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KLIMATYZATOR KANAŁOWY



**OWNER'S MANUAL**

DUCT TYPE AIR CONDITIONER



**BEDIENUNGSANLEITUNG**

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**KAISAI**

EN

# **DUCT TYPE AIR CONDITIONER**

## Owner's Manual

Thank you for choosing our product.  
For proper operation, please read and keep this manual carefully.

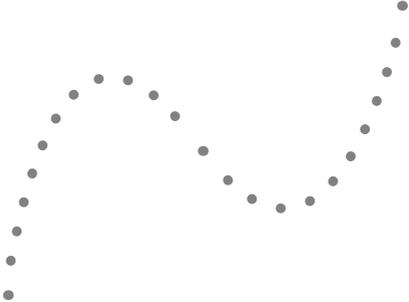
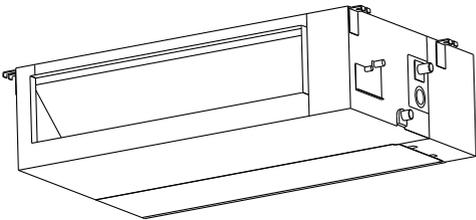
If you have lost the Owner's Manual, please contact the local agent or visit [www.kaisai.com](http://www.kaisai.com)  
or sent email to: [handlowy@kaisai.pl](mailto:handlowy@kaisai.pl), for electronic version.

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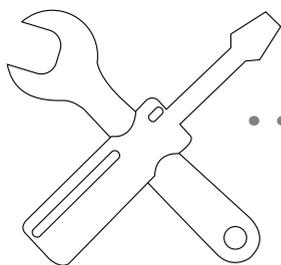


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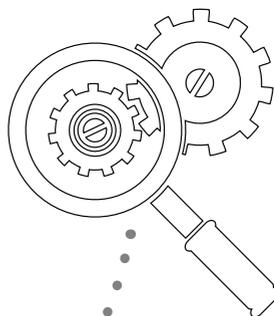


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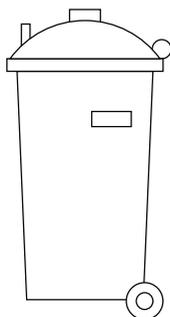
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# Safety Precautions

1

Thank you for purchasing this air conditioner. This manual will provide you with information on how to operate, maintain, and troubleshoot your air conditioner. Following the instructions will ensure the proper function and extended lifespan of your unit.

Please pay attention to the following signs:



WARNING

Failure to observe a warning may result in death. The appliance must be installed in accordance with national regulations.



CAUTION

Failure to observe a caution may result in injury or equipment damage.

## ! WARNING

- Ask an authorized dealer to install this air conditioner. Inappropriate installation may cause water leakage, electric shock, or fire.
- The warranty will be voided if the unit is not installed by professionals.
- If abnormal situation arises (like burning smell), turn off the power supply and call your dealer for instructions to avoid electric shock, fire or injury.
- DO NOT let the indoor unit or the remote control get wet. It may cause electric shock or fire.
- DO NOT insert fingers, rods or other objects into the air inlet or outlet. This may cause injury, since the fan may be rotating at high speeds.
- DO NOT use a flammable spray such as hair spray, lacquer or paint near the unit. This may cause fire or combustion.

## ! CAUTION

- DO NOT touch the air outlet while the swing flap is in motion. Fingers might get caught or the unit may break down.
- DO NOT inspect the unit by yourself. Ask an authorized dealer to perform the inspection.
- To prevent product deterioration, do not use the air conditioner for preservation purposes (storage of food, plants, animals, works of art, etc.).
- DO NOT touch the evaporator coils inside the indoor unit. The evaporator coils are sharp and may cause injury.

- DO NOT operate the air conditioner with wet hands. It may cause electric shock.
- DO NOT place items that might be affected by moisture damage under the indoor unit. Condensation can occur at a relative humidity of 80%.
- DO NOT expose heat-producing appliances to cold air or place them under the indoor unit. This may cause incomplete combustion or deformation of the unit due to the heat.
- After long periods of usage, check the indoor unit to see if anything is damaged. If the indoor unit is damaged, it may fall and cause injury.
- If the air conditioner is used together with other heating devices, thoroughly ventilate the room to avoid oxygen deficiency.
- DO NOT climb onto or place objects on top of the outdoor unit.
- DO NOT operate the air conditioner when using fumigant insecticides. The chemicals may become layered with the unit and endanger those who are hypersensitive to chemicals.
- DO NOT let children play with the air conditioner.
- The air conditioner can be used by children aged 8 years and older and people with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, if they have been given instruction on how to properly and safely operate the system.
- DO NOT operate the air conditioner in a wet room (e.g. bathroom or laundry room). This can cause electrical shock and cause the product to deteriorate.

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## Indoor Unit Parts And Major Functions

# 2

### Unit Parts

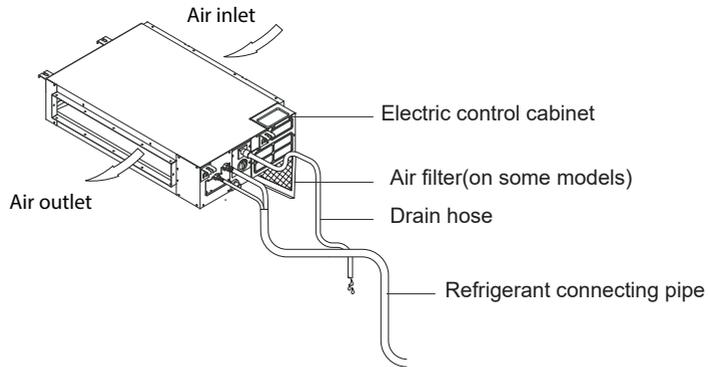


Fig. 2.1

### Operating Conditions

Use the system under the following temperatures for safe and effective operation. If the air conditioner is used under different conditions, it may malfunction or become less efficient.

	COOL Mode	HEAT mode	DRY mode
Indoor Temperature	17-32°C (62-90°F)	0-30°C (32-86°F)	17-32°C (62-90°F)
Outdoor Temperature	0-50°C (32-122°F)	-15-24°C (5-76°F)	0-50°C (32-122°F)
	-15-50°C (5-122°F) (low temperature cooling models)		

## Features

### Default Setting

When the air conditioner restarts after a power failure, it will default to the factory settings (AUTO mode, AUTO fan, 24°C (76°F)).

This may cause inconsistencies on the remote control and unit panel. Use your remote control to update the status.

### Auto-Restart (some models)

In case of power failure, the system will immediately stop. When power returns, the Operation light on the indoor unit will flash. To restart the unit, press the ON/OFF button on the remote control. If the system has an auto restart function, the unit will restart using the same settings.

### Louver Angle Memory Function (Optional)

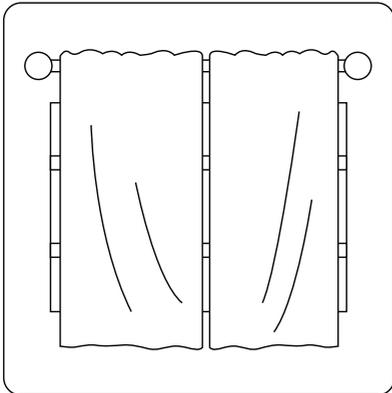
Some models are designed with a louver angle memory function. When the unit restarts after a power failure, the angle of the horizontal louvers will automatically return to the previous position. The angle of the horizontal louver should not be set too small as condensation may form and drip into the machine. To reset the louver, press the manual button, which will reset the horizontal louver settings.

### Refrigerant Leak Detection System (some models)

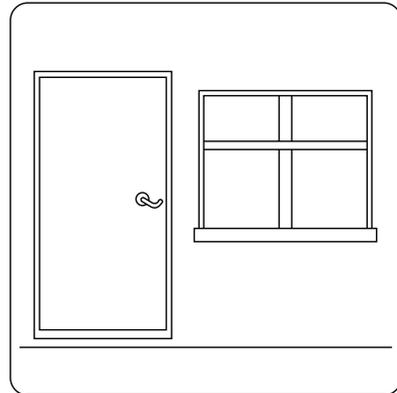
In the event of a refrigerant leak, the LCD screen will display "EC" and the LED indicator light will flash.

## Energy Saving Tips

- **DO NOT** set the unit to excessive temperature levels.
- While cooling, close the curtains to avoid direct sunlight.
- Doors and windows should be kept closed to keep cool or warm air in the room.
- **DO NOT** place objects near the air inlet and outlet of the unit. This will reduce the efficiency of the unit.
- Set a timer and use the built-in SLEEP/ECONOMY mode if applicable.
- If you don't plan to use the unit for a long time, remove the batteries from the remote control.
- Clean the air filter every two weeks. A dirty filter can reduce cooling or heating efficiency.
- Adjust louvers properly and avoid direct airflow.



Closing the curtains while heating also helps keep the heat in



Doors and windows should be kept closed

## Manual Operations

# 3

This display panel on the indoor unit can be used to operate the unit in case the remote control has been misplaced or is out of batteries.

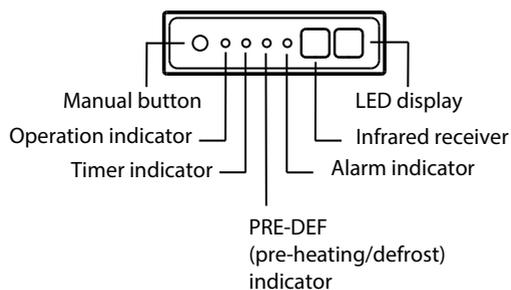


Fig. 3.1

- **MANUAL** button: This button selects the mode in the following order: AUTO, FORCED COOL, OFF.
- **FORCED COOL** mode: In FORCED COOL mode, the Operation light flashes. The system will then turn to AUTO after it has cooled with a high wind speed for 30 minutes. The remote control will be disabled during this operation.
- **OFF** mode: When the panel is turned OFF, the unit turns off and the remote control is re-enabled.

## Care And Maintenance

# 4

### Safety Precautions

- Contact an authorized service technician for repair or maintenance. Improper repair and maintenance may cause water leakage, electrical shock, or fire, and may void your warranty.
- **DO NOT** substitute a blown fuse with a higher or lower amperage rating fuse, as this may cause circuit damage or an electrical fire.
- Make sure the drain hose is set up according to the instructions. Failure to do so could cause leakage and result in personal property damage, fire and electric shock.
- Make sure that all wires are connected properly. Failure to connect wires according to instructions can result in electrical shock or fire.

### Unit Maintenance

#### **!** BEFORE CLEANING OR MAINTENANCE

- Always turn off your air conditioning system and disconnect the power supply before cleaning or maintenance.
- **DO NOT** use chemicals or chemically treated cloths to clean the unit.
- **DO NOT** use benzene, paint thinner, polishing powder or other solvents to clean the unit. They can cause the plastic surface to crack or deform.
- **DO NOT** wash the unit under running water. Doing so creates an electrical hazard.
- **DO NOT** use water hotter than 40°C (104°F) to clean the front panel. This can cause the panel to become deformed or discolored.
- Clean the unit using a damp, lint-free cloth and neutral detergent. Dry the unit with a dry, lint-free cloth.

### How To Clean The Air Filter

The filter prevents dust and other particles from entering the indoor unit. Dust buildup can reduce the efficiency of the air conditioner. For optimum efficiency, clean the air filter every two weeks or more frequently if you live in a dusty area. Replace the filter with a new one if it's heavily clogged and cannot be cleaned.

#### **!** WARNING: DO NOT REMOVE OR CLEAN THE FILTER BY YOURSELF

Removing and cleaning the filter can be dangerous. Removal and maintenance must be performed by a certified technician.

NOTE: In households with animals, you will have to periodically wipe down the grille to prevent animal hair blocking airflow.

1. For your purchasing unit is a rear ventilated one, please remove the filter fixed screws (2 screws) and take down the filter away from the unit.

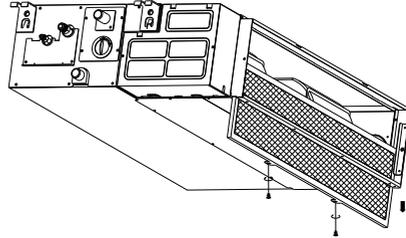


Fig. 4.1

2. For your purchasing unit is a descensional ventilated one, please push the filter up slightly to let the position retainer escape away from the flange fixed holes, and take off the filter according to the arrow direction shows in the following fig.

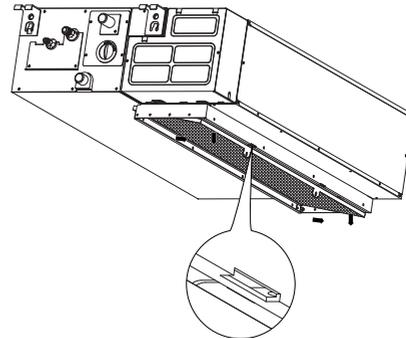


Fig. 4.2

4. Remove the air filter.
5. Clean the air filter by vacuuming the surface or washing it in warm water with mild detergent.

A. If using a vacuum cleaner, the inlet side should face the vacuum.

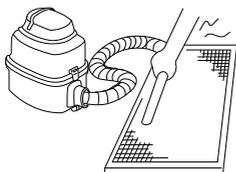


Fig. 4.4

B. If using water, the inlet side should face down and away from the water stream.

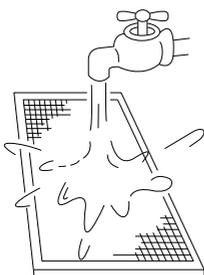


Fig. 4.5

6. Rinse the filter with clean water and allow it to air-dry. **DO NOT** let the filter dry in direct sunlight.
7. Reinstall the filter.

## Repairing Refrigerant Leaks

### ⚠ WARNING

- If the refrigerant leaks, turn off the air conditioner and any combustible heating devices, ventilate the room and call your dealer immediately. Refrigerant is both toxic and flammable. **DO NOT** use the air conditioner until the leak is repaired.
- When the air conditioner is installed in a small room, measures must be taken to prevent the refrigerant concentration from exceeding the safety limit in the event of refrigerant leakage. Concentrated refrigerant causes a severe health and safety threat.

Refrigerant Leak Detection System (some models)

- In the event of a refrigerant leak, the LCD screen will display "EC" and the LED indicator light will flash.

## Preparation For Periods Of Non-Use

Maintenance after Extended Non-Use

1. Remove any obstacles blocking the vents of both the indoor and outdoor units.
2. Clean the air filter and the front grille of the indoor unit. Reinstall the clean, dry air filter in its original position.
3. Turn on the main power switch at least 12 hours prior to operating the unit.

Storing the Unit While Not In Use

1. Run the appliance on FAN mode for 12 hours in a warm room to dry it and prevent mold.
2. Turn off the appliance and unplug it.
3. Clean the air filter according to the instructions in the previous section. Reinstall the clean, dry filter before storing.
4. Remove the batteries from the remote control.

## Troubleshooting

# 5

### ! CAUTIONS

If one of the following conditions occurs, switch off the power supply immediately and contact your dealer for further assistance.

- The operation light continues to flash rapidly after the unit has been restarted.
- The remote control buttons do not work.
- The unit continually trips fuses or circuit breakers.
- A foreign object or water enters the air conditioner.
- The indoor unit leaks.

### Common Problems

The following symptoms are not a malfunction and in most situations will not require repairs.

Problem	Possible Causes
Unit does not turn on when pressing ON/OFF button	The unit has a 3-minute protection feature that prevents the unit from overloading. The unit cannot be restarted within three minutes of being turned off.
	Cooling and Heating Models: If the Operation light and PRE-DEF (Pre-heating/Defrost) indicators are lit up, the outdoor temperature is too cold and the unit's anti-cold wind is activated in order to defrost the unit.
	In Cooling-only Models: If the "Fan Only" indicator is lit up, the outdoor temperature is too cold and the unit's anti-freeze protection is activated in order to defrost the unit.
The unit changes from COOL mode to FAN mode	The unit changes its setting to prevent frost from forming on the unit. Once the temperature increases, the unit will start operating again.
	The set temperature has been reached, at which point the unit turns off the compressor. The unit will resume operating when the temperature fluctuates again.
The indoor unit emits white mist	In humid regions, a large temperature difference between the room's air and the conditioned air can cause white mist.
Both the indoor and outdoor units emit white mist	When the unit restarts in HEAT mode after defrosting, white mist may be emitted due to moisture generated from the defrosting process.
The indoor unit makes noises	A squeaking sound is heard when the system is OFF or in COOL mode. The noise is also heard when the drain pump (optional) is in operation.
	A squeaking sound may occur after running the unit in HEAT mode due to expansion and contraction of the unit's plastic parts.
Both the indoor unit and outdoor unit make noises	A low hissing sound may occur during operation. This is normal and is caused by refrigerant gas flowing through both the indoor and outdoor units.
	A low hissing sound may be heard when the system starts, has just stopped running or is defrosting. This noise is normal and is caused by the refrigerant gas stopping or changing direction.
The outdoor unit makes noises	The unit will make different sounds based on its current operating mode.

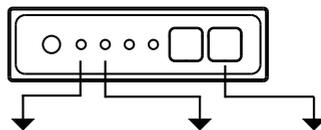
Problem	Possible Causes
Dust is emitted from either the indoor or outdoor unit	The unit may accumulate dust during extended periods of non-use, which will be emitted when the unit is turned on. This can be mitigated by covering the unit during long periods of inactivity.
The unit emits a bad odor	The unit may absorb odors from the environment (such as furniture, cooking, cigarettes, etc.) which will be emitted during operations.
	The unit's filters have become moldy and should be cleaned.
The fan of the outdoor unit does not operate	During operation, the fan speed is controlled to optimize product operation.

### Troubleshooting Tips

When troubles occur, please check the following points before contacting a repair company.

Problem	Possible Causes	Solution
The unit is not working	Power failure	Wait for the power to be restored
	The power switch is off	Turn on the power
	The fuse is burned out	Replace the fuse
	Remote control batteries are dead	Replace the remote control batteries
	The unit's 3-minute protection has been activated	Wait three minutes after restarting the unit
Poor cooling performance	Temperature setting may be higher than the ambient room temperature	Lower the temperature setting
	The heat exchanger on the indoor or outdoor unit is dirty	Clean the affected heat exchanger
	The air filter is dirty	Remove the filter and clean it according to instructions
	The air inlet or outlet of either unit is blocked	Turn the unit off, remove the obstruction and turn it back on
	Doors and windows are open	Make sure that all doors and windows are closed while operating the unit
	Excessive heat is generated by sunlight	Close windows and curtains during periods of high heat or bright sunshine
	Low refrigerant due to leak or long-term use	Check for leaks, re-seal if necessary and top off refrigerant
The unit starts and stops frequently	There's too much or too little refrigerant in the system	Check for leaks and recharge the system with refrigerant
	There is air, incompressible gas or foreign material in the refrigeration system.	Evacuate and recharge the system with refrigerant
	System circuit is blocked	Determine which circuit is blocked and replace the malfunctioning piece of equipment
	The compressor is broken	Replace the compressor
	The voltage is too high or too low	Install a manostat to regulate the voltage
Poor heating performance	The outdoor temperature is lower than 7°C (44.5°F)	Check for leaks and recharge the system with refrigerant
	Cold air is entering through doors and windows	Make sure that all doors and windows are closed during use
	Low refrigerant due to leak or long-term use	Check for leaks, re-seal if necessary and top off refrigerant

## Error Codes



Number	Cause	The number of flashes per second	Timer indicator	Error Code
1	Indoor EEPROM (Electrically Erasable Programmable Read-Only Memory) error	1	Off	E0
2	Indoor and outdoor unit communication malfunction	2	Off	E1
3	Indoor fan speed malfunction	4	Off	E3
4	Indoor room temperature sensor error	5	Off	E4
5	Evaporator coil temperature sensor error	6	Off	E5
6	Refrigerant leak detection system malfunction	7	Off	EC
7	Water level alarm malfunction	8	Off	EE
8	Dual indoor unit (twin model only) communication malfunction	9	Off	E8
9	Other twin model malfunction	10	On	E9
10	Overload protection	1	On	F0
11	Outdoor temperature sensor error	2	On	F1
12	Outdoor condenser pipe sensor error	3	On	F2
13	Discharge air temperature sensor error	4	On	F3
14	Outdoor EEPROM (Electrically Erasable Programmable Read-Only Memory) error	5	On	F4
15	Outdoor fan speed (DC fan motor only) malfunction	6	On	F5
16	T2b sensor error	7	On	F6
17	Inverter module IPM protection	1	Flash	P0
18	High/Low voltage protection	2	Flash	P1
19	Compressor top overheating protection	3	Flash	P2
20	Outdoor low temperature protection	4	Flash	P3
21	Compressor drive error	5	Flash	P4
22	Mode conflict	6	Flash	P5
23	Compressor low-pressure protection	7	Flash	P6
24	Outdoor IGBT sensor error	8	Flash	P7

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## European Disposal Guidelines

# 6

Users in European Countries may be required to properly dispose of this unit. This appliance contains refrigerant and other potentially hazardous materials. When disposing of this appliance, the law requires special collection and treatment. DO NOT dispose of this product as household waste or unsorted municipal waste.

When disposing of this appliance, you have the following options:

- Dispose of the appliance at designated municipal electronic waste collection facility.
- When buying a new appliance, the retailer will take back the old appliance free of charge.
- The manufacturer will also take back the old appliance free of charge.
- Sell the appliance to certified scrap metal dealers.

**NOTE:** Disposing of this appliance in the forest or other natural surroundings endangers your health and is bad for the environment. Hazardous substances may leak into the ground water and enter the food chain.



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

**KAISAI**

# **AIR CONDITIONER REMOTE CONTROLLER**

EN

## **Installation and Owner's Manual**

Thank you for choosing our product.  
For proper operation, please read and keep this manual carefully.

If you have lost the Owner's Manual, please contact the local agent or visit [www.kaisai.com](http://www.kaisai.com)  
or sent email to: [handlowy@kaisai.pl](mailto:handlowy@kaisai.pl), for electronic version.

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- 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.

# 1. SAFETY PRECAUTION

- 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.

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

Don't install at the place where cover with heavy oil, vapor or sulfureted gas, otherwise, this product would be deformed that would lead to system malfunction.

### Preparation before installation

1. Please confirm that all the following parts you have been supply.

No.	Name	Qty.	Remarks
1	Wire controller	1	_____
2	Installation and owner's manual	1	_____
3	Screws	3	M3.9X25 (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	Battery	1	
8	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

## 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 controller working in low voltage loop circuit. Forbid to directly contact the cable of 220V commercial electricity or of 380V high voltage, and don't wire this kind of wire in the said loop; wiring clearance between configured tubes should at the range of 300~500mm or above.
3. The Shielded wire of the wire controller must be grounded reliable.
4. Upon finish the wire controller connection, do not employed tramegger to detect the insulation.

# 3. INSTALLATION METHOD

## 1.Wired remote controller structure size figure

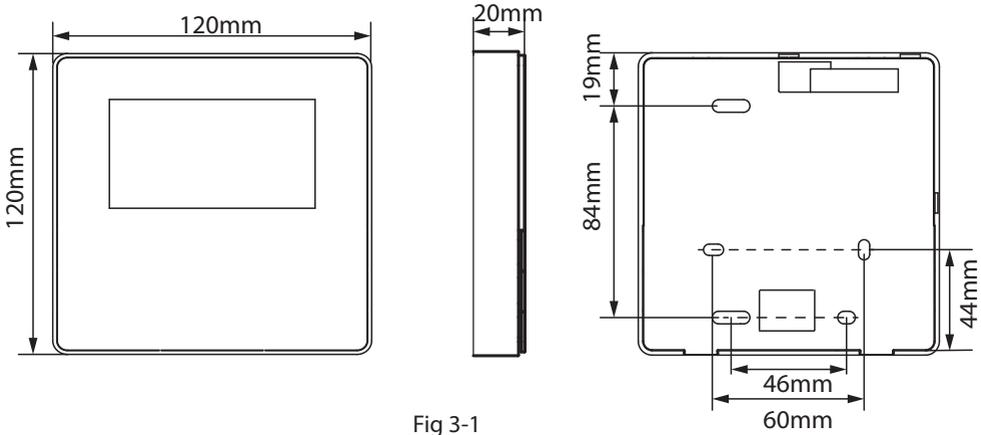


Fig 3-1

## 2.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.3-2)



### NOTICE

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

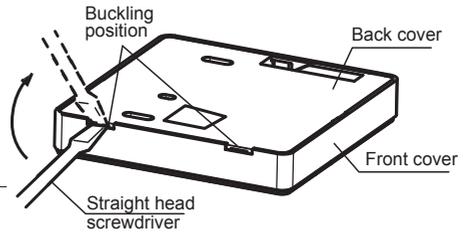


Fig 3-2

### 3. INSTALLATION METHOD

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#### 3. 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.3-3)

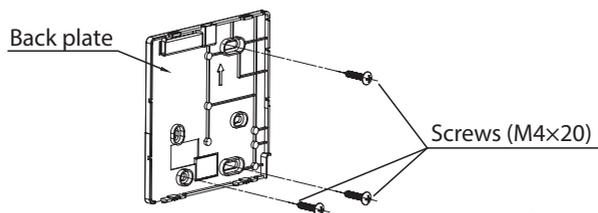


Fig 3-3

- Use two M4X25 screws to install the back cover on the 86 switch box, and use one M3.9X25 screw to fix to the wall. (Fig.3-4)

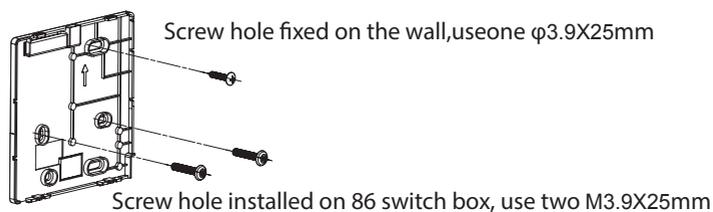


Fig 3-4



#### NOTICE

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

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### 3. INSTALLATION METHOD

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#### 4. Battery installation

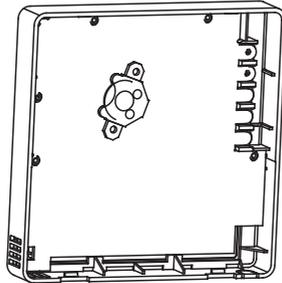


Fig 3-5

- Put the battery into the installation site and make sure the positive side of the battery is in accordance with the positive side of the installation site. (See Fig.3-5)
- Please set the time corrected on the first time operation. Batteries in the wire controller can timing under power failure which ensure the time keep right. When the power restores, if the time displayed is not correct, it means the battery is dead and replace the battery.

### 3. INSTALLATION METHOD

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#### 5. Wire the indoor unit

method  
from the bottom

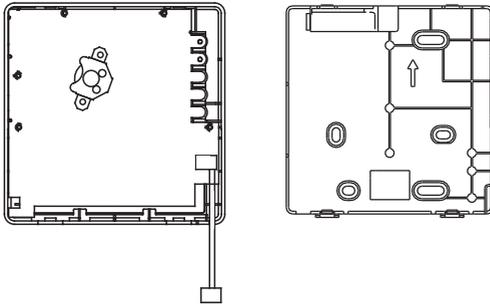


Fig 3-6

- 1 indoor unit
- 2 notch the part for the wiring to pass through with nippers, etc.

### 3. INSTALLATION METHOD

**NOTE: DO NOT** allow water to enter the remote control.  
Use the trap and putty to seal the wires.

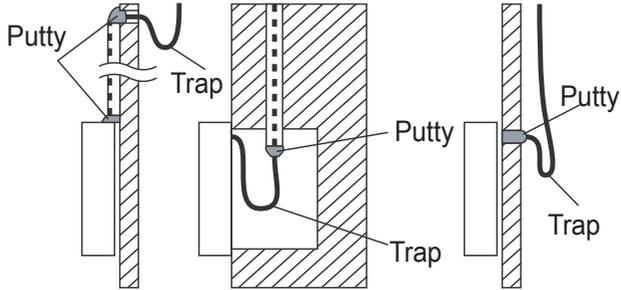


Fig 3-7

#### 6. 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 3-8)

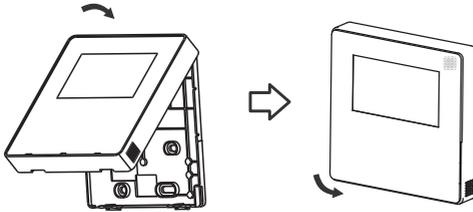


Fig 3-8

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

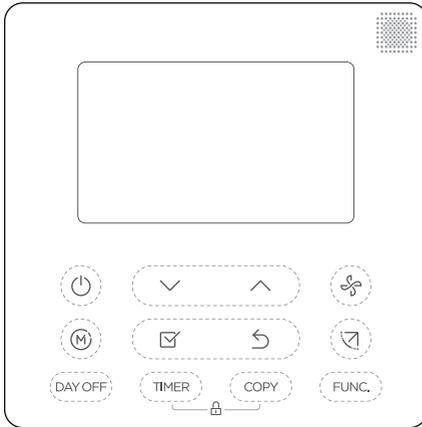
---

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

### Wiring specifications

Wiring type	Size	Total length
shielded vinyl cord or cable	0.75-1.25mm <sup>2</sup>	≤50m (164')

## 5. FEATURE AND FUNCTION OF THE WIRED CONTROLLER



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

Swing(on some models)

Timer ON/OFF

Temp setting

Weekly timer

Follow me

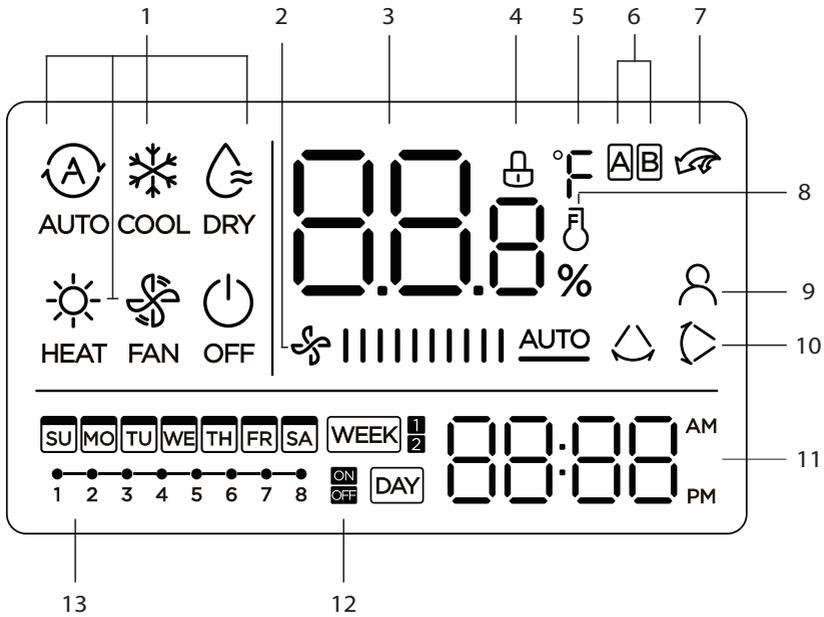
Child Lock

LCD display

Clock

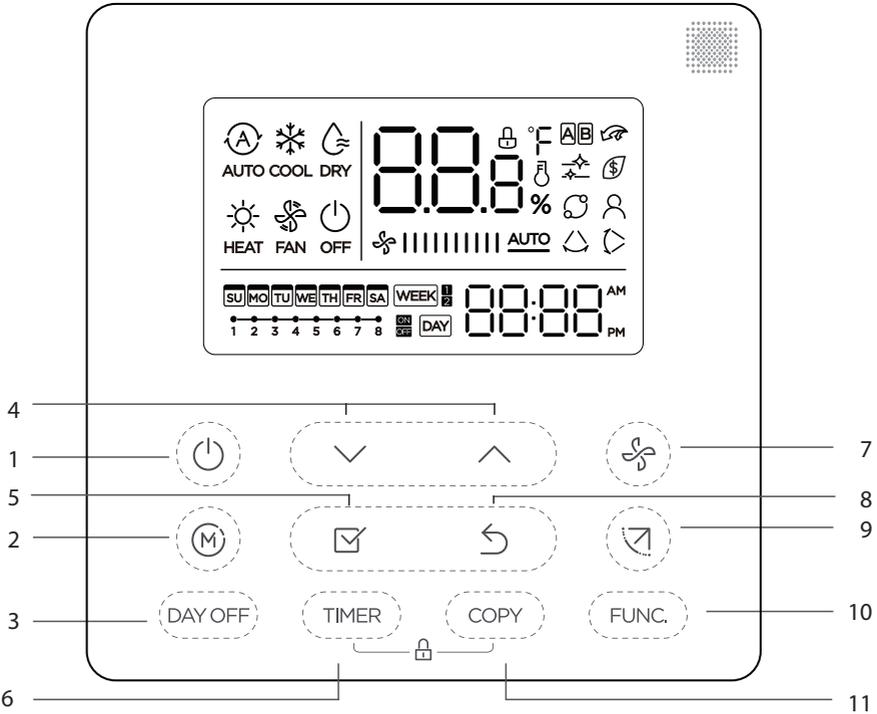
Panel function (on some models)

## 6. NAME ON THE LCD OF THE WIRE CONTROLLER



- |   |   |
|---|---|
| 1 Operation mode indication               | 8 Room temperature indication             |
| 2 Fan speed indication                    | 9 I feel function indication(some models) |
| 3 Temperature display                     | 10 Left-right swing indication            |
| 4 Lock indication                         | 11 Clock display                          |
| 5 °C / °F indication                      | 12 On/Off timer                           |
| 6 Main unit and secondary unit indication | 13 Timer display                          |
| 7 Turbo function indication               |   |

## 7. NAME OF THE BUTTON ON THE WIRE CONTROLLER



1 POWER button

2 MODE button

3 DAY OFF/DEL button

4 ADJUST button

5 CONFIRM button

12

6 TIMER button

7 FAN SPEED button

8 BACK button

9 SWING button

10 FUNC. button

11 COPY button

## 8. PREPARATORY OPERATION

### Set the current day and time

-  Press the Timer button for 2 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 CONFIRM button or there is no pressing button 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 CONFIRM button or there is no pressing button in 10 seconds.
-   Time scale selection  
Press the buttons "TIMER" and "DAY OFF" for 2 seconds will alternate the clock time display between the 12h&24h scale.

# 9. OPERATION

## To start/stop operation



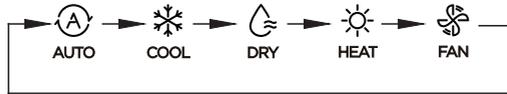
Press the Power button.

## To set the operation mode

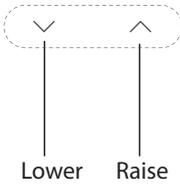
Operation mode setting



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



## Room temperature setting



Press the button "∨" or "∧" to set the room temperature.  
Indoor Setting Temperature Range :  
17~30°C (62~86°F).

°C & °F scale selection

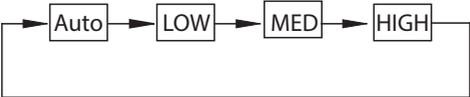
Press the buttons "∨" and "∧" for 3 seconds will alternate the temperature display between the °C&°F scale.

# 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)



## 9. OPERATION

---

### Child lock function



Press the buttons " **TIMER** " and " **COPY** " for 2 seconds to activate the child lock function and lock all buttons on the wire controller. Press the buttons again for 2 seconds to deactivate the child lock function.

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

### keypad tone setting



Press the buttons **Swing** and **FUNC.** for 3 seconds to close the keypad tone.

Press the buttons again for 3 seconds to open the keypad tone.

## 9. OPERATION

---

**Swing function(For the unit left & right auto swing models only)**

### 1 Up-Down swing



Press the SWING button to start up-down swing function.

Press it again to stop.

When the Up-Down swing function is activated, the  mark appears.

### 2 Left-Right swing



Press the Swing button long to start Left-Right swing function.

Press it again to stop.

When the Left-Right swing function is activated, the  mark appears.

## 9. OPERATION

### Swing function(For the unit without left & right auto swing function models)

#### Up-Down airflow direction and swing



- Use Swing button to adjust the Up-down airflow direction.
  - 1.Press the button every time, the louver swings 6 degrees.
  - 2.Press and hold the button for 2 seconds,it turns into up-down swing mode, press ti again to stop.  
When the Up-Down swing function is activated,the  mark appears. (Not applicable to all the models)

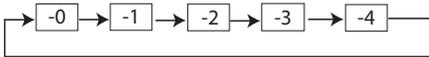
- The operation can refer to the following instructions for the unit with four Up-Down louvers can be operated individually.

- 1.Press the Swing button to activate the Up-Down adjusting louver function.

The  mark will flash.(Not applicable to all the models)



- 2.Pressing the button " ∨ " or " ^ " 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.)

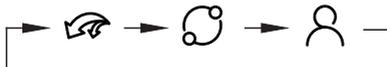


3. And then use Swing button to adjust the Up-Down airflow direction of the selected louver.

## 9. OPERATION



Press the FUNC. button to set the turbo or rotating or lfeel function. The select function icon will flash then press the Confirm button to confirm the setting.



### Turbo function (on some models)



Press the FUNC. button to activate the turbo function. Press the button again to deactivate the turbo function.

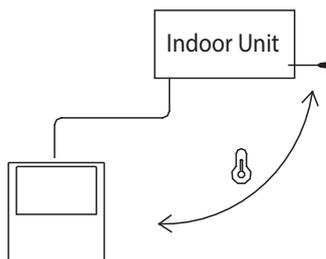
When the turbo function is activated, the  mark appears.

### lfeel function indication

Press the **FUNC.** button to select whether the room temperature is detected at the indoor unit or the wire controller.

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

Press the button again to cancel the lfeel function.



## 10. TIMER FUNCTIONS

---



WEEKLY timer

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



On timer

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



Off timer

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



On and Off timer

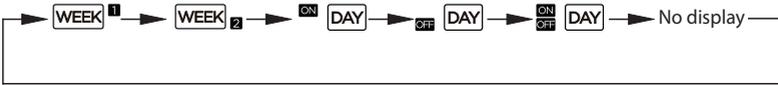
Use this timer function to start and stop air conditioner operation. The timer operates and air conditioner operation starts and stops after the time has passed.

# 10. TIMER FUNCTIONS

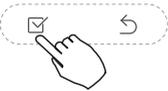
---

To set the On or Off TIMER

**1**  Press the Timer button to select the <sup>ON</sup> DAY or <sup>OFF</sup> DAY.



```
graph LR; A[WEEK 1] --> B[WEEK 2]; B --> C[ON DAY]; C --> D[OFF DAY]; D --> E[ON/OFF DAY]; E --> F[No display];
```

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

**3**   

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**  Press the Confirm button again to finish the settings.

EN

# 10. TIMER FUNCTIONS

---

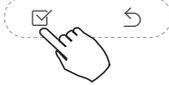
## To set the On and Off TIMER

**1**  Press the Timer button to select the   .

---

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

---

**3**   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.

22

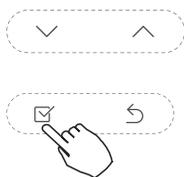
# 11. WEEKLY TIMER 1

## 1 Weekly timer setting



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

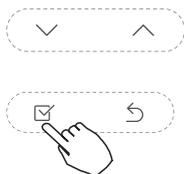
## 2 Day of the week setting



Press the button "∨" or "∧" to select the day of the week, and then press the Confirm button to confirm the setting.

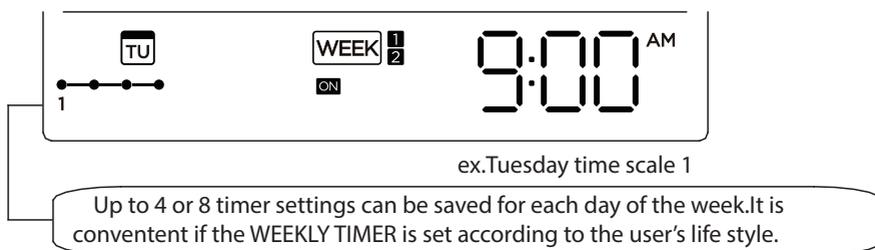


## 3 ON timer setting of timer setting 1



Press the button "∨" or "∧" to set the time of On timer, and then press the Confirm button to confirm the setting.

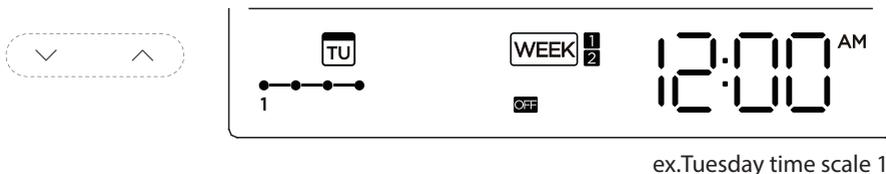
## 11. WEEKLY TIMER 1



### 4 Off timer setting of timer setting 1



Press the button “√” or “^” to set the time of Off timer and then press the Confirm button to confirm the setting.



**5** Different timer settings can be set by repeating step 3 to 4.

**6** Other days in one week can be set by repeating step 2 to 5.

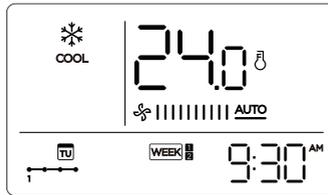
- NOTE:
- The weekly timer setting can be returned to the previous step by pressing Back button.
  - The time of timer setting can be delete by pressing Day off botton
  - The current setting will be restored and withdrawn the weekly timer setting automatically when there is no operation for 30 seconds.

# 11. WEEKLY TIMER 1

## WEEKLY timer operation

To activate WEEKLY TIMER operation

Press the Timer button while **WEEK** is displayed on the LCD.



ex.

To deactivate WEEKLY TIMER operation

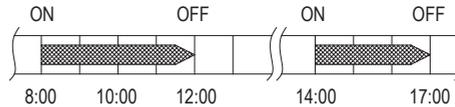


Press the Timer button while **WEEK** is disappear from the LCD.

### • To turn off the air conditioner during the weekly timer



1. If press the Power button once and quickly , the air conditioner will turn off temporarily. And the air conditioner will turn on automatically until the time of On timer.

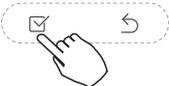


ex. If press the POWER button once and quickly at 10:00, The air conditioner will turn on at 14:00.

2. When press the Power button for 2 seconds , the air conditioner will turn off completely.

# 11. WEEKLY TIMER 1

To set the DAY OFF (for a holiday)

**1**  During the weekly timer, press the Confirm button.

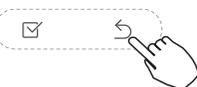
**2**  Press the button “ ” or “ ” to select the day in this week .

**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 setted 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.

# 11. WEEKLY TIMER 1

## DELAY function



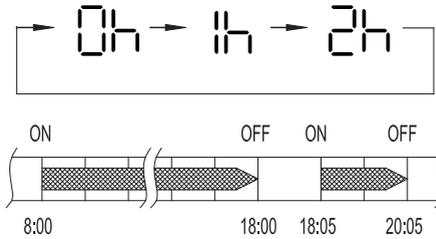
During the weekly timer, pressing the Del button once, display "0h".

Press this button twice, display "1h" and wait 3 seconds to confirm.

It means the unit will override 1 hours;

Press this button three times, display "2h" and wait 3 seconds to confirm.

It means the unit will override 2 hours;



ex. If press the DEL button to select "2h" at 18:05 ,  
The air conditioner will delay to turn off at 20:05.

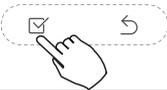
### Copy out the setting in one day into the other day.

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 "v" or "^" to select the day to copy from.

# 11. WEEKLY TIMER 1

---



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

---



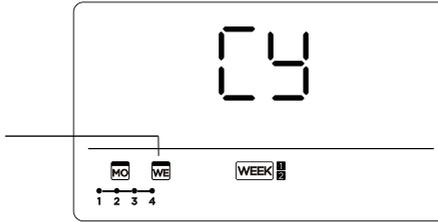
Press the button "∨" or "∧" to select the day to copy to.

---



Press the Copy button to confirm .

The **WE** mark flashes quickly



ex. Copy the setting of Monday to Wednesday

---

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

---



Press the Confirm button to confirm the settings.

---



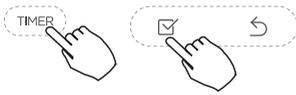
Press the Back button to back to the weekly timer.

---

## 12. WEEKLY TIMER 2

---

### 1 Weekly timer setting



Press Timer to select the **WEEK** and press Confirm.

### 2 Day of the week setting



Press "∨" or "∧" to select the day of the week and then press CONFIRM.



### 3 ON timer setting of timer setting 1

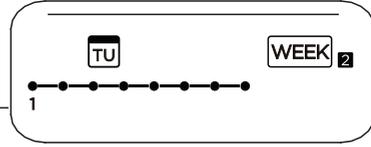


Press "∨" or "∧" to select the setting time. The setting time, mode, temperature and fan speed appear on the LCD. Press CONFIRM to enter the setting time process.



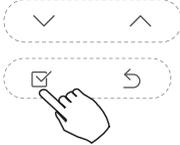
## 12. WEEKLY TIMER 2

**IMPORTANT:** Up to 8 scheduled events can be set on one day. Various events can be scheduled in either MODE, TEMPERATURE and FAN speeds.



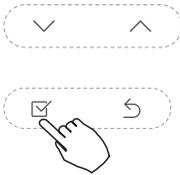
ex. Tuesday time scale 1

### 4 Time setting

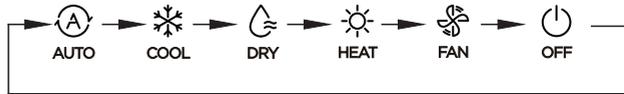


Press “∨” or “∧” to set the time then press CONFIRM.

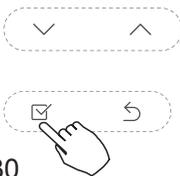
### 5 Operation mode setting



Press “∨” or “∧” to set the operation mode then press CONFIRM.



### 6 Room temperature setting



Press “∨” or “∧” to set the room temperature then press CONFIRM.

**NOTE:** This setting is unavailable in the FAN or OFF modes.

30

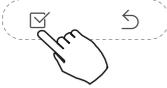
## 12. WEEKLY TIMER 2

---

### 7 Fan speed setting



Press “ $\vee$ ” or “ $\wedge$ ” to set the fan speed then press CONFIRM.



NOTE: This setting is unavailable in the AUTO, DRY or OFF modes.



**8** Different scheduled events can be set by repeating steps 3 through 7.

**9** Additional days, in a one week period, can be set by repeating steps 3 through 8.

NOTE: The weekly timer setting can be returned to the previous step by pressing BACK. The current setting is restored. The controller will not save the weekly timer settings if there is no operation within 30 seconds.

## 12. WEEKLY TIMER 2

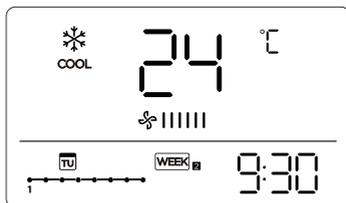
---

### WEEKLY timer operation

To start



Press Timer to select the **WEEK** , and then the timer starts automatically.



ex.

To cancel



Press Power to cancel the timer mode.



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

To set the **DAY OFF** (for a holiday)



After setting the weekly timer, press CONFIRM.



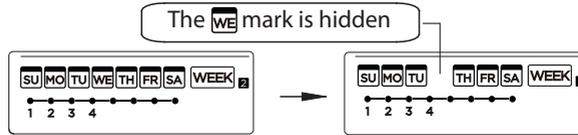
Press "∨" or "∧" to select the day of the week.

32

## 12. WEEKLY TIMER 2



Press DAY OFF to create an off day.



ex. The DAY OFF is set for Wednesday

4 Set the DAY OFF for other days by repeating the steps 2 and 3.



Press BACK to revert to the weekly timer.

- To cancel, follow the same procedures used for setup.
- NOTE: 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 scheduled event, made once, can be copied to another day of the week. The scheduled events of the selected day of the week will be copied. The effective use of the copy mode ensures the ease of reservation making.



In the weekly timer, press CONFIRM.



Press "✓" or "∧" to select the day to copy from.

## 12. WEEKLY TIMER 2

3



Press COPY, the letters CY appear on the LCD.

4



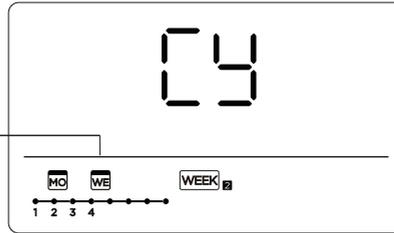
Press "∨" or "∧" to select the day to copy to.

5



Press COPY to confirm.

The **WE** mark flashes quickly



ex. Copy the setting of Monday to Wednesday

6

Other days can be copied by repeating steps 4 and 5.

7



Press CONFIRM to confirm the settings.

8



Press BACK to revert to the weekly timer.

34

## 12. WEEKLY TIMER 2

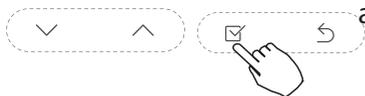
Delete the time scale in one day.

1



During the weekly timer setting, press CONFIRM.

2

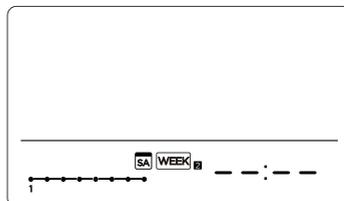
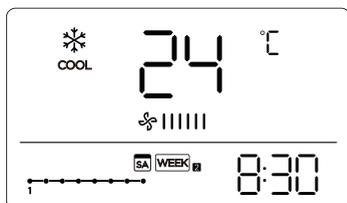


Press "∨" or "∧" to select the day of the week and then press CONFIRM.

3



Press "∨" or "∧" to select the setting time want to delete. The setting time, mode, temperature and fan speed appear on the LCD. The setting time, mode, temperature and fan speed can be deleted by pressing the DEL (day off).



ex. Delet the time scale 1 in saturday

35

## 13. FAULT ALARM HANDING

---

If the system does not properly operate except the above mentioned cases or the above mentioned malfunctions is evident, investigate the system according to the following procedures.

NO.	MALFUNCTION & PROTECTION DEFINE	DISPLAY DIGITAL TUBE
1	Error of communication between wire controler and indoor unit	Eh63

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

## 14. TECHNICAL INDICATION AND REQUIREMENT

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EMC and EMI comply with the CE certification requirements.

# 15. Indoor unit Tx temperature query function



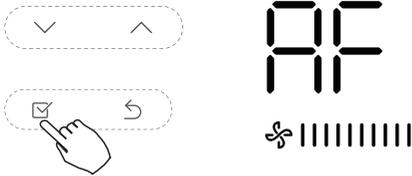
When the air conditioning unit is switch machine, Long press "COPY" for 3 seconds to enter a query indoor unit Tn(T1~T4) temperature and fan fault(CF), press "∨" or "∧" to select.



Not operating keys 15 seconds or press "Back" or press "ON/OFF" drop out of query temperature.

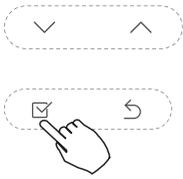


When the air conditioning unit is off, into the query function of temperature, press "∨" or "∧" to select SP, press "Confirm" to adjust the static pressure value.



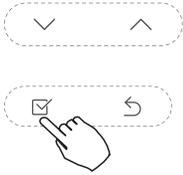
When the air conditioning unit is off, into the query function of temperature, press "∨" or "∧" to select AF, press "Confirm" into test mode, press "Back" or press "ON/OFF" or press "Confirm" drop out of test mode.

## 15. Indoor unit Tx temperature query function



tF

When the air conditioning unit is off, into the query function of temperature, press “∨” or “∧” to select tF. The compensation temperature Range : -5 °C ~ 5 °C. Press “Confirm” into setting state, press “∨” or “∧” to select the temperature, then press “Confirm” to complete it.



tYPE

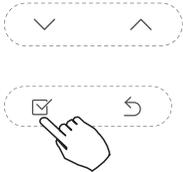
When the air conditioning unit is off, into the query function of temperature, press “∨” or “∧” to select tyPE. Press “Confirm” into setting state, press “∨” or “∧” to select the type, then press “Confirm” to complete it.

CH:   
AUTO COOL DRY HEAT FAN

CC:   
COOL DRY FAN

HH:   
HEAT FAN

NA:   
COOL DRY HEAT FAN



tHI  
tLO

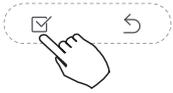
When the air conditioning unit is off, into the query function of temperature, press “∨” or “∧” to select tHI or tLo. Press “Confirm” into setting state, press “∨” or “∧” to select the temperature, then press “Confirm” to complete it.  
The highest setting temperature range : 25 °C ~ 30 °C  
The lowest setting temperature range : 17 °C ~ 24 °C.

## 15. Indoor unit Tx temperature query function



rEC

When the air conditioning unit is off, into the query function of temperature, press “ $\vee$ ” or “ $\wedge$ ” to select rEC. ON or OF will be displayed in the temperature area to indicate whether it is valid or invalid. When the selection is invalid, the wire controller does not process any remote control signals. Press “Confirm” into setting state, press “ $\vee$ ” or “ $\wedge$ ” to select, then press “Confirm” to complete it.



INIt

When the air conditioning unit is off, into the query function of temperature, press “ $\vee$ ” or “ $\wedge$ ” to select INIt, the temperature zone displayed --. Press “Confirm” into setting state, press “ $\wedge$ ” or “ $\vee$ ” to select to “ON”, then press “Confirm” to complete it.

After the wire controller resumes the factory parameter setting, the rotating parameter setting is restored to 10 hours (the highest and lowest temperature are not set);  
The compensation of body temperature is uncompensated;  
Cold and warm/single cold mode is restored to cold and warm model; The temperature range was restored to 17 °C~30 °C. Remote receiving function is restored to be effective;  
The address of the two-control first-line controller is restored to the code switch.  
The buzzer is back in effect.