (FAN) can be displayed.

Temperature

1

Each press of 『⬆』 button, temperature rises by 0.5 degree

FAN

SET

28.5

°C

•

⏻

FAN

⬆

TIMER FUNCT

MODE

LOU.

⬇

RESET

OK

2

Each press of 『⬆』 button, temperature falls by 0.5 degree

FAN

SET

28

°C

•

⏻

FAN

⬆

TIMER FUNCT

MODE

LOU.

⬇

RESET

OK

DRY

- When connecting the auto dry unit

1

Press button 『⬆』 and after each press, the humidity will increase 1% (For indoor units only with auto dry mode, it is effective under auto dry mode).

DRY

SET

38

%

•

⏻

FAN

⬆

TIMER FUNCT

MODE

LOU.

⬇

RESET

OK

2

Press button 『⬆』 and after each press, the humidity will decrease 1%.

DRY

SET

37

%

•

⏻

FAN

⬆

TIMER FUNCT

MODE

LOU.

⬇

RESET

OK

- When connecting the three different dry modes unit

1

①Display set temperature, adjusted with buttons 『⬆』 or 『⬆』.

DRY

SET

28.5

°C

•

⏻

FAN

⬆

TIMER FUNCT

MODE

LOU.

⬇

RESET

OK

②Display target humidity, set by function selection.

45

•

⏻

FAN

⬆

TIMER FUNCT

MODE

LOU.

⬇

RESET

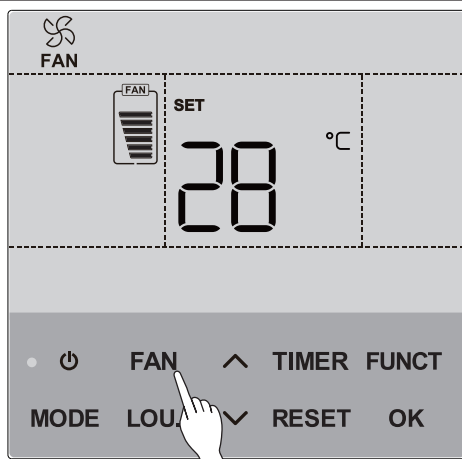
OK

Fan speed

Press **FAN** button, each press of FAN button, fan speed will be changing in sequence:



fan speed can only be exchanged when connect with the unit having 6 level fan speed.

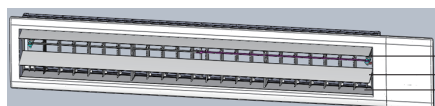


- In Dry mode, the lower fan speed can only be set, and the fan speed could not be exchanged unless connecting with a fast dehumidification unit.

Louver setting

- Louver setting when 3D air deflector is connected.

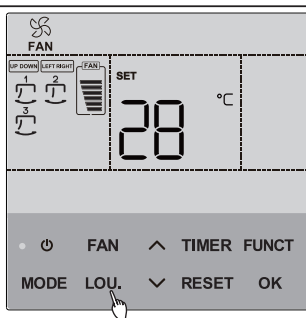
1



Louver ①
Louver ③
Louver ②

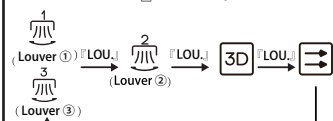
2

Press button **ON**. After running is started, press button **LOU.** and the normal air deflector will flash.

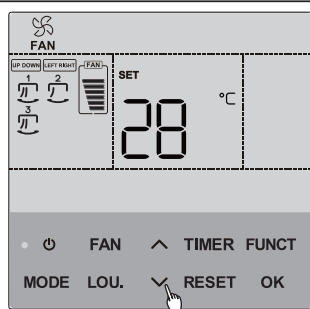


3

Press **LOU.** button:

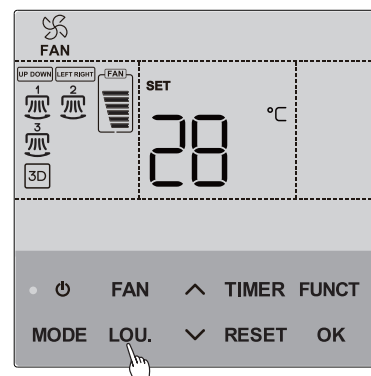


When select louver 1/3 or louver 2: press button **^** or **∨** to adjust the angle of the louver.



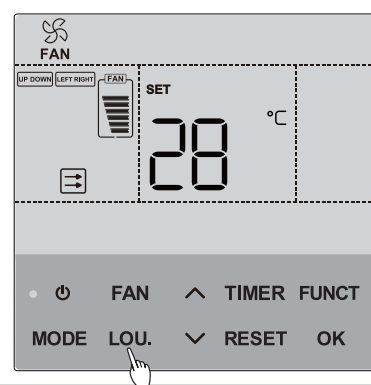
4

Press button **LOU.**, when 3D louver is selected: and all two deflector icons will swing, **3D** icon will display.



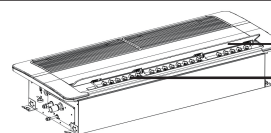
5

Press button **LOU.**, when distant louver is selected: to exit from the air swing setting interface, **3D** icon will display.



- Louver setting when one way indoor unit is connected.

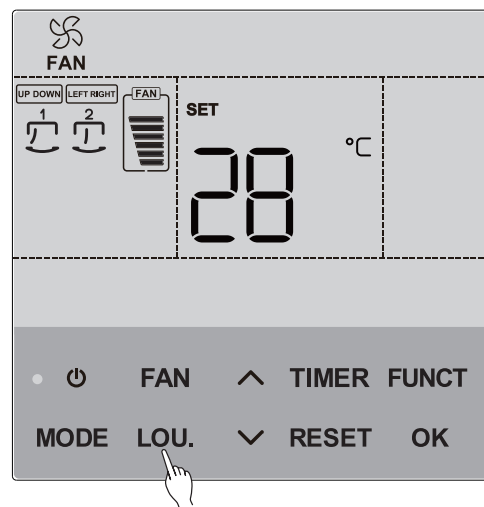
1



Louver ①
Louver ②

2

Press button **ON**. After running is started, press button **LOU.** and the normal air deflector will flash.



3

Press **『LOU.』** button :

When select louver 1 or louver 2: press button **『^』** or **『v』** to adjust the angle of the louver.

4

Press button **『LOU.』** , when 3D louver is selected: and all two deflector icons will swing, **3D** icon will display.

- Louver setting of connecting k0 four directions .

1

Press button **『^』** . After running is started, press button **『LOU.』** and the air deflector will flash.

2

When select louver 1 : press button **『^』** or **『v』** , to adjust the angle of the louver.

- Different indoor unit types have different air directions. For details , please refer to the operation instructions of the corresponding indoor unit.
- When the deflector swings, the LCD will display the position of the deflector vane, but it may not be completely consistent with the actual position of the air conditioner's deflector vane. When the air direction is fixed, please set the angle of air direction based on the direction displayed on the LCD.
- After the button is pressed, sometimes the deflector vane may not stop immediately.
- After the setting is done, press button **『OK』** to exit.

- Louver setting of connecting k3 four directions and k3 two directions.

1

Press button **『^』** . After running is started, press button **『LOU.』** after the set deflector is selected, the corresponding louver display area will flash.

2

Louver setting of connecting k3 four directions

Louver setting of connecting k3 two directions

3

When select louver 1 or louver 2 or louver 3 or louver 4: press button **『^』** or **『v』** , to adjust the angle of the louver.

Sleep



- For indoor units without sleep function, the sleep mode will not be displayed. In case of limited temperature and fan speed, the sleep function is invalid.

1

Under run mode, short press button **『FUNCT』** to switch over to the sleep setting status and the icon will flash.

2

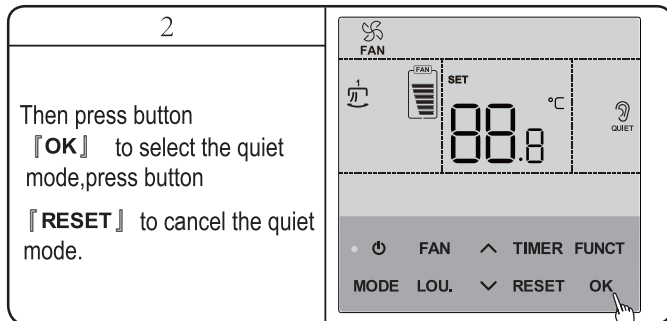
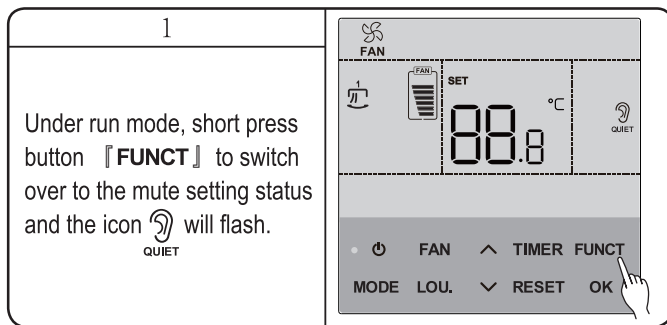
Then press button **『OK』** to select the sleep mode,press button **『RESET』** to cancel the sleep mode.

- Sleep mode can only be set when the unit is on.
- When the run mode is switched from ON to OFF, the sleep setting will be canceled.
- When the run mode is switched, the sleep setting will be canceled.
- When the timer button is pressed to cancel timing, the sleep setting will also be canceled.

Quiet



- For indoor units without quiet function, the quiet mode will not be displayed. In case of limited fan speed, the quiet function is invalid.

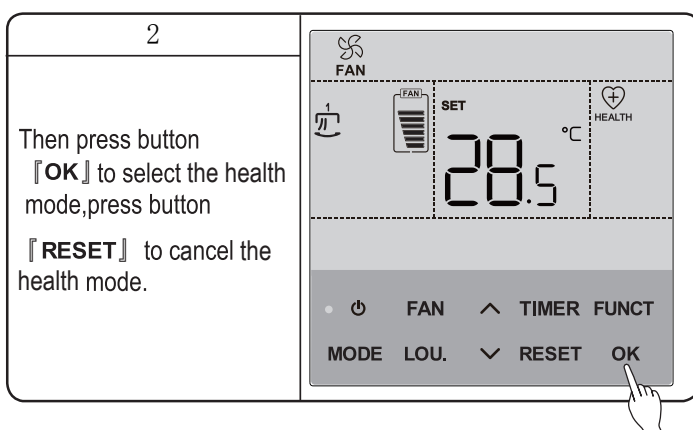
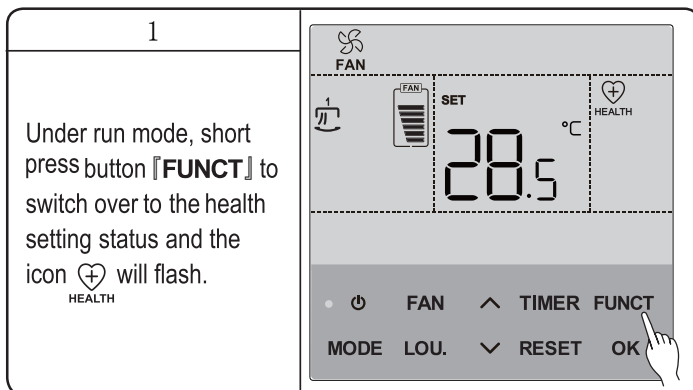


- Under quiet mode, the indoor unit will automatically control and set the fan speed. When the quiet mode is set by the wired remote controller, the current fan speed will be displayed and cannot be adjusted.
- When the run mode is switched from ON to OFF, the quiet setting will be canceled.
- When the run mode is switched, the quiet setting will be canceled.

Health



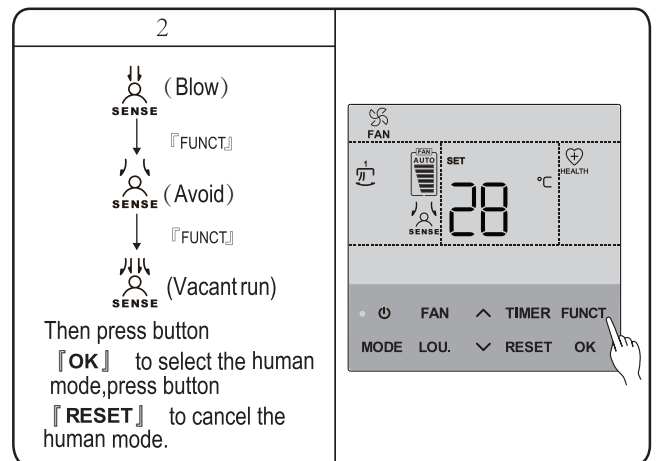
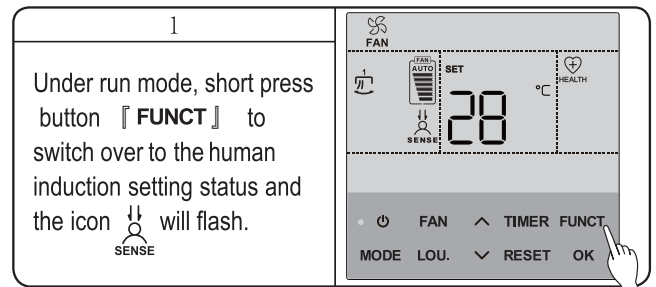
- For indoor units without health function, the health mode will not be displayed.



Human sense



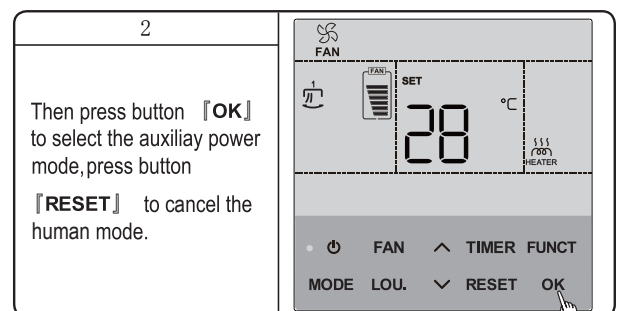
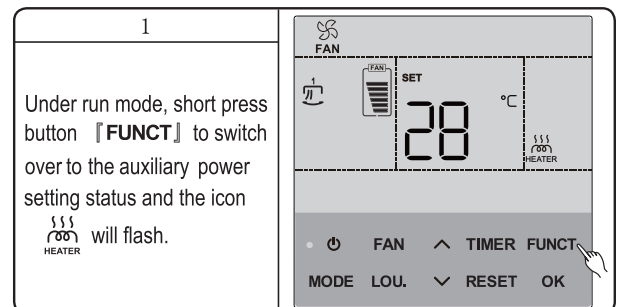
- For indoor units without human induction function, the human induction mode will not be displayed.



Electric heater



- For indoor units without auxiliary power function, the auxiliary power mode will not be displayed.



- The auxiliary power function is only valid under heating mode and cannot be selected under other modes.
- When the run mode is switched from ON to OFF, the auxiliary power setting will be canceled.
- When the run mode is switched, the auxiliary power setting will be canceled.

Energy Saving



- For indoor units without energy saving function, the energy saving mode will not be displayed. In case of limited fan speed and temperature, the energy saving function is invalid.

1

Under run mode, short press button 『FUNCTION』 to switch over to the energy saving setting status and the icon will flash.

2

Then press button 『OK』 to select the energy saving mode, press button 『RESET』 to cancel the human mode.

- When the energy saving mode is set by the wired remote controller, set fan speed and temperature cannot be adjusted.
- When the run mode is switched from ON to OFF, the energy saving setting will be canceled.
- When the run mode is switched, the energy saving setting will be canceled.

TIMER OFF

Press 『TIMER』 button , switch to the timer off setting mode, and icon display.

TIMER OFF

Press 『^』 to increase 0.5 or 1 hour of the set time.
Press 『v』 to reduce 0.5 or 1 hour of the set time.

TIMER OFF

Then press button 『OK』 to select the timer off mode, press button 『RESET』 to cancel the timer off mode.

- The timer range is 0.5~72 hours.
- When the timer range is 0~10 hours, the adjusting unit of time is 0.5 hour. When the timer range is 10~72 hours, the adjusting unit of time is 1 hour.

Timer setting

Function and operation

- Starting up timer.....after setting time, starting
- Shutting down timer..... after setting time, shutting down
- Starting up and shutdown timer could be used combinedly

TIMER ON

Press 『TIMER』 button , switch to the timer on setting mode, and icon display.

TIMER ON

Press 『^』 to increase 0.5 or 1 hour of the set time.
Press 『v』 to reduce 0.5 or 1 hour of the set time.

TIMER ON

Then press button 『OK』 to select the timer on mode, press button 『RESET』 to cancel the timer on mode.

Operating method

Operating

Press button 『POWER』
Operating light goes on start work. re-press button Operating light goes out. Machine shut down.

Quit

Re-press button 『POWER』
Operating light goes out. Machine shut down.

- After heating stop, indoor units will be blowing for 2 mins.

Other LCD display

Status display

Centralized control	
CENTRAL display When remote control setting is forbidden by centralized controller, the remote control could not be operated to change temperature, air swing and fan speed.	

Filter screen	
FILTER display Display the site of timing up of cleaning filter screen. Press mode button at less 3 secs., filter screen display disappear.	

No function	
NOFUNCTION display the indoor unit has not this function or structure.	

Alarm	
Alarm display flickering when any abnormality happening. Press 『RESET』 button to cancel the alarm display	① Alarm code. ② Address of abnormal indoor unit.

Unusual display

Abnormal	- Operating light flickering - LCD display the indoor address , system address and alarm code.
Power cut	- All display disappeared - when operating quit by power off, start the controller manually after power on - Keep running,when the time of power cut is less than 2 secs .
Disturb	All display disappeared, operating might quit. This is caused by disturbances. Please reset the running operation.