
Comfort-Cire®

Century®

WIRED CONTROLLER PROGRAMMABLE USER MANUAL

**Model
1731710001195**

High Wall SV Series





- This manual gives detailed description of the precautions that should be brought to your attention during operation.
- In order to ensure correct service of the wired controller please read this manual carefully before using the unit.
- For convenience of future reference, keep this manual after reading it.

CONTENTS

1. SAFETY PRECAUTIONS.....	1
2. INSTALLATION ACCESSORY.....	2
3. INSTALLATION METHOD.....	4
4. SPECIFICATION.....	10
5. FEATURE AND FUNCTION OF THE WIRED CONTROLLER.....	11
6. NAME ON THE LCD OF THE WIRE CONTROLLER.....	12
7. NAME OF BUTTON ON THE WIRE CONTROLLER.....	13
8. PREPARATORY OPERATION.....	15
9. OPERATION.....	16
10. TIMER FUNCTIONS.....	21
11. WEEKLY TIMER.....	24
12. FAULT ALARM HANDING.....	31
13. TECHNICAL INDICATION AND REQUIREMENT	31

1. SAFETY PRECAUTIONS

- Read the safety precautions carefully before installing the unit.
- Stated below are important safety issues that must be obeyed.

 WARNING	Means improper handling may lead to personal death or severe injury.
 CAUTION	Means improper handling may lead to personal injury or property loss.



----- WARNING -----

Please entrust the distributor or professionals to install the unit.
 Installation by other persons may lead to imperfect installation, electric shock or fire.
 Adhere to this installation manual.
 Improper installation may lead to electric shock or fire.
 Reinstallation must be performed by professionals.
 improper installation may lead to electric shock or fire.

Do not uninstall the unit randomly.
 Random uninstalling may lead to abnormal operation, heating or fire of the air condition.



NOTE

- ① Do not install the unit in a place vulnerable to leakage of flammable gases. Once flammable gases are leaked and left around the wire controller, fire may occur.
- ② Do not operate with wet hands or let water enter the wire controller. Otherwise, electric shock may occur.
- ③ The wiring should adapt to the wire controller current. Otherwise, electric leakage or heating may occur and result in fire.
- ④ The specified cables shall be applied in the wiring. No external force may be applied to the terminal. Otherwise, wire cut and heating may occur and result in fire.

2. INSTALLATION ACCESSORY

Select the installation location

Preparation before installation

1. Please confirm that all the following parts have been supplied.

No.	Name	Qty.	Remarks
1	Wire controller	1	_____
2	Installation and owner's manual	1	_____
3	Screws	3	M4X20 (For Mounting on the Wall)
4	Wall plugs	3	For Mounting on the Wall
5	Screws	2	M4X25 (For Mounting on switch box)
6	Plastic screw bars	2	For fixing on switch box
7	The connective wires group	1	Optional

2. Prepare the following assemblies on the site.

No.	Name	Qty.(embedded into wall)	Specification (only for reference)	Remarks
1	Switch box	1	_____	_____
2	Wiring Tube(Insulating Sleeve and Tightening Screw)	1	_____	_____

2. INSTALLATION ACCESSORY

Precaution of install the wire controller

1. This manual provides the installation method of wire controller. Please refer to the wiring diagram of this installation manual to wire the wire controller with indoor unit.
2. The wire to the wire controller must be grounded.
3. The connective cable of wire controller should not be longer than 65 feet.

3. INSTALLATION METHOD

1. Wired remote controller structure size figure

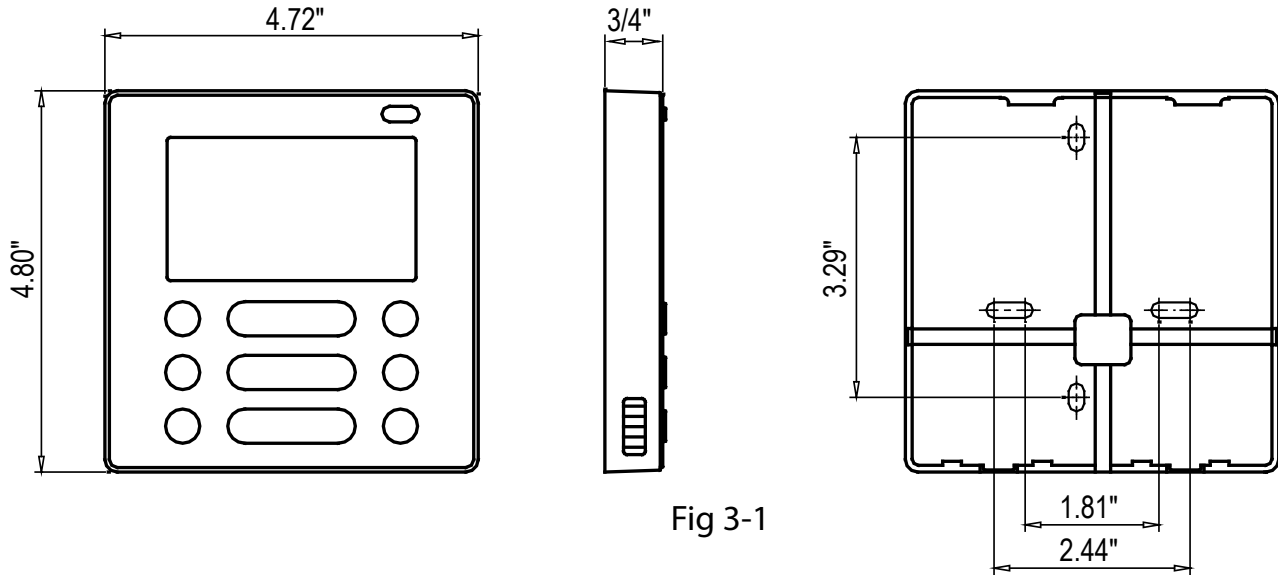


Fig 3-1

2. Wiring Principle Sketch:

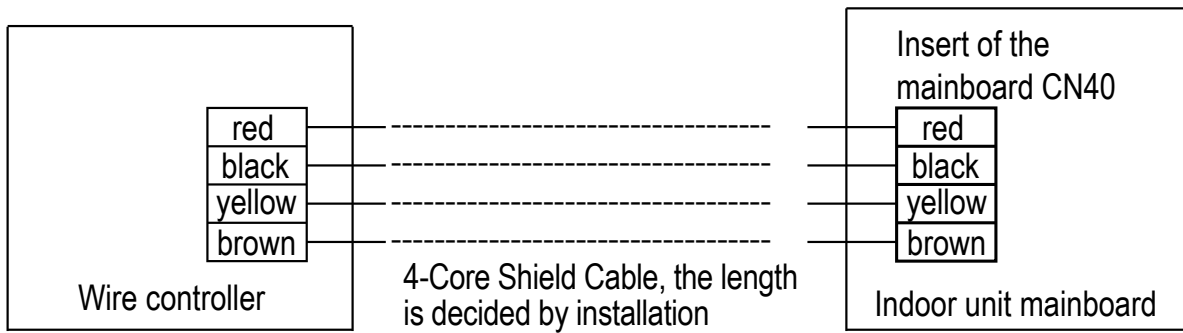


Fig 3-2

3. INSTALLATION METHOD

3. Wiring figure

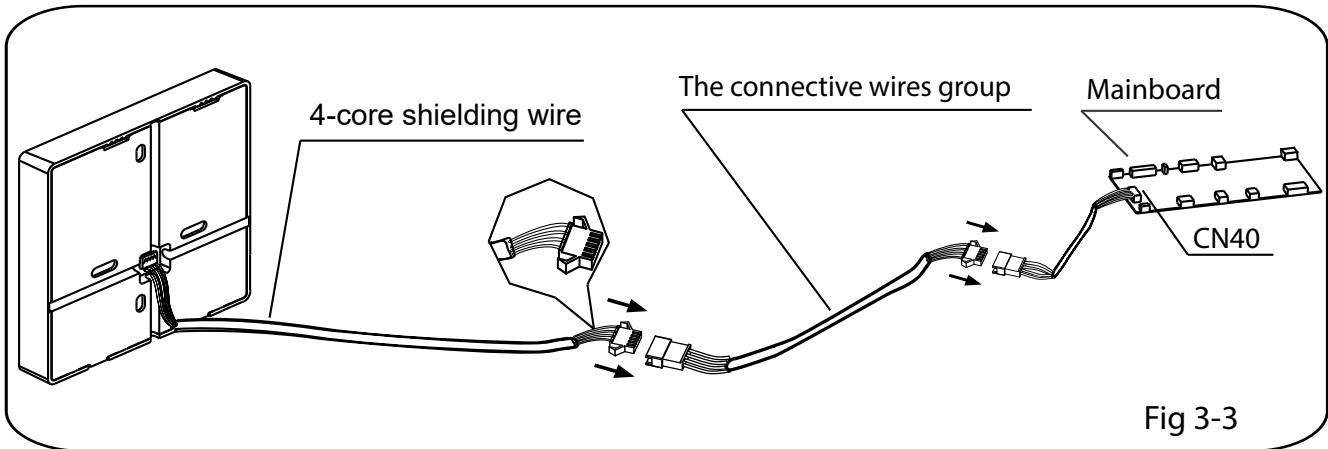


Fig 3-3

- Connect the female joint of wires group from the mainboard with the male joint of connective wires group. (See Fig.3-3)
- Please connect the other side of connective wires group with the male joint of wires group leads from wire controller. (See Fig.3-3)

4. Remove the upper part of wire controller

- Insert a slot screwdriver into the slots in the lower part of the wire controller (2 places), and remove the upper part of the wire controller. (Fig.3-4)



NOTICE

The PCB is mounted in the upper part of the wire controller. Be careful not to damage the board with the slot screwdriver.

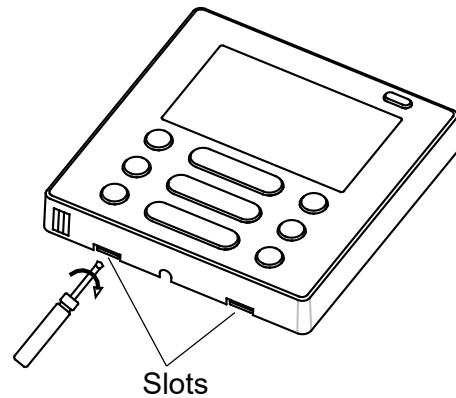


Fig 3-4

3. INSTALLATION METHOD

4. Fasten the back plate of the wire controller

- For exposed mounting, fasten the back plate on the wall with the 3 screws (M4×20) and plugs. (Fig.3-5)

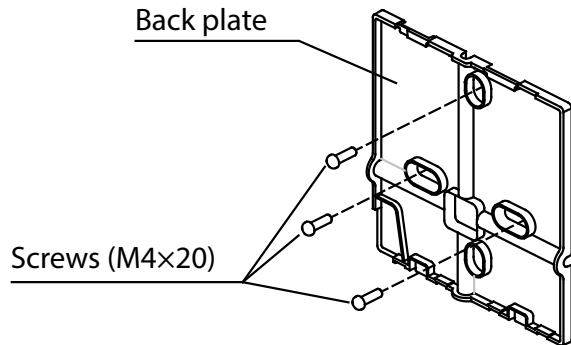


Fig 3-5

- For flush-mounting, fasten the back plate on the switch box with 2 screws (M4×25) and fasten it on the wall with 1 screw (M4×20). (Fig.3-6)

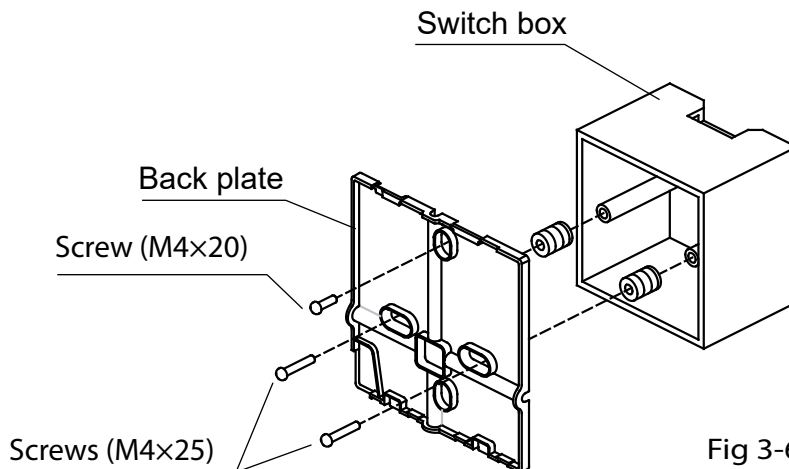


Fig 3-6



NOTICE

Put on a flat surface. Be careful not to distort the back plate of the wire controller by overtightening the mounting screws.

3. INSTALLATION METHOD

5. Battery installation

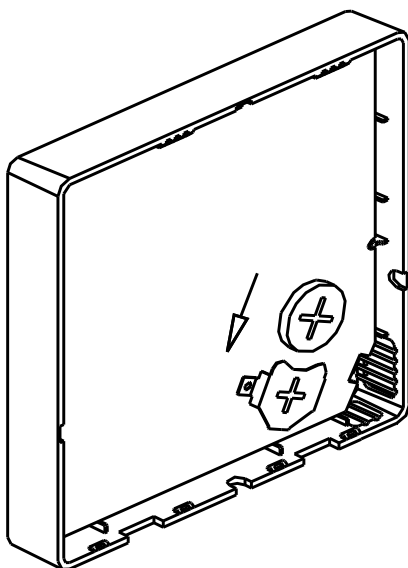
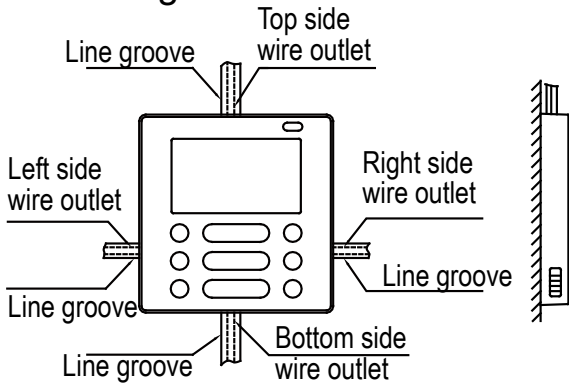


Fig 3-7

- Put the battery into the installation site and make sure the positive side of the battery is in accordance with the positive side of installation site.(See Fig.3-7)
- Please set the time on the first time set-up. Batteries in the wire controller can keep the time correct during a power outage. When the power restores, if the time displayed is not correct, it means the battery is dead and you must replace the battery.

3. INSTALLATION METHOD

6. Wiring



A. For wiring in the slot, four outletting positions. There are three need cutting.

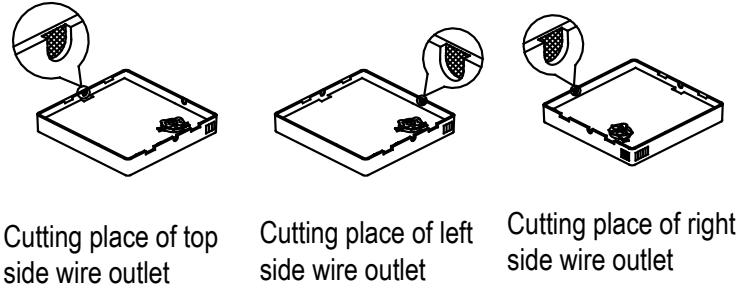
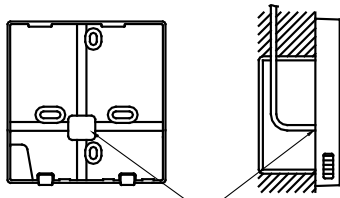


Fig 3-8

B. Shielded wiring

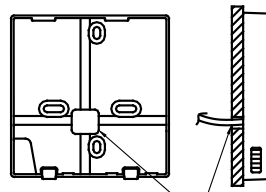
Embedded switch box wiring



Wiring hole

Fig 3-9

Wiring through the wall



Wall hole and wiring hole
Diameter of wall hole: $\Phi 20\text{mm}$

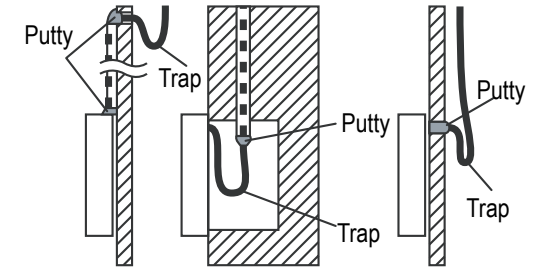


Fig 3-10

Reattach the upper part of the wire controller

- After adjusting the upper case and then buckle the upper case; avoid clamping the wiring during installation. (Fig 3-11)

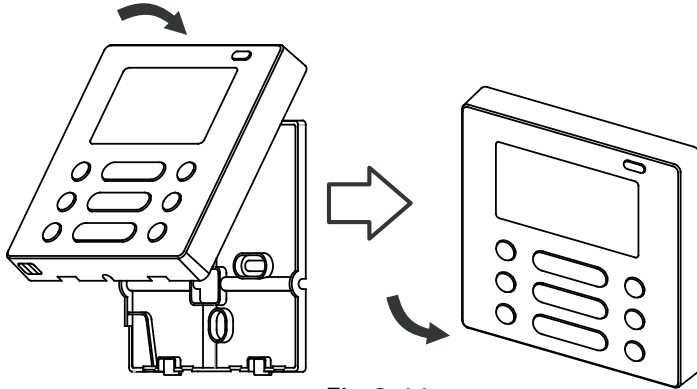


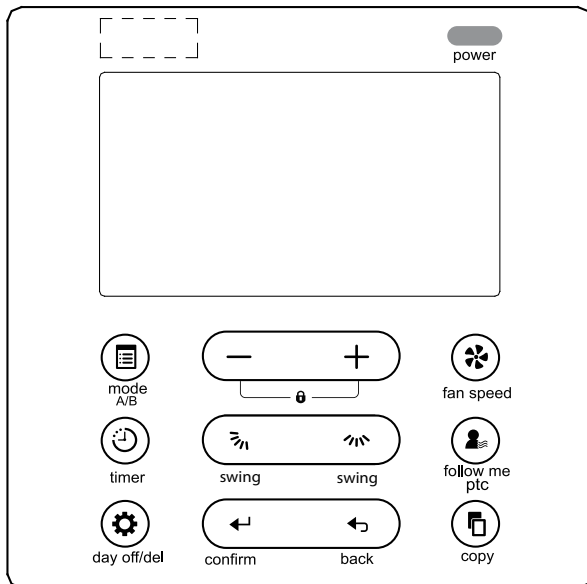
Fig 3-11

All the pictures in this manual are for explanation purpose only.
Your wire controller may be slightly different .The actual shape shall prevail.

4. SPECIFICATION

Input voltage	DC 5V/DC 12V
Ambient temperature	-5~43°C(23~110°F)
Ambient humidity	RH40%~RH90%

5. FEATURE AND FUNCTION OF THE WIRED CONTROLLER



Dimension:

H×W×D(in) 4.80×4.72×3/4

Feature:

LCD display.

Malfunction code display: it can display the error code, helpful for service.

4-way wire layout design, no raised part at backside, more convenient to place the wires and install the device.

Room temperature display.

Weekly Timer.

Function:

Mode: choose Auto-Cool-Dry-Heat-Fan

Fan speed: Auto/Low/Med/High speed

Vertical swing & Horizontal swing (on

some models)

Timer ON/OFF

Temp. setting

Weekly timer

Follow Me

Child Lock

PTC heater (on some models)

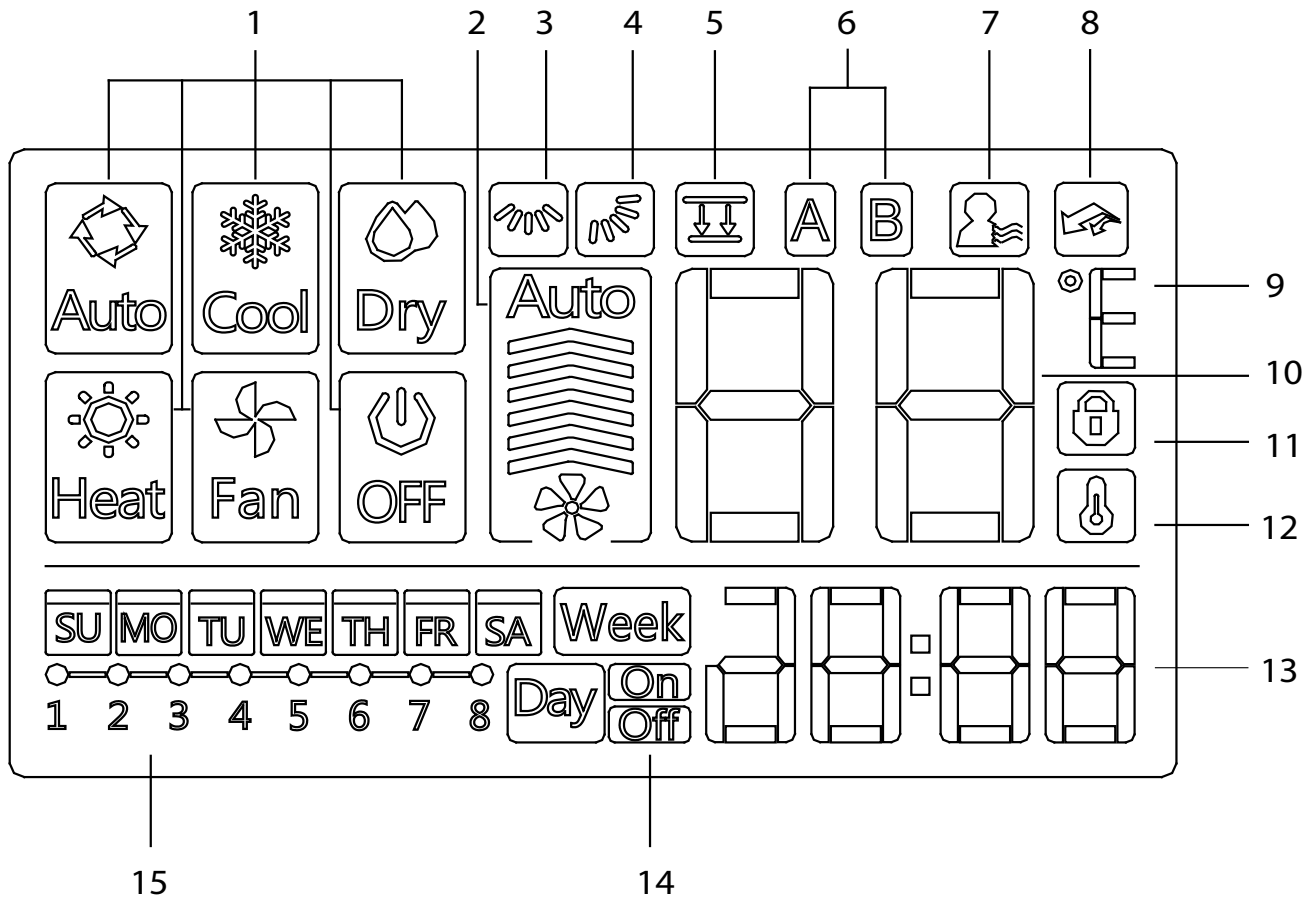
LCD display

Clock

Infrared remote receiver (on some models)

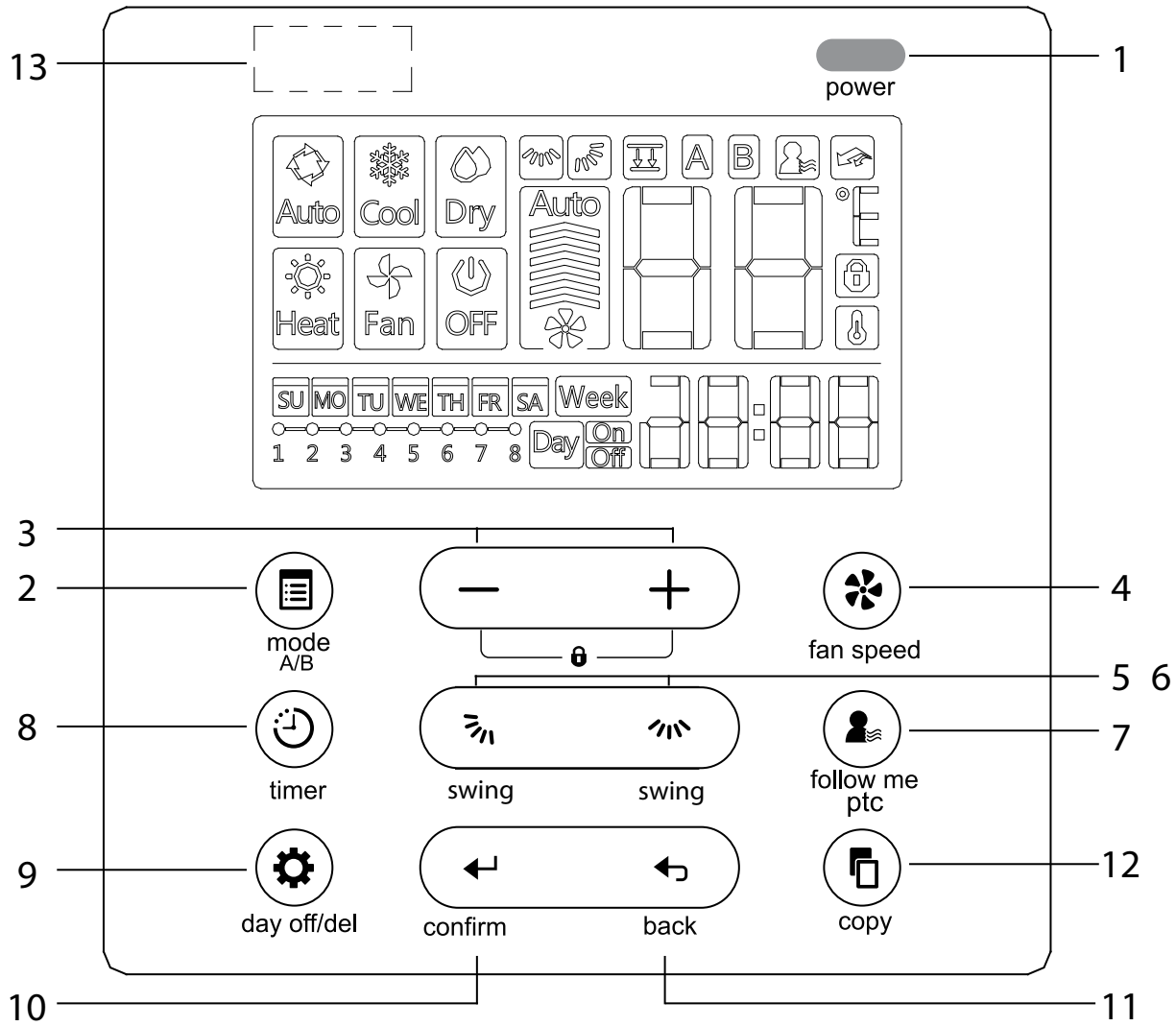
Lifting panel (on some models)

6. LCD OF THE WIRE CONTROLLER



- | | |
|---|--------------------------------|
| 1 Operation mode indication | 8 PTC function indication |
| 2 Fan speed indication | 9 C° / F° indication |
| 3 Left-right swing indication | 10 Temperature display |
| 4 Up-down swing indication | 11 Lock indication |
| 5 Faceplate function indication | 12 Room temperature indication |
| 6 Main unit and secondary unit indication | 13 Clock display |
| 7 Follow me function indication | 14 On/Off timer |

7. BUTTONS ON THE WIRE CONTROLLER



7. BUTTONS ON THE WIRE CONTROLLER

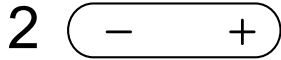
- 1 Power Button
- 2 Mode(A/B) Button
- 3 Adjust Button
- 4 Fan speed Button
- 5 Up-down Airflow Direction and Swing Button
- 6 Left-right Airflow Swing Button
- 7 Follow me(PTC) Button
- 8 Timer Button
- 9 Day off(Del) Button
- 10 Confirm Button
- 11 Back Button
- 12 Copy Button
- 13 Infrared remote receiver (on some models)

8. PREPARATORY OPERATION

Set the current day and time



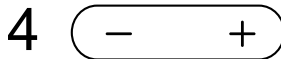
Press the Timer button for 3 seconds or more.
The timer display will flash.



Press the button “ + ” or “ - ” to set the date. The selected date will flash.



The date setting is finished and the time setting is prepared after pressing Timer button or there is no button pressed in 10 seconds.



Press the button “+” or “-” to set the current time.
Press repeatedly to adjust the current time in 1-minute increments.
Press and hold to adjust the current time continuous.



ex.Monday AM 11:20



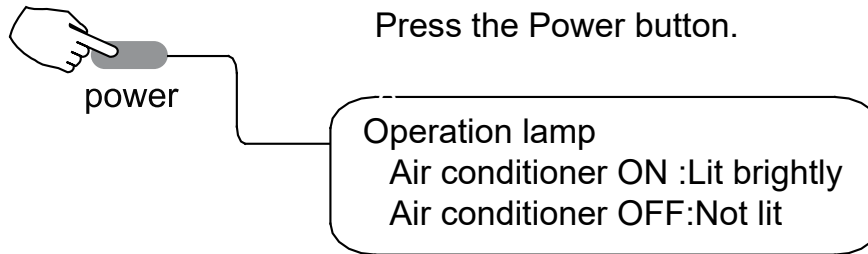
The setting is done after pressing Timer button or there is no button pressed in 10 seconds.

9. OPERATION

Remote signal receiving function

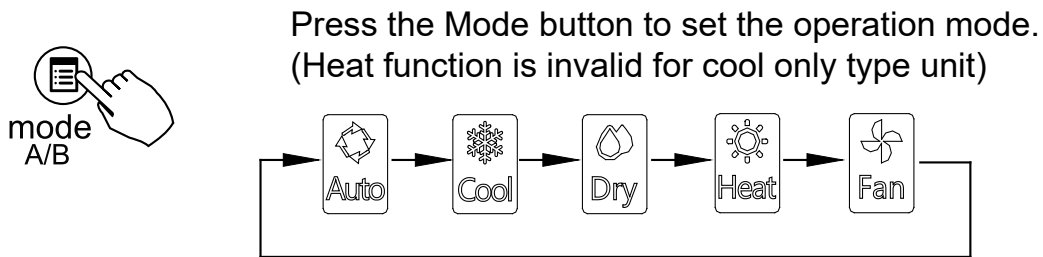
The wired remote controller can be a remote signal receiving device, you can use the wireless remote controller to control the air-conditioner through the wired remote controller when the system has been powered on.

To start/stop operation

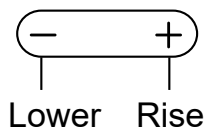


To set the operation mode

Operation mode setting



Room temperature setting



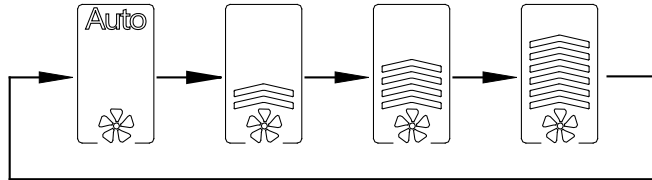
Press the button “ + ” or “ - ” to set the room temperature.
Indoor Setting Temperature Range : 17~30°C (62~86°F)

9. OPERATION

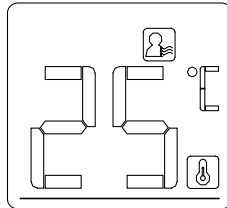
Fan speed setting



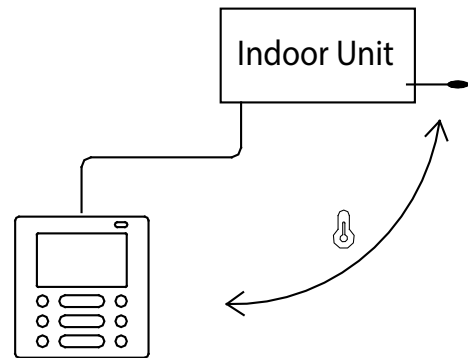
Press the Fan speed button to set the fan speed.
(This button is unavailable when in the mode of Auto or Dry)




Room temperature sensor selection



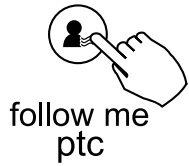
Press the Follow me/PTC button to select whether the room temperature is detected at the indoor unit or the wire controller.



When the Follow me function indication  appears, the room temperature is detected at the wire controller.


9. OPERATION

PTC function (on some models)

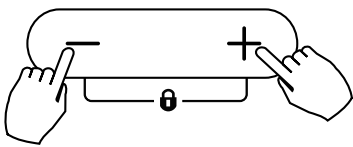


Press the Follow me/PTC button for 2 seconds or more to activate the PTC function,when the unit is under the Heat mode.

Press the buttons again for 2 seconds or more to deactivate the PTC function.

When the PTC function is activated,the  mark appears.(Not applicable to all the models)

Child lock function

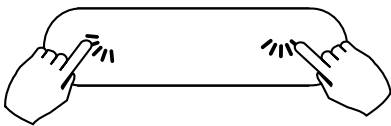




Press and hold “+” and “-” buttons together for 3 seconds or more to activate the child lock function and lock all buttons on the wire controller.

Press the buttons again for 3 seconds or more to deactivate the child lock function.

When the child lock function is activated,the  mark appears.

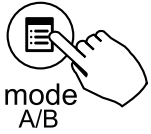
°C & °F scale selection (on some models)




Press and hold  and  buttons together for 3 seconds will alternate the temperature display between the °C&°F scale.

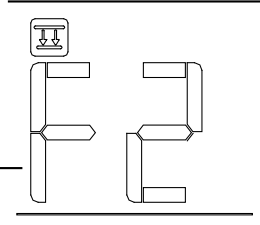
9. OPERATION

Faceplate function (on some models)

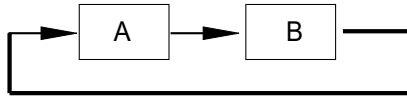


1. When the unit is off, Press the Mode(A/B) button long to activate the faceplate function. The  mark will flash.

The F2 mark appears when the faceplate is adjusted.

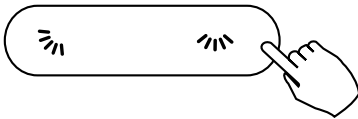



2. Push the Mode(A/B) button to select Unit A or Unit B, the wire controller select in a sequence that goes from (this step do not need to perform if the wire controller is connected with one unit only):




3. Press the button “+” and “-” to control the lift and drop of the faceplate.
Pressing the “+” button can stop the faceplate, while it is dropping.
Pressing the “-” button can stop the faceplate, while it is lifting.

Left-right airflow swing (on some models)

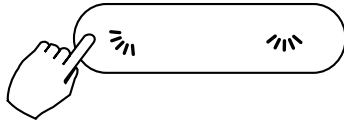


Press the  button to activate the auto Left-right swing feature of the louver. And then the louver would swing automatically. Press it again to stop.

When the auto Left-right swing feature of the louver is activated, the  mark appears. (Not applicable to all the models)

9. OPERATION

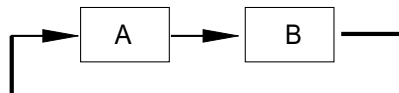
Up-Down airflow direction and swing (on some models)



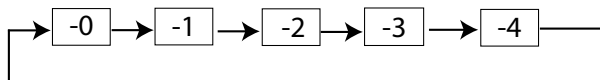
- Use button to adjust the Up-down airflow direction.
 1. When pressing the button once and quickly, the Up-down airflow direction setting feature of the louver is activated. The moving angle of the louver is 6° for each pressing. Keep pressing the button to move the louver to the desired position.
 2. If press the button long, the auto Up-down swing feature of the louver is activated. The louver would swing automatically. Press it again to stop. When the auto Up-down swing feature of the louver is activated, the mark appears. (Not applicable to all the models)
- The operation can refer to the following instructions for the unit with four Up-down louvers can be operated individually.



1. Press the button to activate the Up-down adjusting louver function. The mark will flash. (Not applicable to all the models)
2. Push the Mode(A/B) button to select Unit A or Unit B, the wire controller select in a sequence that goes from (this step do not need to perform if the wire controller is connected with one unit only):



3. Pressing the button “+” and “-” can select the movement of four louvers. Each time you push the button, the wire controller select in a sequence that goes from: (the icon means the four louvers move at the same time.)



4. And then use button to adjust the Up-down airflow direction of the selected louver.

10. TIMER FUNCTIONS

A rectangular icon with the word "Week" inside.

WEEKLY timer

Use this timer function to set operating times for each day of the week.

A rectangular icon with "Day" on the left and "On" on the right.

On timer

Use this timer function to start air conditioner operation. The timer operates and air conditioner operation starts after the time has passed.

A rectangular icon with "Day" on the left and "Off" on the right.

Off timer

Use this timer function to stop air conditioner operation. The timer operates and air conditioner operation stops after the time has passed.

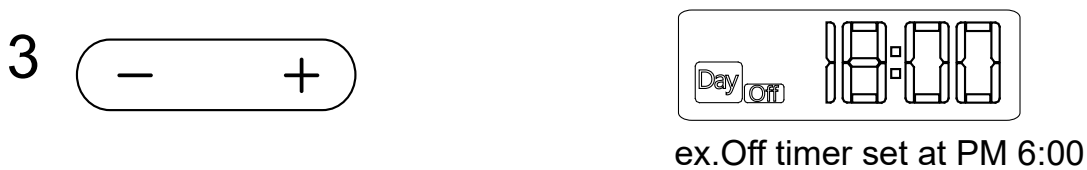
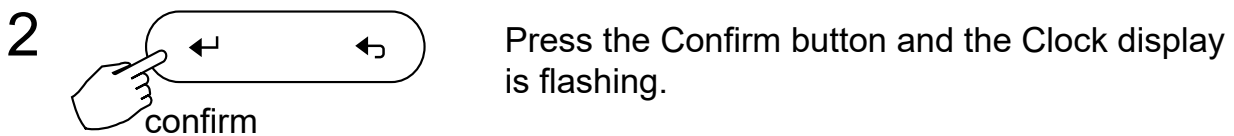
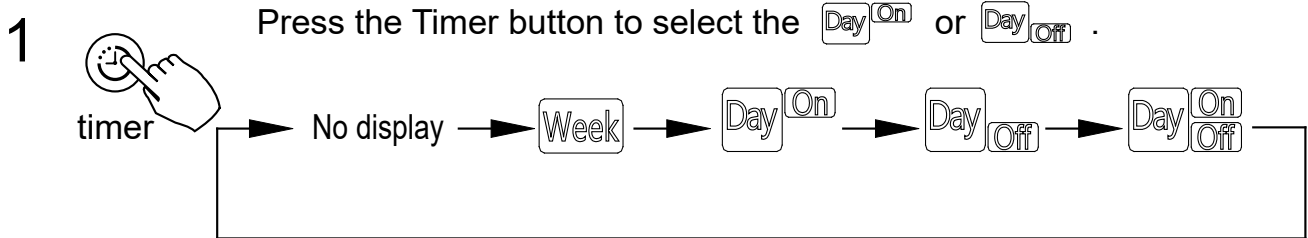
A rectangular icon with "Day" on the left, "On" on the top right, and "Off" on the bottom right.

On and Off timer

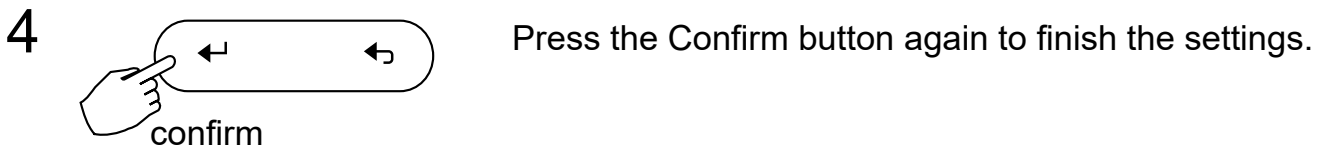
Use this timer function to start and stop air conditioner operation. The timer operates and air conditioner operation starts and stops after the time has passed.

10. TIMER FUNCTIONS

To set the On or Off TIMER






Press the button “ + ” or “ - ” to set the time. After the time is set, the timer will start or stop automatically.



10. TIMER FUNCTIONS


To set the On and Off TIMER


- 1  Press the Timer button to select the .
-

- 2  Press the Confirm button and the Clock display is flashing.
-

- 3   confirm
-

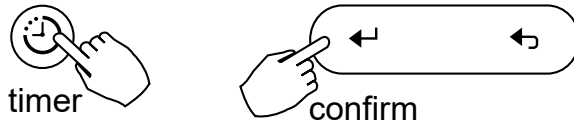
Press the button “ + ” or “ - ” to set the time of On timer, and then press the Confirm button to confirm the setting.

- 4  Press the button “ + ” or “ - ” to set the time of Off timer.
-

- 5  Press the Confirm button to finish the settings.

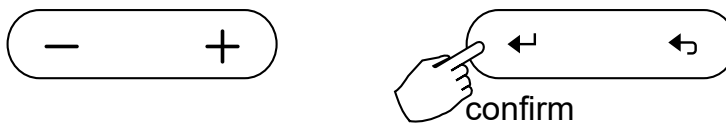
11. WEEKLY TIMER

1 Weekly timer setting

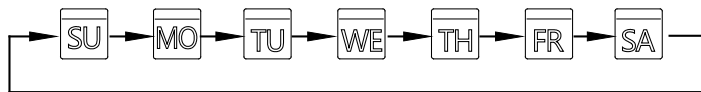


Press the Timer button to select the **Week** and then press the Confirm button to confirm.

2 Day of the week setting



Press the button “ + ” and “ - ” to select the day of the week.and then press the CONFIRM button to confirm the setting.



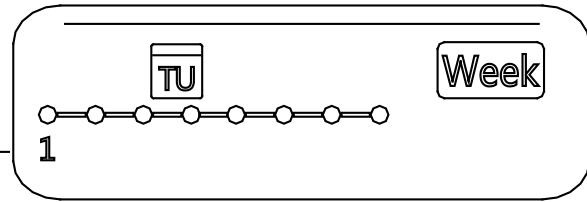
3 Time scale setting



Press the button “ + ” and “ - ” to select the setting time.The setting time,mode, temperature and fan speed will be shown on the LCD,Press the Confirm button to enter the setting-time process.

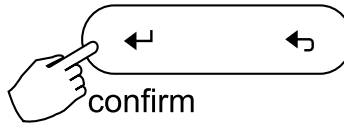
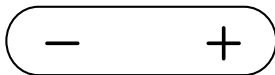
11. WEEKLY TIMER

Up to 8 time scales can be set in one day. Mode, temperature and fan speed in different time scale can be set.



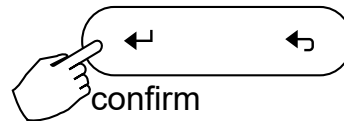
ex. Tuesday time scale 1

4 Time setting

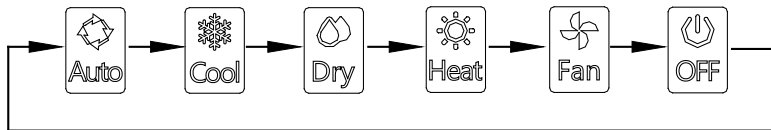


Press the button “ + ” and “ - ” to set the time. and then press the Confirm button to confirm the setting.

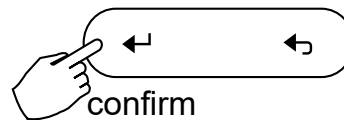
5 Operation mode setting



Press the button “ + ” and “ - ” to set the operation mode . and then press the Confirm button to confirm the setting.



6 Room temperature setting

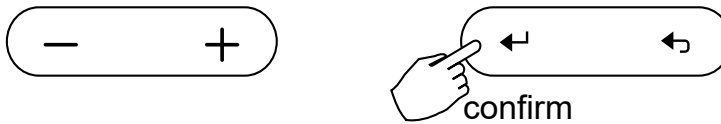


11. WEEKLY TIMER

Press the button “ + ” and “ - ” to set the room temperature .and then press the Confirm button to confirm the setting.

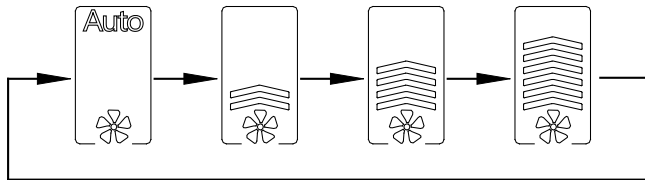
NOTE:This setting is unavailable when in the mode of Fan or Off.

7 Fan speed setting



Press the button “ + ” and “ - ” to set the fan speed .and then press the Confirm button to confirm the setting.

NOTE: This setting is unavailable when in the mode of Auto, Dry or Off



8 Different time scales can be setted by repeating step 3 to 7.

9 Other days in one week can be setted by repeating step 3 to 8.

NOTE:

- The weekly timer setting can be returned to the previous step by pressing Back button.
- The current setting will be restored and withdrawn the weekly timer setting automatically when there is no operation for 30 seconds.

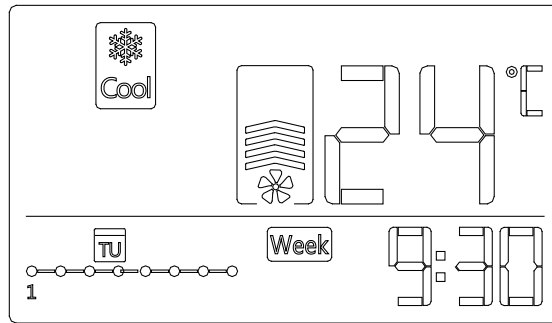
11. WEEKLY TIMER

WEEKLY timer operation

- To start

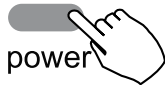


Press the Timer button to select the **Week**, and the the timer starts automatically.



ex.

- To cancel



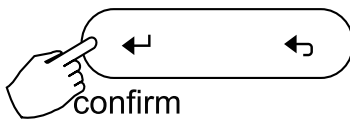
Press the Power button to cancel the timer mode.



The timer mode can also be canceled by changing the timer mode using the Timer button.

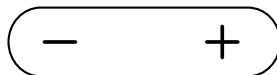
To set the DAY OFF (for a holiday)

1



During the weekly timer, press the Confirm button to set the day.

2



Press the button “+” and “-” to select the day to set the DAY OFF.

11. WEEKLY TIMER

3



Press the Day off button to set the DAY OFF.

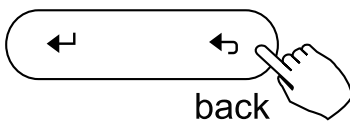


ex. The DAY OFF is set for Wednesday

4

The DAY OFF can be set for other days by repeating the steps 2 and 3.

5



Press the Back button to back to the weekly timer.

- To cancel: Follow the same procedures as those for setup.

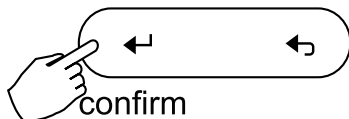
- Notes:

The DAY OFF setting is cancelled automatically after the set day has passed.

Copy out the setting in one day into the other day.

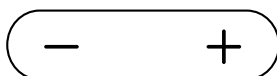
- A reservation made once can be copied to another day of the week.
The whole reservation of the selected day of the week will be copied.
The effective use of the copy mode ensures ease of making reservations.

1




During the weekly timer, press the Confirm button.

2




Press the button “+” and “-” to select the day to copy from.

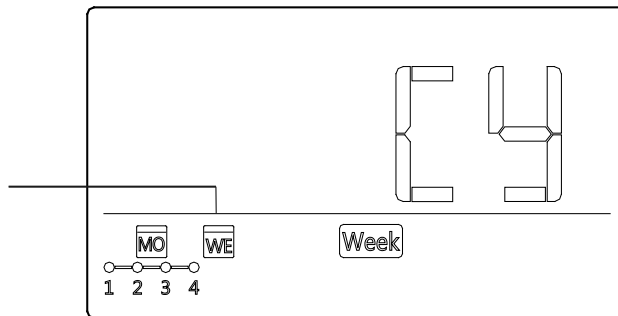
11. WEEKLY TIMER

3  Press the Copy button, the letter "CY" will be shown on the LCD.

4  Press the button "+" and "-" to select the day to copy to.

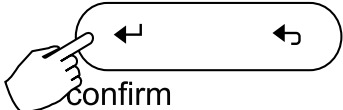
5  Press the Copy button to confirm .

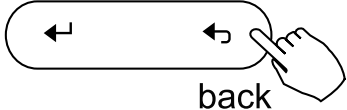
The  mark flashes quickly



ex. Copy the setting of Monday to Wednesday

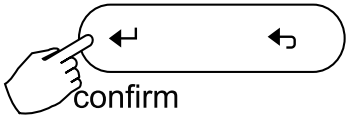
6 Other days can be copied by repeating step 4 and 5.


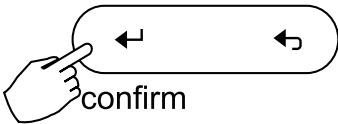
7  Press the Confirm button to confirm the settings.



8  Press the Back button to back to the weekly timer.

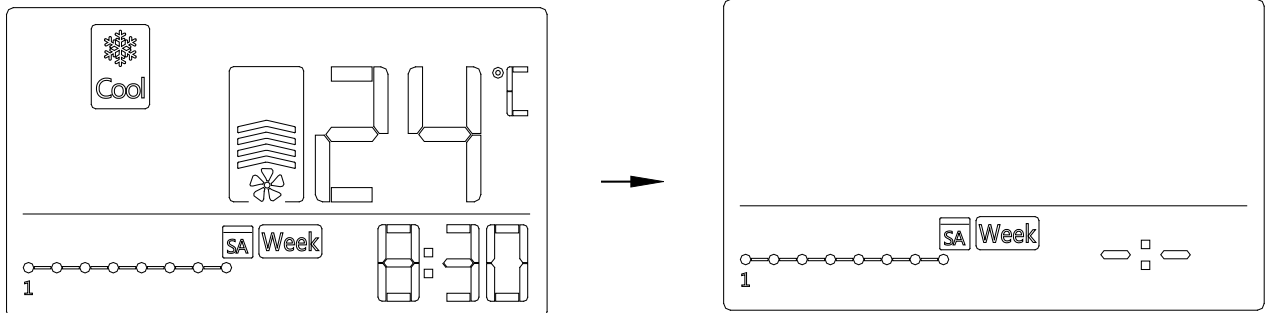
11. WEEKLY TIMER

Delete the time scale in one day.

1  During the weekly timer, press the Confirm button.

2   Press the button “ + ” and “ - ” to select the day of the week.and then press the Confirm button to confirm the setting.

3   Press the button “ + ” and “ - ” to select the setting time want to be deleted. The setting time,mode,temperature and fan speed will be shown on the LCD. The setting time,mode,temperature and fan speed can be deleted by pressing the Day off(Del) button.



ex. Delet the time scale 1 in saturday

12. FAULT ALARM HANDLING

NO.	MALFUNCTION & PROTECTION DEFINE	DISPLAY DIGITAL TUBE
1	Error of communication between wire controler and indoor unit	F0
2	The faceplate is abnormal	F1

Please check the error display of indoor unit and read <<OWNER'S MANUAL>> if other error code appears.

13. TECHNICAL INDICATION AND REQUIREMENT

EMC and EMI comply with the CE certification requirements.

The design and specifications are subject to change without prior notice for product improvement. Consult with the sales agency or manufacturer for details

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.

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