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

■ 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, lectric shock or fire.
Adhere to this installation manual.
Imporper 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 occure.
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.(embeded 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

4.72"

3/4"

4.80"

3.29"

1.81"

2.44"
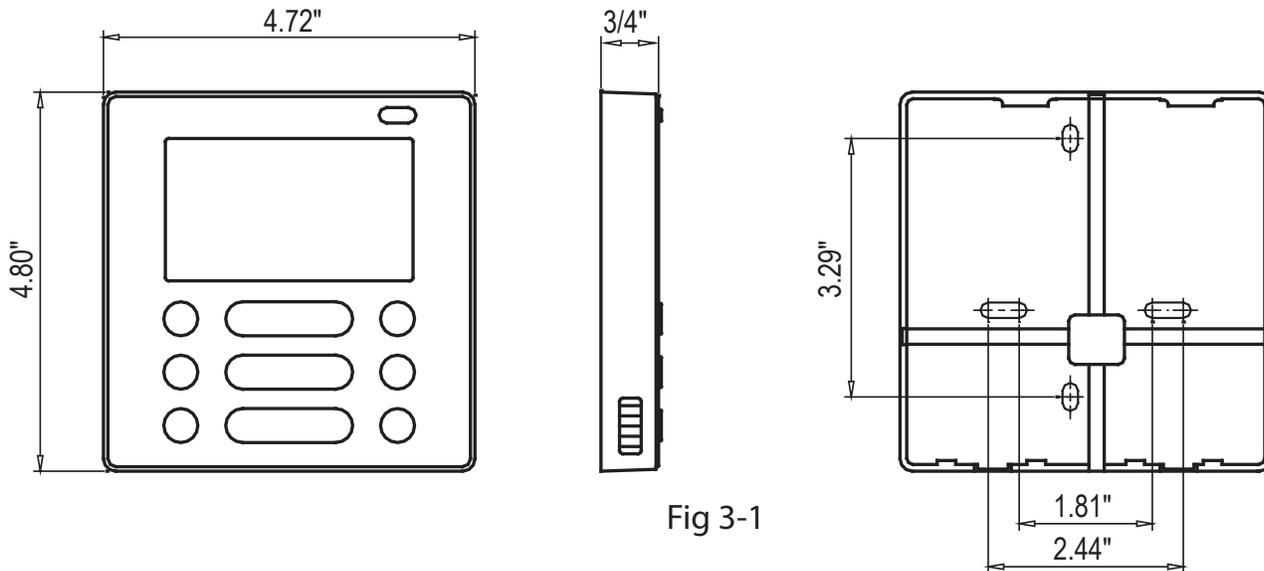
Fig 3-1

2.Wiring Principle Sketch:

| red |
| black |
| yellow |
| brown |

Wire controller

4-Core Shield Cable, the length is decided by installation

Insert of the mainboard CN40

| red |
| black |
| yellow |
| brown |

Indoor unit mainboard

Fig 3-2

4
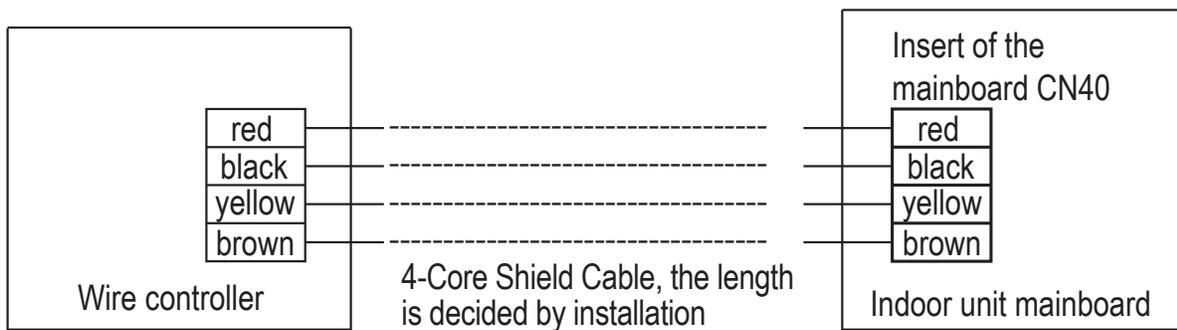
3. INSTALLATION METHOD

3.Wiring figure
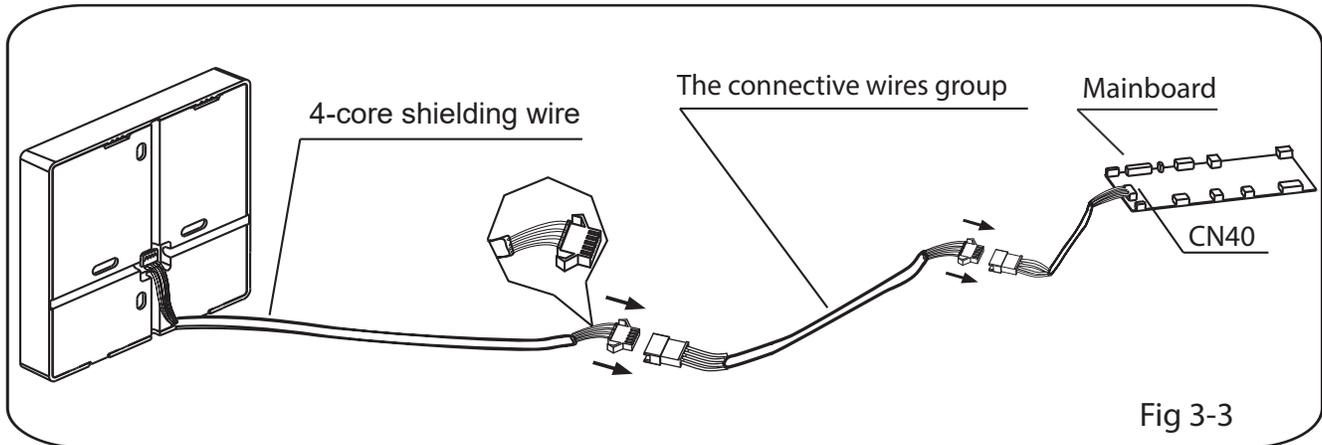
Fig 3-3

- 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.
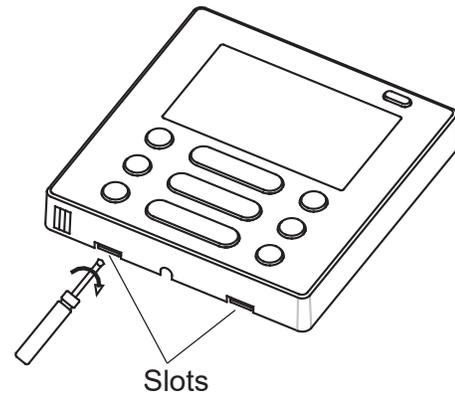
Fig 3-4

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)

Back plate
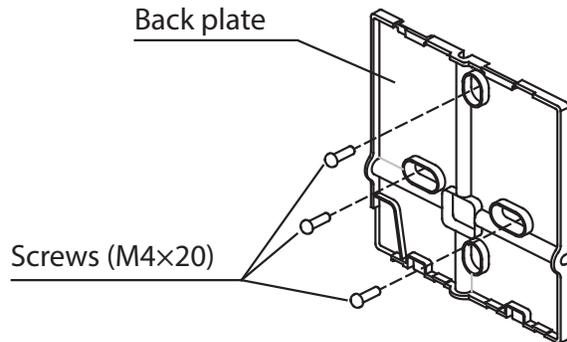
Screws (M4×20)

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)

Switch box

Back plate

Screw (M4×20)

Screws (M4×25)
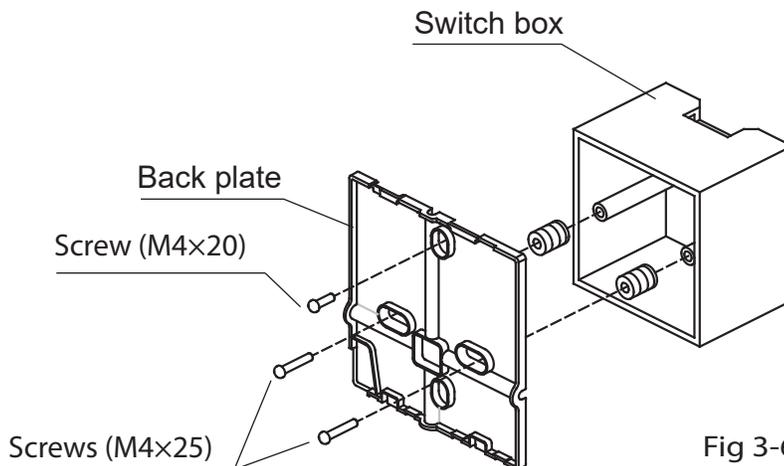
Fig 3-6

⚠ **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
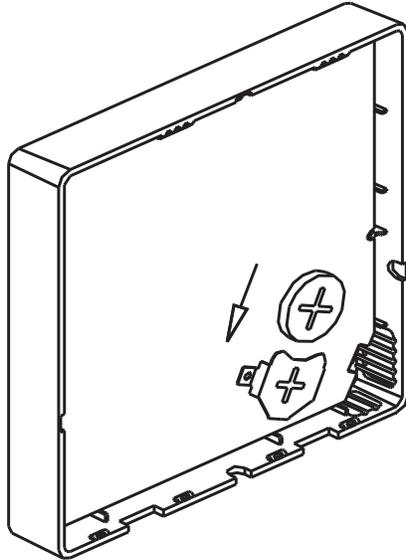
Fig 3-7

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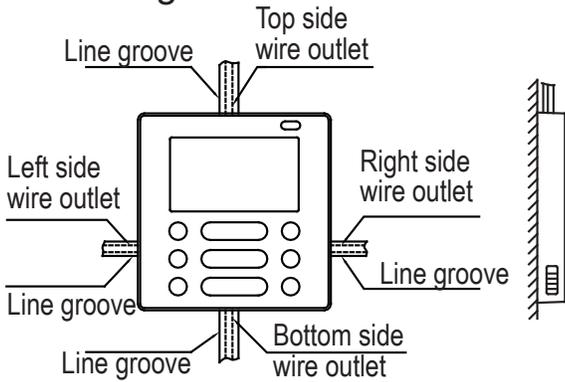
A. For wiring in the slot, four outletting positions. There are three need cutting.

Top side wire outlet

Line groove

Left side wire outlet

Right side wire outlet

Line groove

Line groove

Bottom side wire outlet

Line groove

Cutting place of top side wire outlet

Cutting place of left side wire outlet

Cutting place of right side wire outlet
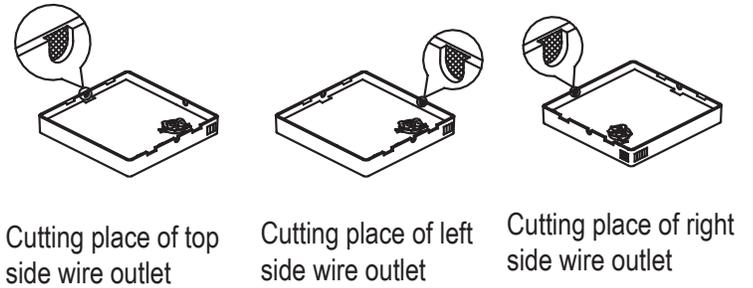
Fig 3-8

B.Shielded wiring

Embedded switch box wiring

Wiring through the wall

Putty

Trap

Putty

Putty

Trap

Trap
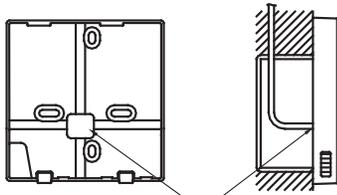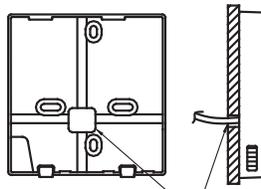
Wiring hole

Wall hole and wiring hole
Diameter of wall hole：Φ20mm

Fig 3-9
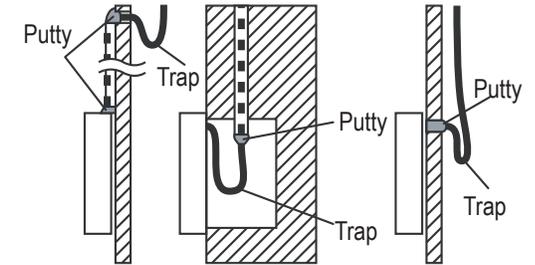
Fig 3-10

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)
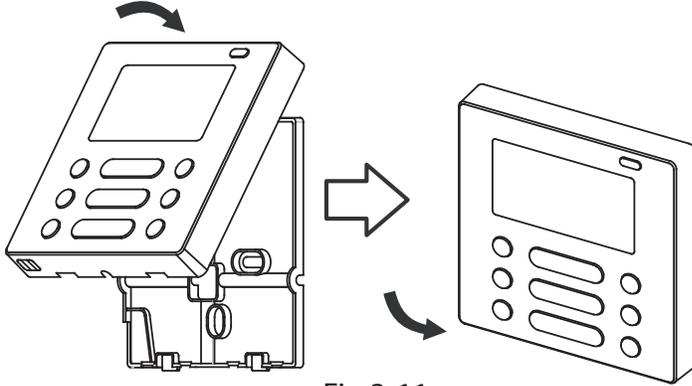
Fig 3-11

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
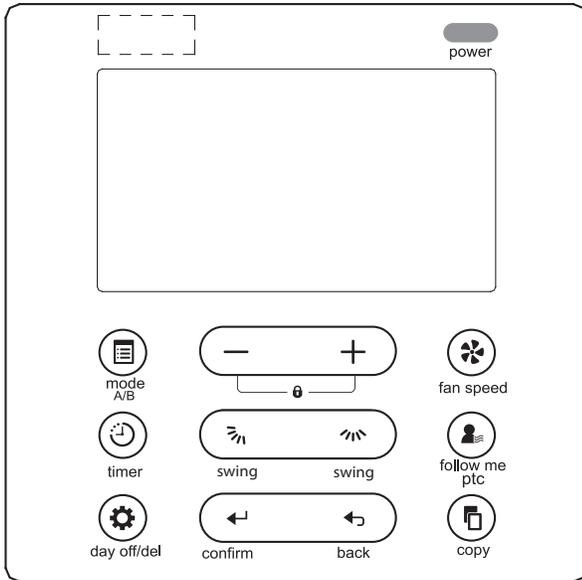
Dimension:
H×W×D(in) 4.80×4.72×3/4

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
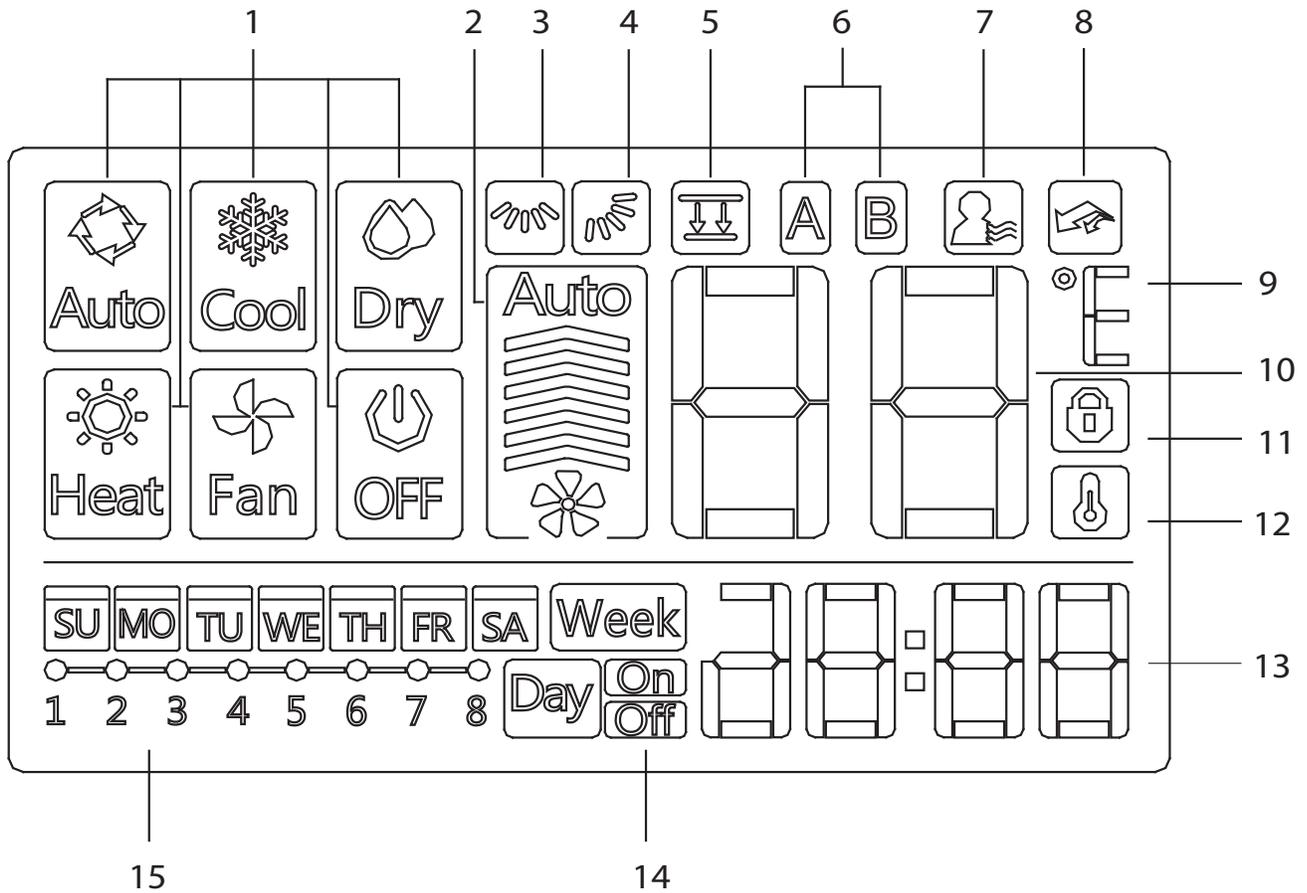
1 Operation mode indication
2 Fan speed indication
3 Left-right swing indication
4 Up-down swing indication
5 Faceplate function indication
6 Main unit and secondary unit indication
7 Follow me function indication

8 PTC function indication
9 C° / F° indication
10 Temperature display
11 Lock indication
12 Room temperature indication
13 Clock display
14 On/Off timer

7. BUTTONS ON THE WIRE CONTROLLER
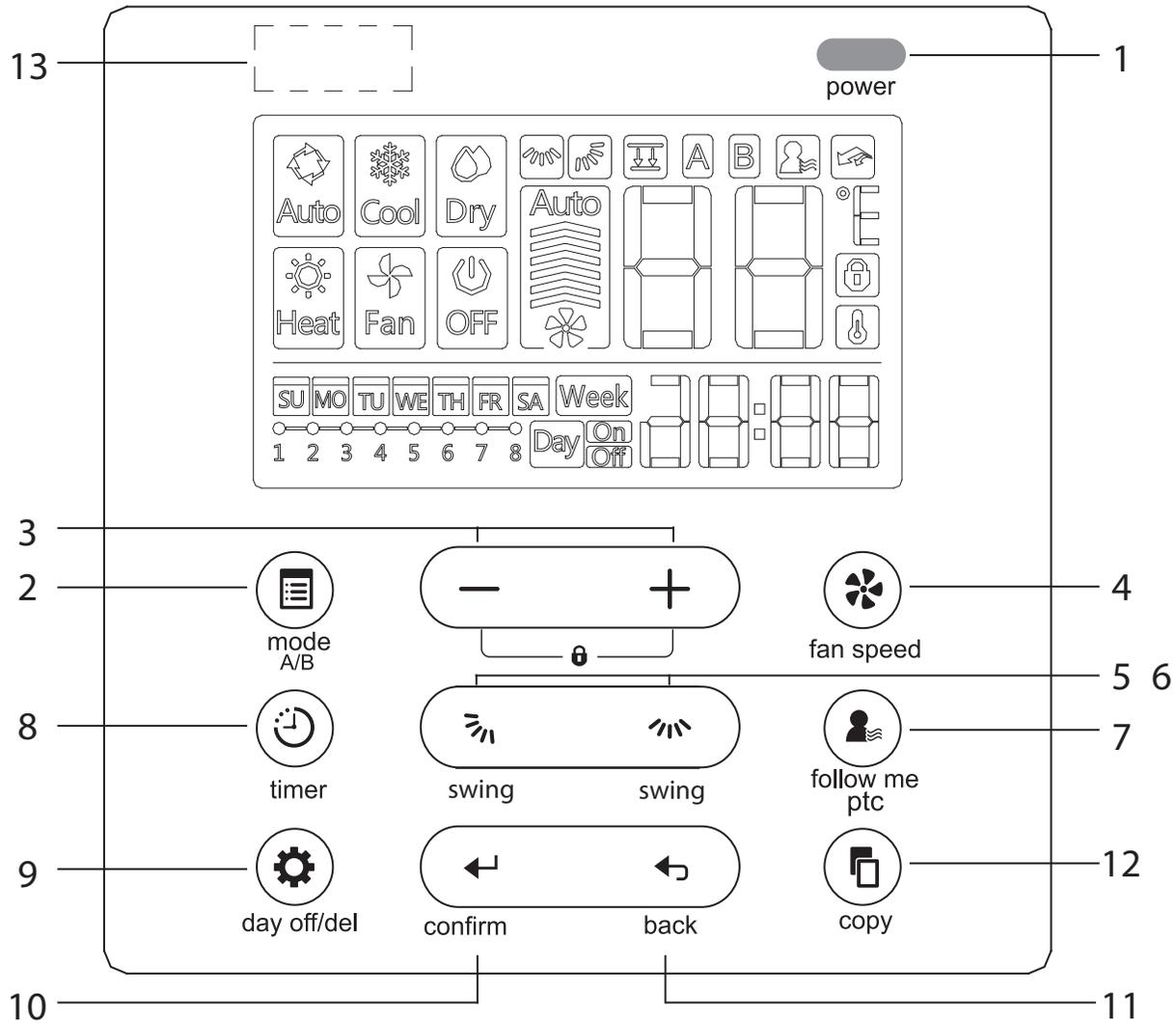
7. BUTTONS ON THE WIRE CONTROLLER

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

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

---

2   (−   +)   Press the button " + " or " - " to set the date. The selected date will flash.

SU → MO → TU → WE → TH → FR → SA

---

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

---

4   (−   +)   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.

MO   11:20

ex.Monday AM 11:20

---

5   timer   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

power

Press the Power button.

Operation lamp
   Air conditioner ON :Lit brightly
   Air conditioner OFF:Not lit
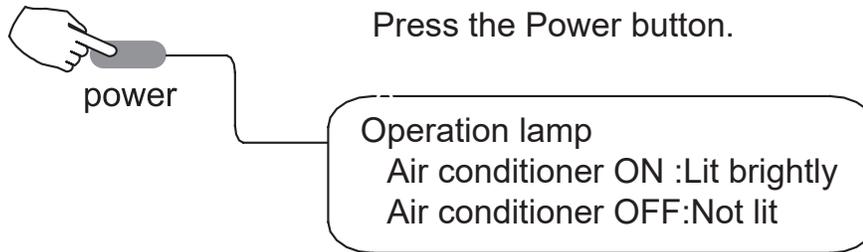
To set the operation mode

Operation mode setting

mode
A/B

Press the Mode button to set the operation mode.
(Heat function is invalid for cool only type unit)

Auto → Cool → Dry → Heat → Fan

Room temperature setting

−   +

Lower   Rise
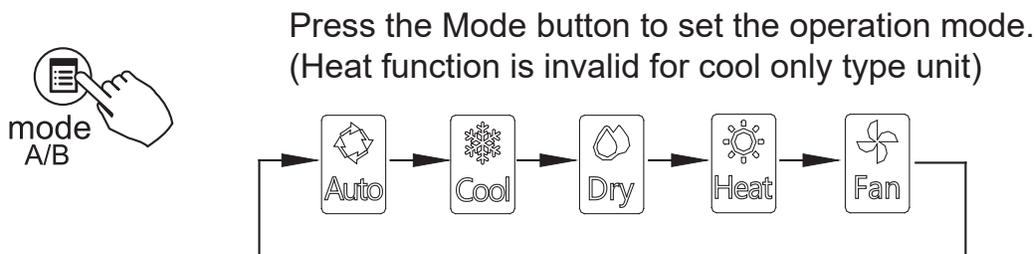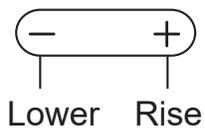
Press the button" + "or " - " to set the room temperature.
Indoor Setting Temperature Range : 17~30℃(62~86℉)

9. OPERATION

Fan speed setting

fan speed

Press the Fan speed button to set the fan speed.
(This button is unavailable when in the mode of Auto or Dry)
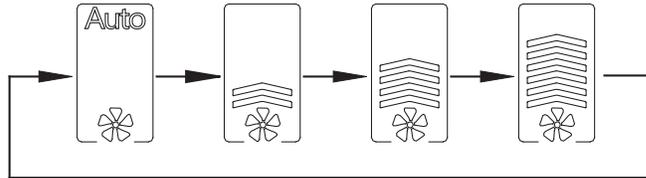
## Room temperature sensor selection
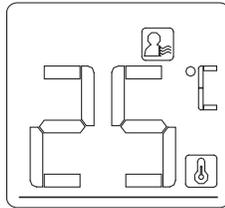
follow me
ptc

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

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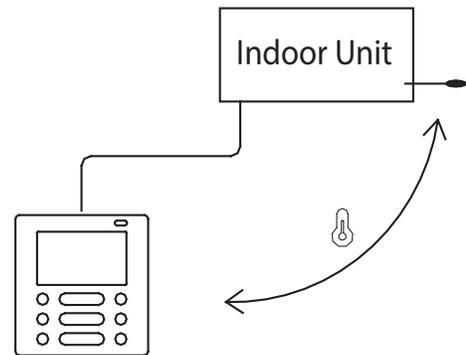
When the Follow me function indication 🖳 appears,the
room temperature is detected at the wire controller.

# 9. OPERATION

PTC function (on some models)

follow me
ptc

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 [icon] mark appears.(Not applicable to all the models)

Child lock function
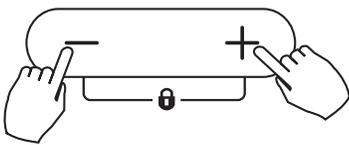
Press and hold "+" and "-" buttons together for 3 seconds or more to activate the child lock function and lock all buttons on the wire controller.
Press the buttons again for 3 seconds or more to deactivate the child lock function.

When the child lock function is activated,the [icon] mark appears.

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

Press and hold [icon] and [icon] buttons together for 3 seconds will alternate the temperature display between the ℃&℉ scale.

9. OPERATION

Faceplate function (on some models)
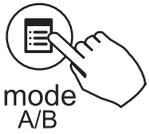
1. When the unit is off，Press the Mode(A/B) button long to activate the faceplate function.The [⊥⊥] mark will flash.

The F2 mark appears when the faceplate is adjusted.
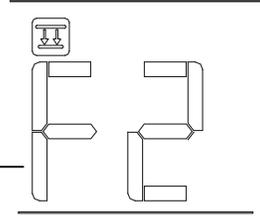
2. Push the Mode(A/B) button to select Unit A or Unit B, the wire controller select in a sequence that goes from(this step do not need to perform if the wire controller is connected with one unit only):

$$A \rightarrow B$$
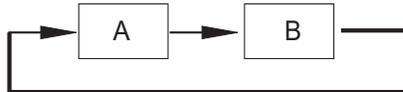
3. Press the button "+" and "-" to control the lift and drop of the faceplate.
   Pressing the "+" button can stop the faceplate,while it is dropping.
   Pressing the "-" button can stop the faceplate,while it is lifting.

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)
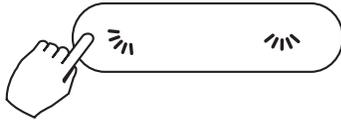
- Use ⚞ button to adjust the Up-down airflow direction.
  1. When pressing the button once and quickly ,the Up-down airflow direction setting feature of the louver is activated. The moving angle of the louver is 6° for each pressing. Keep pressing the button to move the louver to the desired position.
 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):

```
  ┌──────► A ──► B ──┐
  └──────────────────┘
```
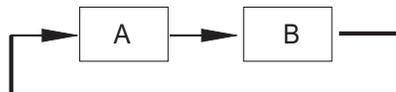
3. Pressing the button "+" and "-" can select the movement of four louvers.Each time you push the button,the wire controller select in a sequence that goes from:(the icon -0 means the four louvers move at the same time.)

```
  ┌─► -0 ─► -1 ─► -2 ─► -3 ─► -4 ─┐
  └──────────────────────────────┘
```
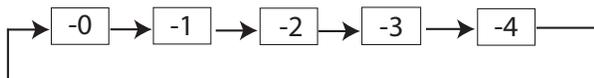
4. And then use ⚞ button to adjust the Up-down airflow direction of the selected louver.

10. TIMER FUNCTIONS

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

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

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

Day On/Off 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

1 Press the Timer button to select the Day On or Day Off .

timer ➤ No display ➤ Week ➤ Day On ➤ Day Off ➤ Day On/Off

2 confirm

Press the Confirm button and the Clock display is flashing.

3 − +

Day Off 18:00

ex.Off timer set at PM 6:00
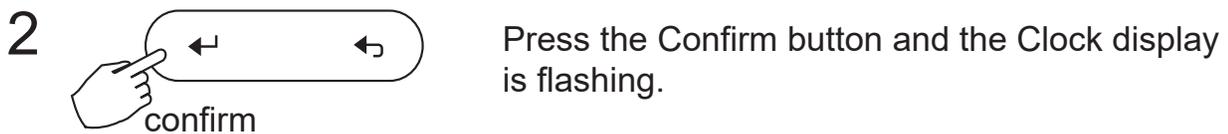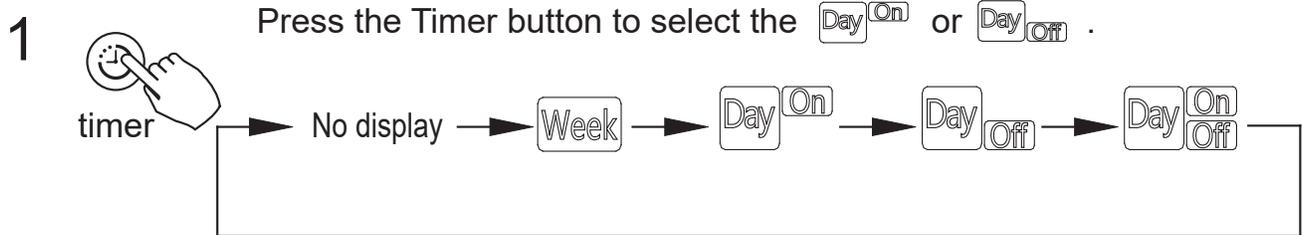
Press the button " + " or " - " to set the time. After the time is set, the timer will start or stop automatically.

4 confirm

Press the Confirm button again to finish the settings.
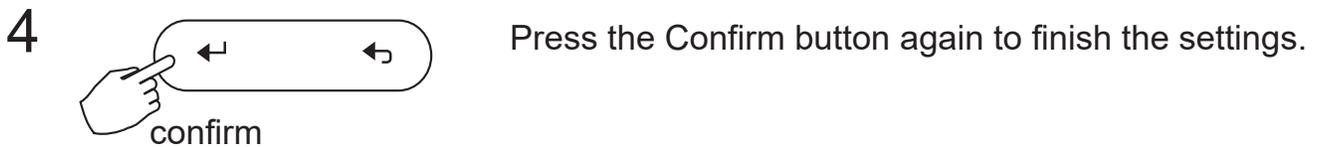
# 10. TIMER FUNCTIONS

To set the On and Off TIMER

1   Press the Timer button to select the Day On/Off .

   timer

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

   confirm

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.
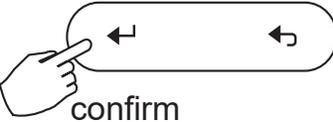
5   Press the Confirm button to finish the settings.

   confirm

11. WEEKLY TIMER

1 Weekly timer setting

timer   confirm

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

2 Day of the week setting
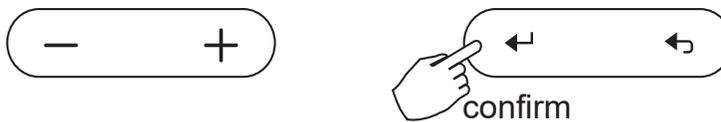
confirm

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

SU → MO → TU → WE → TH → FR → SA
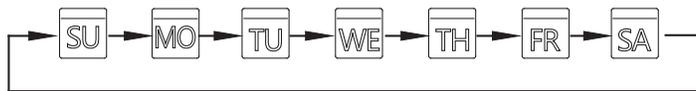
3 Time scale setting

confirm

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.

TU   Week

1
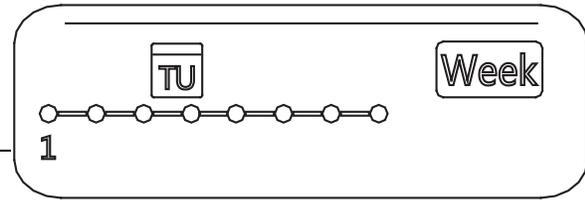
ex.Tuesday time scale 1

## 4 Time setting

— +   ↵ ↩
                 confirm
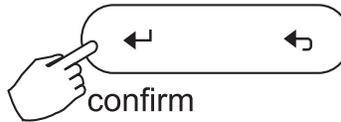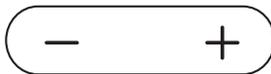
Press the button " + " and " - " to set the time.and then press the Confirm button to confirm the setting.

5 Operation mode setting

— +   ↵ ↩
                 confirm
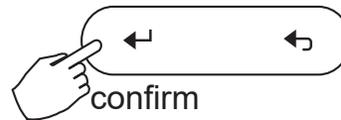
Press the button " + " and " - " to set the operation mode .and then press the Confirm button to confirm the setting.

Auto → Cool → Dry → Heat → Fan → OFF
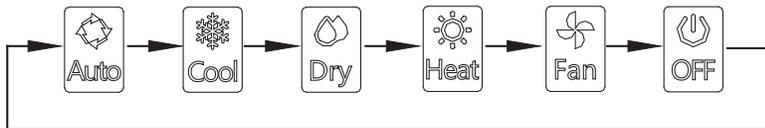
6 Room temperature setting

— +   ↵ ↩
                 confirm
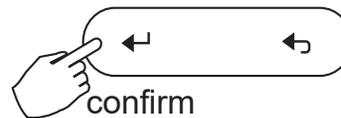
11. WEEKLY TIMER

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
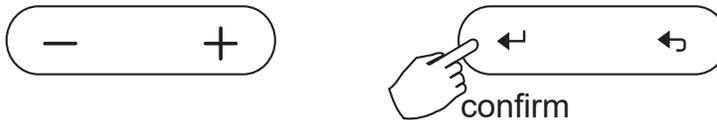
confirm

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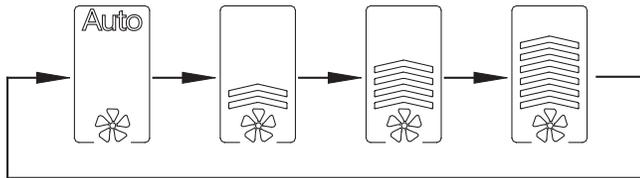
8   Different time scales can be setted by repeating step 3 to 7.

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.

timer

ex.
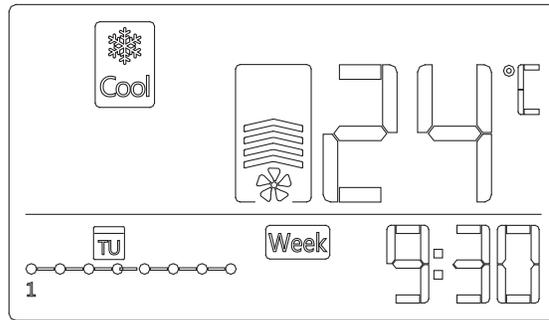
● To cancel

power

Press the Power button to cancel the timer mode.

timer

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 ↵ ↩ confirm

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

day off/del

Press the Day off button to set the DAY OFF.

The WE mark is hidden

| SU | MO | TU | WE | TH | FR | SA | Week |
| 1 | 2 | 3 | 4 |

→

| SU | MO | TU | | TH | FR | SA | Week |
| 1 | 2 | 3 | 4 |

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.
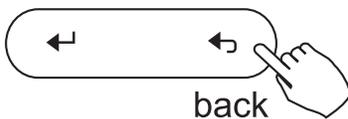
back

● 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.
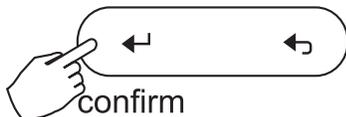
confirm

2 — + Press the button " + " and " - " to select the day to copy from.

11. WEEKLY TIMER

3 copy   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 copy   Press the Copy button to confirm .

The WE mark flashes quickly

MO WE   Week
1 2 3 4
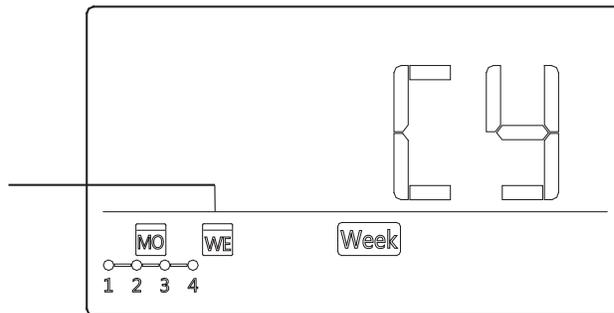
ex. Copy the setting of Monday to Wednesday

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

**7** confirm   Press the Confirm button to confirm the settings.

8 back   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.
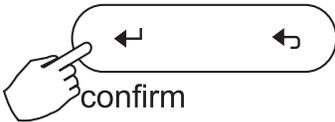
confirm

2

confirm

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

3

day off/del

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.

Cool

SA Week

1

→

SA Week

1
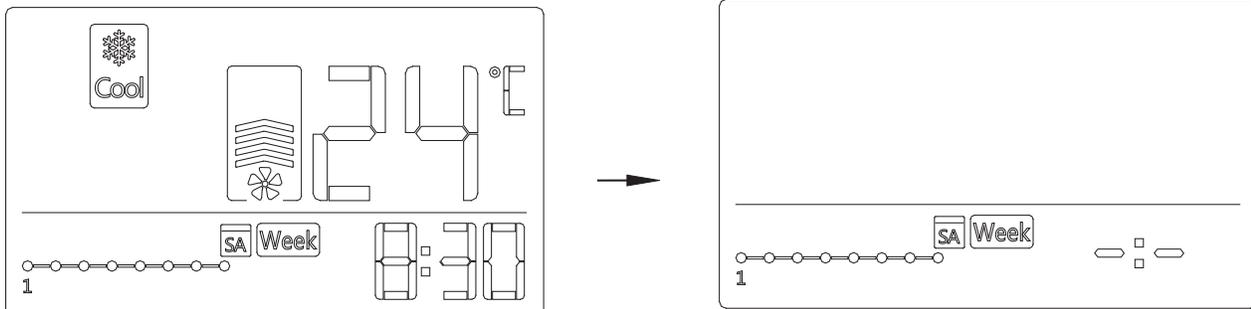
ex. Delet the time scale 1 in saturday

12. FAULT ALARM HANDING

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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