

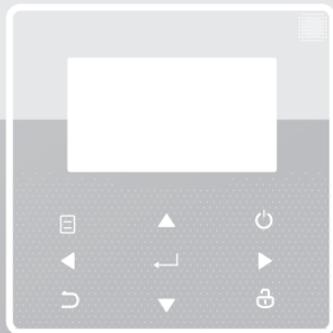


Scan the QR code to read the manual in different languages.



Scan the QR code to install the control APP.

OPERATION MANUAL



Thank you very much for purchasing our product.
Before using your unit, please read this manual carefully and keep it for future reference.

- 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.

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1 GENERAL SAFETY PRECAUTIONS

1.1 About the documentation

- The original documentation is written in English. All other languages are translations.
- The precautions described in this document cover very important topics, follow them carefully.
- All activities described in the installation manual must be performed by an authorized installer.

1.1.1 Meaning of warnings and symbols

DANGER

Indicates a situation that results in death or serious injury.

DANGER: RISK OF ELECTROCUTION

Indicates a situation that could result in electrocution.

DANGER: RISK OF BURNING

Indicates a situation that could result in burning because of extreme hot or cold temperatures.

WARNING

Indicates a situation that could result in death or serious injury.

CAUTION

Indicates a situation that could result in minor or moderate injury.

NOTE

Indicates a situation that could result in equipment or property damage.

INFORMATION

Indicates useful tips or additional information.

1.2 For the user

- If you are not sure how to operate the unit, contact your installer.

- The appliance is not intended for use by persons, including children, with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children must be supervised to ensure that they do not play with the product.



CAUTION

Do NOT rinse the unit. This may cause electric shocks or fire.



NOTE

- Do NOT place any objects or equipment on top of the unit.
- Do NOT sit, climb or stand on the unit.

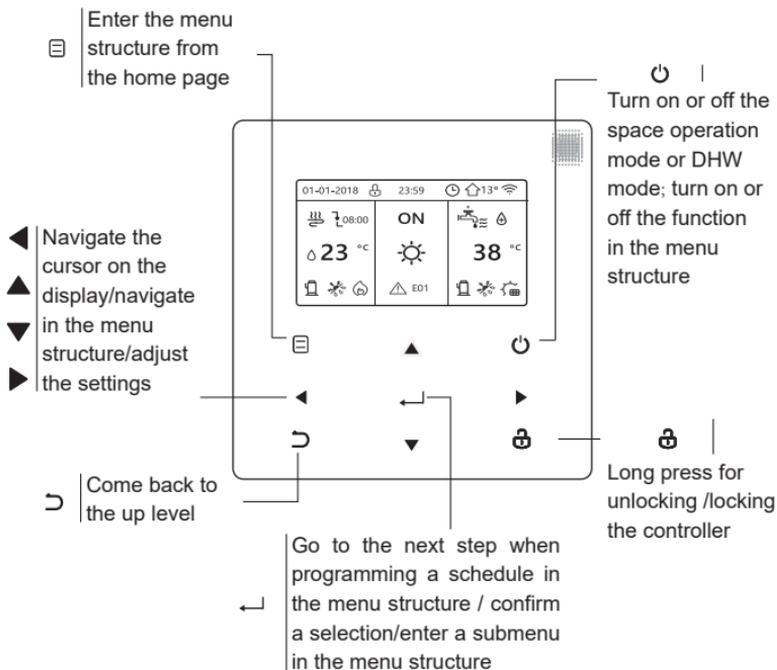
- Units are marked with the following symbol:



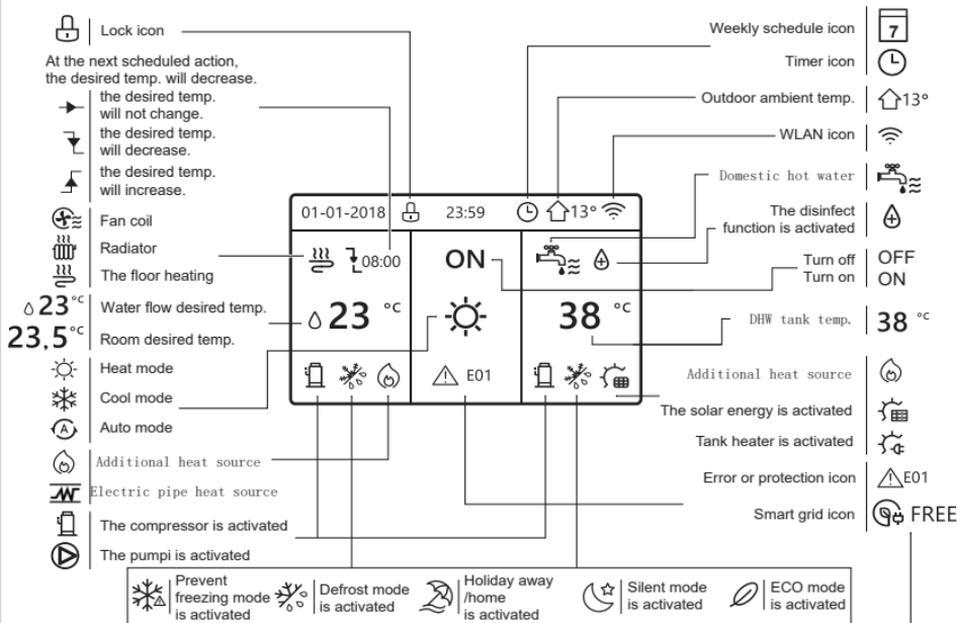
This means that electrical and electronic products may not be mixed with unsorted household waste. Do not try to dismantle the system yourself: the dismantling of the system, treatment of the refrigerant, of oil and of other parts must be done by an authorized installer and must comply with applicable legislation. Units must be treated at a specialized treatment facility for reuse, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health. For more information, contact your installer or local authority.

2 A GLANCE OF THE USER INTERFACE

2.1 The appearance of the wired controller



2.2 Status icons



	Fan coil	Radiator	The floor heating	Domestic hot water
ON				
OFF				

	Free electricity	Valley electricity	Peak electricity
Smart grid	FREE	VALLEY	PEAK

3 USING HOME PAGES

3.1 About home pages

You can use the home pages to read out and change settings that are meant for daily usage. What you can see and do on the home pages is described where applicable. Depending on the system layout, the following home pages may be possible:

- Room desired temperature (ROOM)
- Water flow desired temperature (MAIN)
- DHW tank actual temperature (TANK)

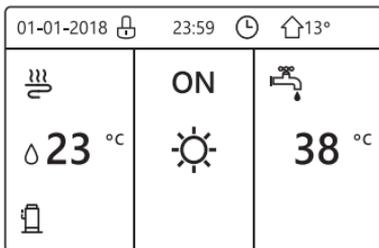
DHW=domestic hot water

home page1 :

If you have set the WATER FLOW TEMP. as YES and ROOM TEMP. as NON, the system has the function including floor heating and making hot water. The following page will appear:

NOTE

All the pictures in the manual are used to explain, the actual pages in the screen may have some difference.



home page 2 :

If you have set the WATER FLOW TEMP. as NON and ROOM TEMP. as YES, the system has the function including floor heating and making hot water. The following page will appear:

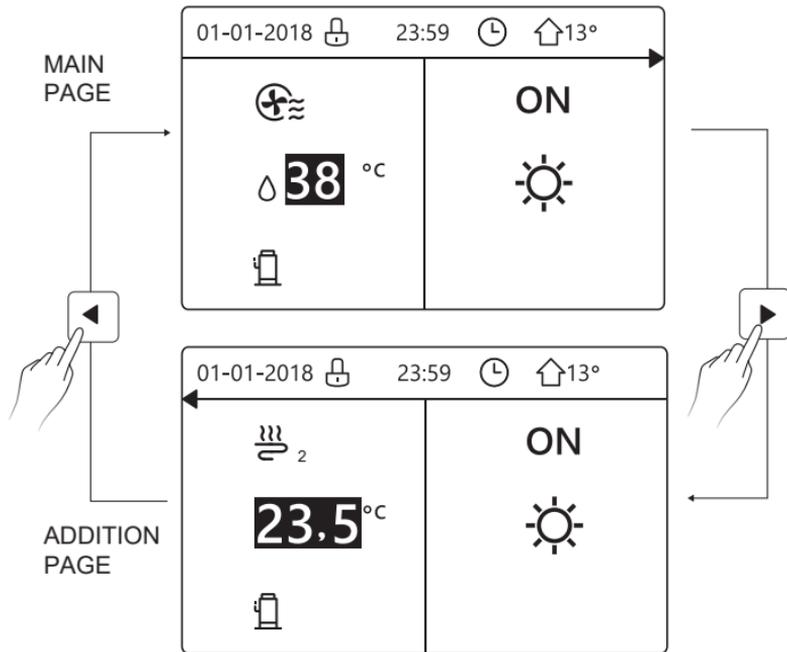
NOTE

The interface should be installed in the floor heating room to check the room temperature.

01-01-2018 	23:59 	 13°
 23.5 °C 	ON 	 38 °C

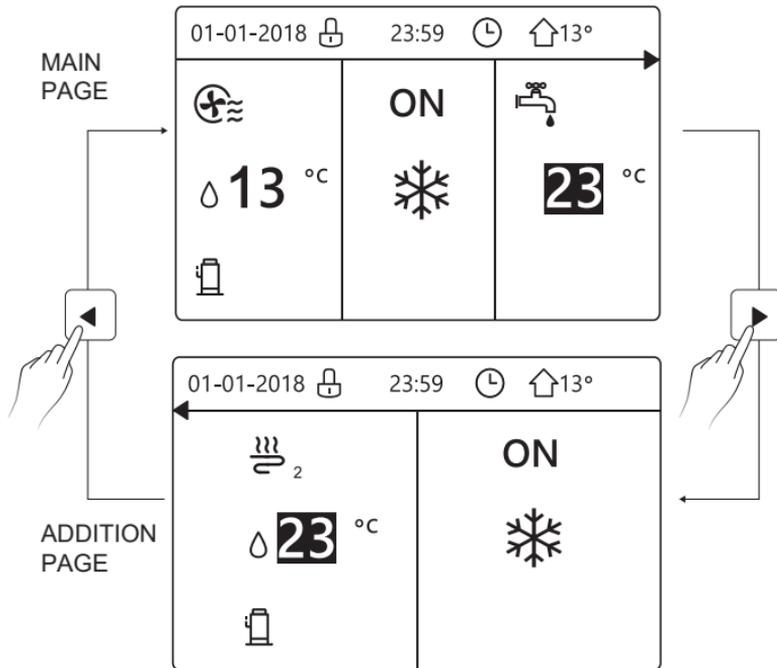
home page 3 :

If the DHW MODE is set NON , and if "WATER FLOW TEMP." is set YES, "ROOM TEMP." is set YES, There will be main page and additional page. The system has the function including floor heating and space cooling for fan coil, home page 3 will appear:



home page 4 :

If the DHW MODE is set YES. There will be main page and addition page. The system has the function including floor heating, space cooling for fan coil and domestic hot water, home page 4 will appear:



4 MENU STRUCTURE

4.1 About the menu structure

You can use the menu structure to read out and configure settings that are NOT meant for daily usage. What you can see and do in the menu structure is described where applicable.

4.2 To go to the menu structure

From a home page, press "  ". Result: The menu structure appear:

MENU	1/2
OPERATION MODE	
PRESET TEMPERATURE	
DOMESTIC HOT WATER(DHW)	
SCHEDULE	
OPTIONS	
CHILD LOCK	
 ENTER	

MENU	2/2
SERVICE INFORMATION	
OPERATION PARAMETER FOR SERVICEMAN	
WLAN SETTING	
SN VIEW	
ENERGY METERING	
 ENTER	

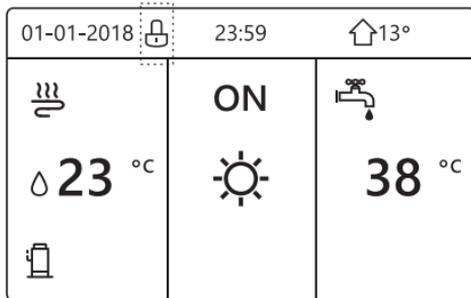
4.3 To navigate in the menu structure

Use"▼", "▲" to scroll.

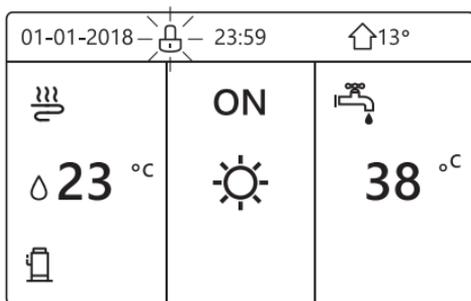
5 BASIC USAGE

5.1 Screen Unlock

If the icon  is on the screen, the controller is locked. The following page is displayed:



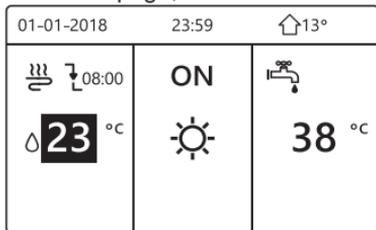
Press any key, the icon  will flash. Long press the "  " key. The icon  will disappear, the interface can be controlled.



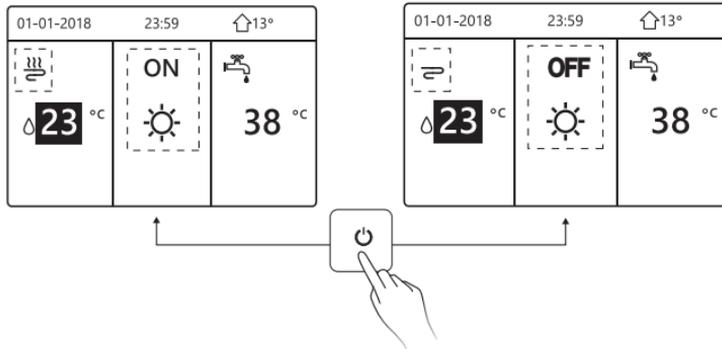
5.2 Turning ON/OFF controls

Use the interface to turn on or off the unit for space heating or cooling.

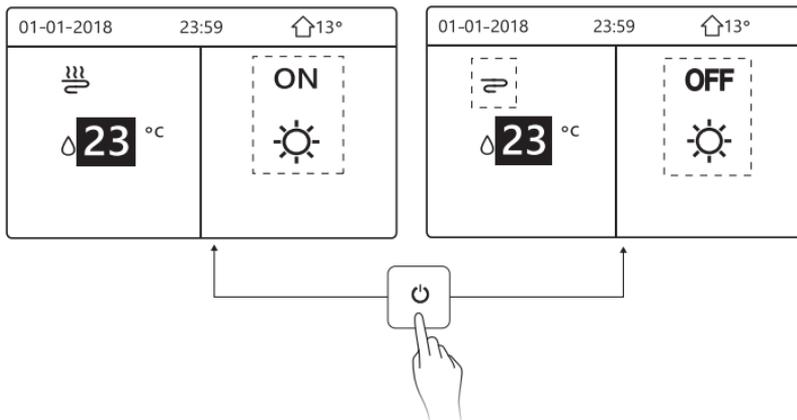
- The ON/OFF of the unit can be controlled by the interface if the ROOM THERMOSTAT is NON. (See "ROOM THERMOSTAT SETTING" in "Installation and owner's manual (M-thermal split indoor unit)")
- Press "◀", "▲" on home page, the black cursor will appear:



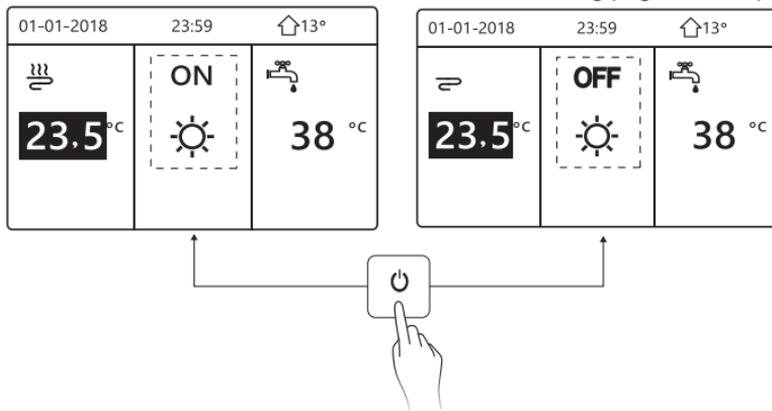
1) When the cursor is on the temperature of space operation mode side (Including heat mode  cool mode  and auto mode ) , press "  " key to turn on/off space heating or cooling.



If the DHW TYPE is set NON, then following pages will display:

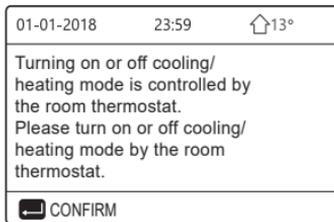


If the TEMP. TYPE is set ROOM TEMP. , then following pages will display:

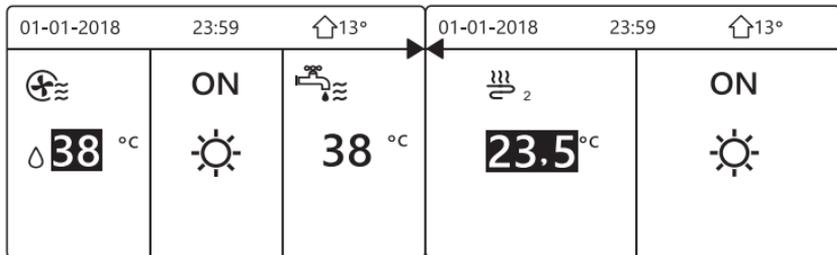


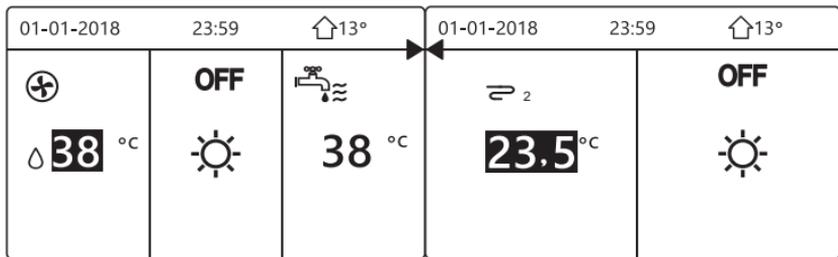
Use the room thermostat to turn on or off the unit for space heating or cooling.

① The room thermostat is SET YES(see "ROOM THERMOSTAT SETTING" on "Installation and owner's manual (M-thermal split indoor unit)") the unit is turned on or off by the room thermostat, press  on the interface, the following page will display:

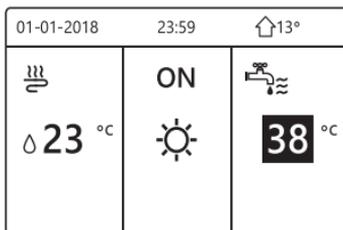


② DUAL ROOM THERMOSTAT is set YES(see "ROOM THERMOSTAT SETTING" in "Installation and owner's manual (M-thermal split indoor unit)"). The room thermostat for fan coil is turned off, the room thermostat for the floor heating is turned on, and the unit is running, but the display is OFF. The following page is displayed:



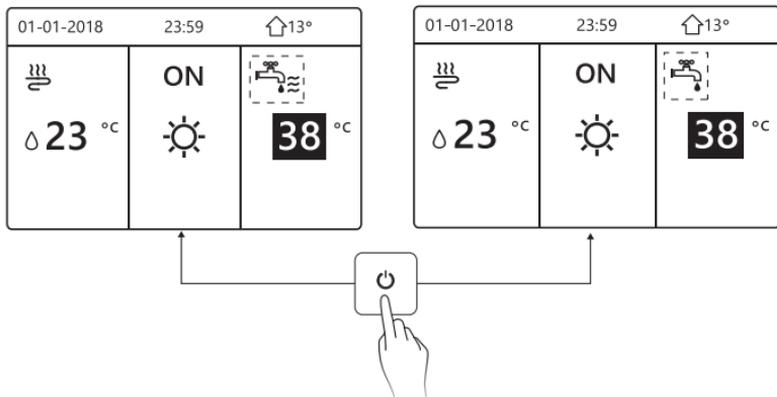


Use the interface to turn on or off the unit for DHW. Press "▶️", "▼" on home page, the black cursor will appear:

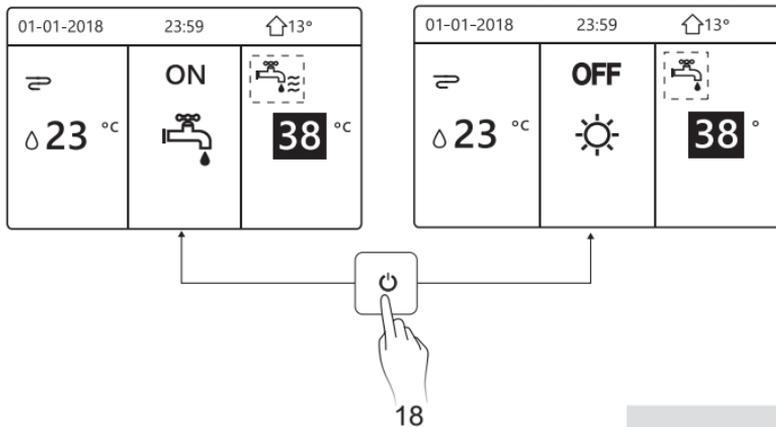


2) When the cursor is on DHW operation mode. Press " ⏻ " key to turn on/off the DHW mode.

If the space operation is ON, then following pages will display:

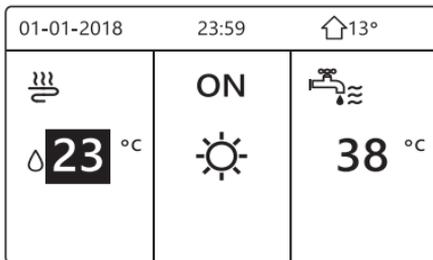


If the space operation mode is OFF, then following pages will display:

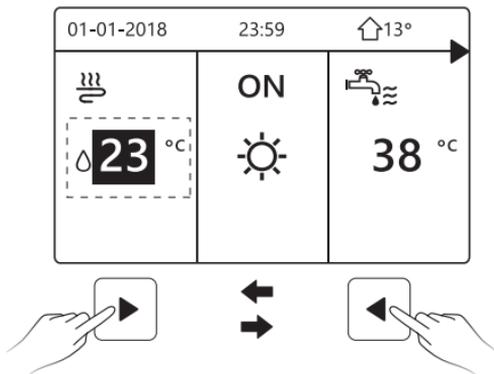


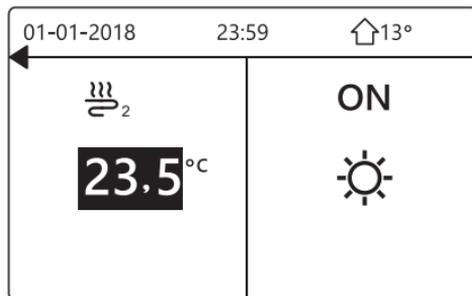
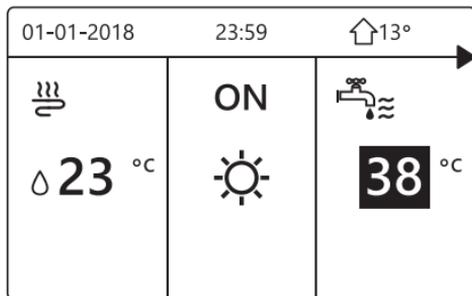
5.3 Adjusting the temperature

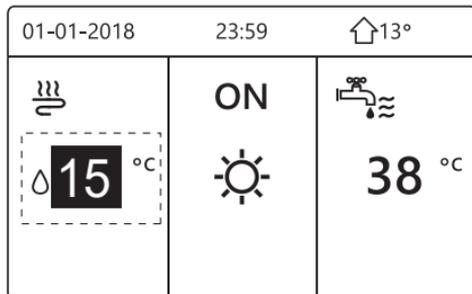
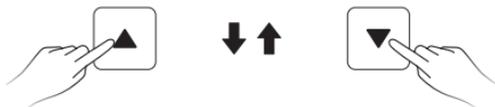
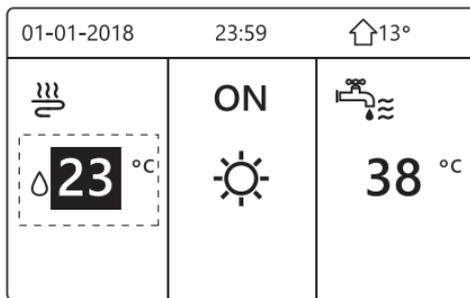
Press "◀", "▲" on home page, the black cursor will appear:



- If the cursor is on the temperature, use the "◀", "▶" to select and use "▼", "▲" to adjust the temperature.

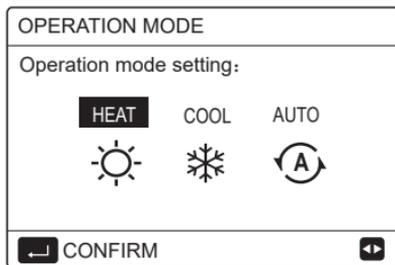






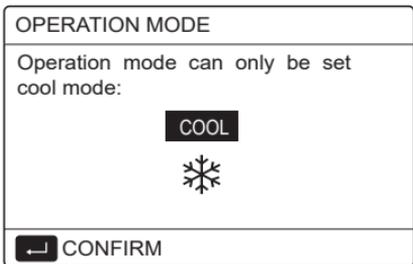
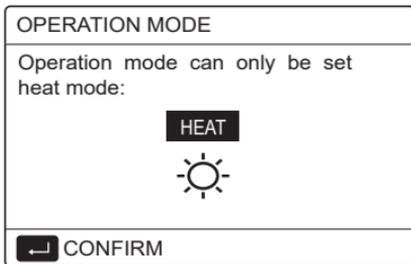
5.4 Adjusting space operation mode

- Adjusting space operation mode by interface. Go to "  " > "OPERATION MODE" . Press "↵" , the following page will appear:



- There are three modes to be selected including HEAT, COOL and AUTO mode. Use the "◀", "▶" to scroll, press "↵" to select. Even if you don't press ↵ button and exit the page by pressing ⏪ button, the mode would still effective if the cursor have be moved to the operation mode.

If there is only HEAT(COOL) mode, the following page will appear:



The operation mode can not be changed see cool MODE SETTING on installation and ower's manual.

If you select...	Then the space operation mode is...
 heat	Always heating mode
 cool	Always cooling mode
 auto	<p>Automatically changed by the software based on the outdoor temperature (and depending on installer settings of the indoor temperature), and takes monthly restrictions into account.</p> <p>Note: Automatic changeover is only possible under certain conditions.</p> <p>See the FOR SERVICEMAN> AUTO MODE SETTING in "Installation and ower's manual (M-thermal split indoor unit)".</p>

- Adjust space operation mode by the room thermostat, see "ROOM THERMOSTAT" on "Installation and owner's manual (M-thermal split indoor unit)".

Go to  >OPERATION MODE, if you press any key to select or adjust, the follpage will appear:

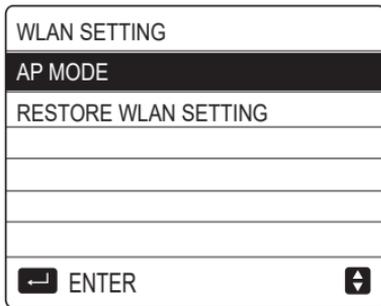
01-01-2018	23:59	 13°
Cool/heat mode is controlled by the room thermostat.		
Please adjust the operation mode by the room thermostat.		
 CONFIRM		

6 Network Configuration Guidelines

- The wired controller realizes intelligent control with a built-in module, which receives control signal from the APP.
- Before connecting the WLAN, please check for it if the router in your environment is active and make sure that the wired controller is well-connected to the wireless signal.
- During the Wireless distribution process, the LCD icon “” flashes to indicate that the network is being deployed. After the process is completed, the icon “” will be constantly on.

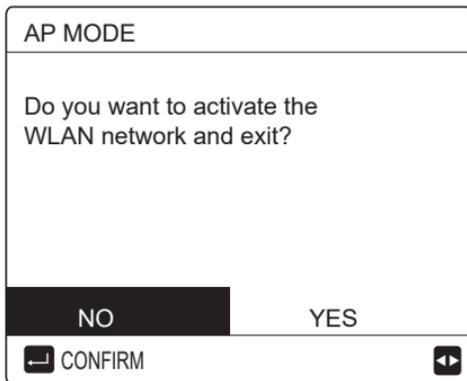
6.1 Wired Controller Setting

The wired controller settings include AP MODE and RESTORE WLAN SETTING.



- Activate the WLAN by interface. Go to "  " > "WLAN SETTING" > "AP MODE".

Press "  ", the following page will appear:



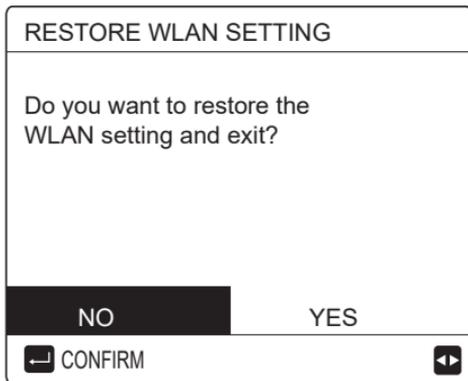
Use "  ", "  " to move to "YES", press "  " to select AP mode. Select AP Mode correspondingly on the mobile device and continue the follow-up settings according to the APP prompts.

CAUTION

After enter Ap mode, if it's not connected with mobile phone, the LCD icon "  " will flash 10 minutes then disappear.

If it's connected with the mobile phone, the icon "  " will be constantly display.

- Restore WLAN setting by interface. Go to “”> “WLAN SETTING” > “RESTORE WLAN SETTING” .
Press “”, the following page will appear:



Use “”, “” to move to “YES”, press “” to restore WLAN setting. Complete the above operation and wireless configuration is reset.

6.2 Smart home appliances networking guidelines

- 1 Download MSmartLife App
Scan the QR code below, or search for "MSmartLife" in Google play(Android devices) or App Store (ios devices) to download the app;

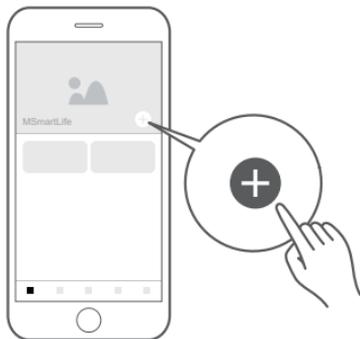


2 Register or Login account

Open the app and create a user account, if you already have one, just log in.

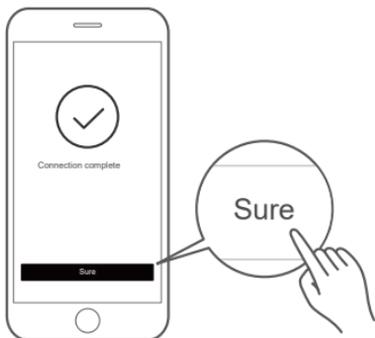


- 3** Add your appliance
Tap the "+" icon to add home appliance to your MsmartLife account.



4 Connected to the network

Follow the instructions in the app to set up the WiFi connection. If the network connection fails, please refer to the App tips for operation.



Notes on networking

- When networking the product, please make sure that the mobile phone is as close as possible to the product.
- According to the App tips, if the product only supports 2.4GHZ wifi communication, please note that the 2.4GHz network is selected for connection.
- Midea recommends WiFi router SSID names contain only alphanumeric values. If special characters, punctuation marks or spaces are used it might prevent the SSID name from showing up in the available networks to join in the App. Try it and if the SSID shows up then it is ok to use, otherwise log into the router and change the SSID name.

- A large number of devices on the WiFi router can affect network stability, there is no way that Midea can advise a specific number limitation as this depends on router quality and many other factors.
- If the router or WiFi name and WiFi password change, please repeat the above process to reconnect to the network.
- As the product technology is updated, the content of MSmartLife may change, and the actual display in MSmartLifeApp shall prevail.



Warning and troubleshooting for networking failures

When the product is connected to the network, please make sure that the phone is as close as possible to the product.

We only support 2.4GHz band routers at present.

Special characters (punctuation, spaces, etc.) are not recommended as part of the WLAN name.

It is recommended that you connect no more than 10 devices to a single router lest home appliances are affected by weak or unstable network signal.

If the password of the router or WLAN is changed, clear all settings and reset the appliance.

The contents of APP might change in version updates and actual operation shall prevail.

WIFI information

WIFI transmit frequency range: 2.400~2.4835 GHz
EIRP not more than 20dbm

7 INSTALLATION MANUAL

7.1 Safety precaution

- Read the safety precautions carefully before installing the unit.
- Stated below are important safety issues that must be obeyed.
- Conform there is no abnormal phenomena during test operation after complete, then hand the manual to the user.
- Meaning of marks:

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.

Strictly follow this 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 disassemble your air conditioner at will.
A random disassembly may cause abnormal operation or heating, which may result in fire.



CAUTION

Do not install the unit in a place vulnerable to leakage of flammable gases.

Once flammable gases are leaked and left around the wired controller, fire may occur.

The wiring should adapt to the wired controller current.

Otherwise, electric leakage or heating may occur and result in fire.

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.

Do not place the wired remote controller near the lamps, to avoid the remote signal of the controller to be disturbed. (refer to the right figure)



7.2 Other Precautions

7.2.1. Installation location

Do not install the unit in a place with much oil, steam, sulfide gas. Otherwise, the product may deform and fail.

7.2.2 Preparation before installation

1) Check whether the following assemblies are complete.

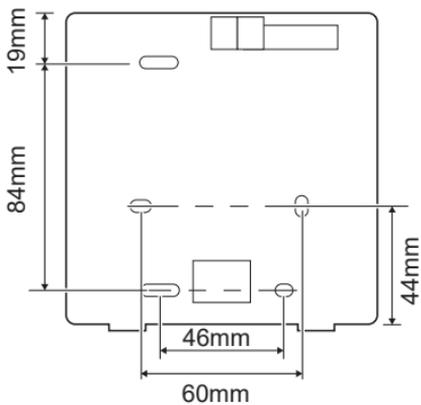
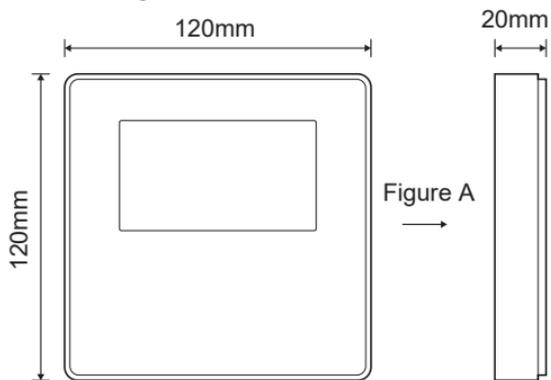
No.	Name	Qty.	Remarks
1	Wired Controller	1	_____
2	Cross round head wood mounting screw	3	For Mounting on the Wall
3	Cross round head mounting screw	2	For Mounting on the Electrical Switch Box
4	Installation and Owner's Manual	1	_____
5	Plastic bolt	2	This accessory is used when install the centralized control inside the electric cabinet
6	Plastic expansion pipe	3	For mounting on the Wall

7.2.3 Note for installation of wired controller:

- 1) This installation manual contains information about the procedure of installing Wired Remote Controller. Please refer to Indoor Unit Installation Manual for connection between Wired Remote Controller and Indoor Unit.
- 2) Circuit of Wired Remote Controller is low voltage circuit. Never connect it with a standard 220V/380V circuit or put it into a same Wiring Tube with the circuit.
- 3) The shielded cable must be connected stable to the ground, or transmission may fail.
- 4) Do not attempt to extend the shielded cable by cutting, if it is necessary, use Terminal Connection Block to connect.
- 5) After finishing connection, do not use Megger to have the insulation check for the signal wire.

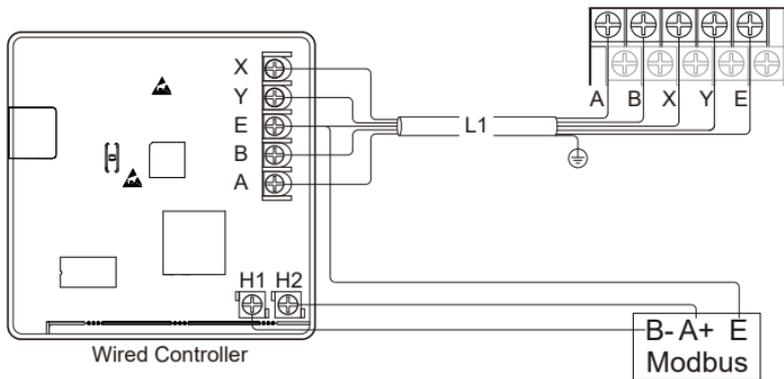
7.3 Installation procedure and matching setting of wired controller

7.3.1 Structure size figure

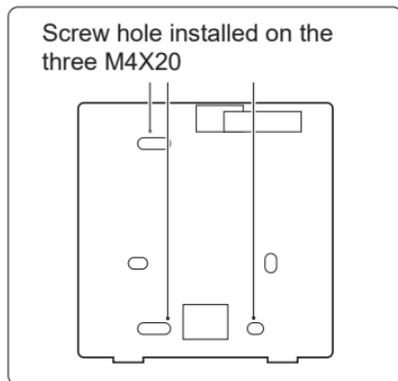
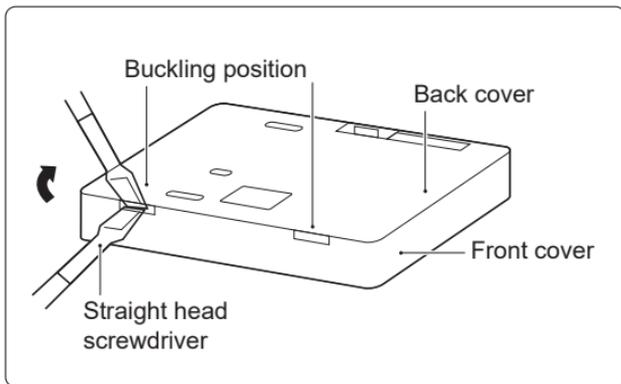


7.3.2 Wiring

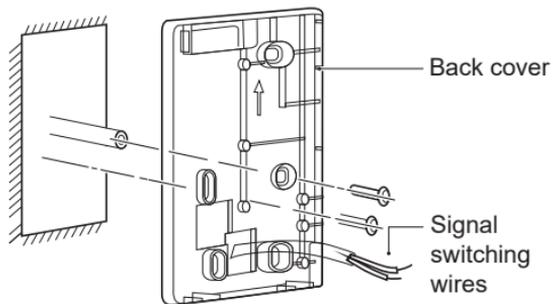
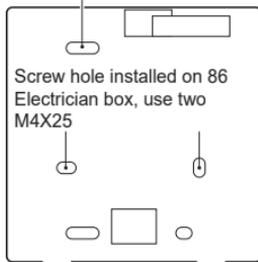
Input Voltage(A/B)	13.5VAC
Wiring size	0.75mm ²



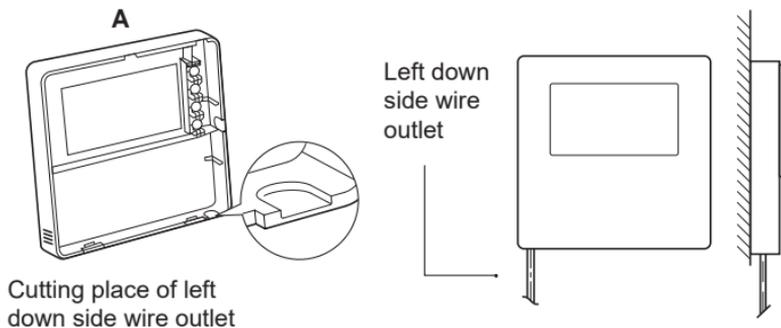
7.3.3 Back cover installation

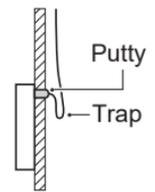
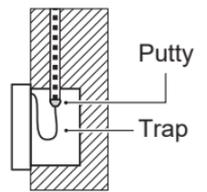
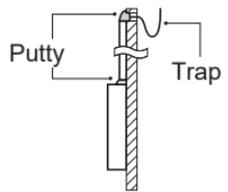
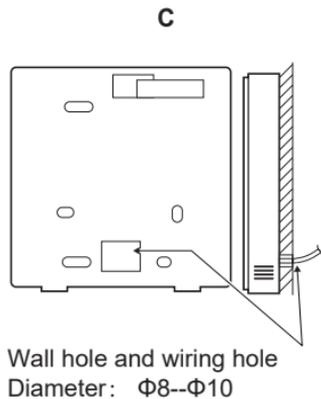
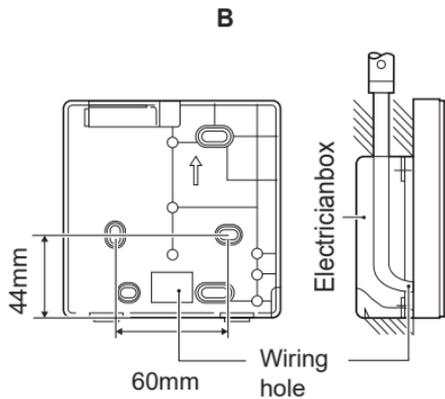


Screw hole installed on the
three M4X20



- 1) Use straight head screwdriver to insert in the buckling position in the bottom of wired controller, and spin the screwdriver to take down the back cover. (Pay attention to spinning direction, otherwise will damage the back cover!)
- 2) Use three M4X20 screws to directly install the back cover on the wall.
- 3) Use two M4X25 screws to install the back cover on the 86 electrician box, and use one M4X20 screws for fixing on the wall.
- 4) Adjust the length of two plastic screw bars in the accessory to be standard length from the electrical box screw bar to the wall. Make sure while installing the screw bar to the wall, making it as flat as the wall.
- 5) Use cross head screws to fix the wired controller bottom cover in the wall through the screw bar. Make sure the wired controller bottom cover is on the same level after installation, and then install the wired controller back to the bottom cover.
- 6) Over fastening the screw will lead to deformation of back cover.

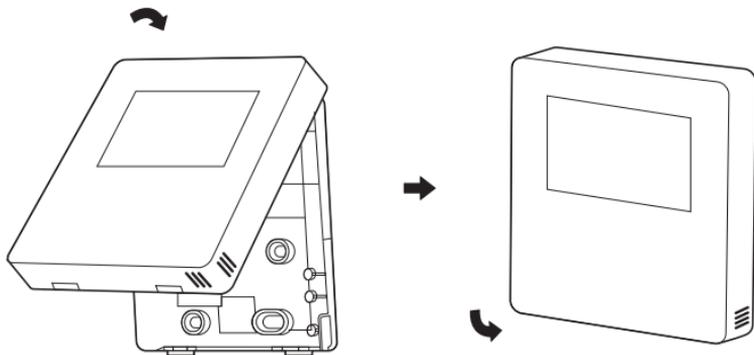




Avoid the water enter into the wired remote controller, use trap and putty to seal the connectors of wires during wiring installation.

7.4 Front cover installation

After adjusting the front cover and then buckle the front cover; avoid clamping the communication switching wire during installation.



Sensor can not be affected with damp.

Correct install the back cover and firmly buckle the front cover and back cover, otherwise will make the front cover drop off.



8 Code table

Error code	Value	Content
E0	1	Water flow fault(E8 displayed 3 times)
E1	2	Phase loss or neutral wire and live wire are connected reversely(only for three phase unit)
E2	3	Communication fault between controller and hydraulic module
E3	4	Final outlet water temp. sensor(T1) fault
E4	5	Water tank temp. sensor(T5) fault
E5	6	The condenser outlet refrigerant temperature sensor(T3) fault
E6	7	The ambient temperature sensor(T4) fault
E7	8	Buffer tank up temp. sensor(Tbt1) fault
E8	9	Water flow failure
E9	10	Suction temp. sensor (Th) fault
EA	11	Discharge temp. sensor (Tp) fault
Eb	12	Solar temp. sensor(Tsolar) fault
Ec	13	Buffer tank low temp. sensor(Tbt2) fault
Ed	14	Inlet water temp. sensor(Tw_in) malfunction
EE	15	Hydraulic module EEprom failure
P0	20	Low pressure switch protection
P1	21	High pressure switch protection
P3	23	Compressor overcurrent protection
P4	24	High discharge temperature protection
P5	25	Tw_out - Tw_in value too big protection
P6	26	Inverter module protection
Pb	31	Anti-freeze mode
Pd	33	High temperature protection of refrigerant outlet temp. of condenser
PP	38	Tw_out - Tw_in unusual protection
H0	39	Communication fault between main board PCB B and main control board of hydraulic module
H1	40	Communication fault between inverter module PCB A and main control board PCB B
H2	41	Refrigerant liquid temp. sensor(T2) fault
H3	42	Refrigerant gas temp. sensor(T2B) fault
H4	43	Three times L0/L1 protection
H5	44	Room temp. sensor (Ta) fault
H6	45	DC fan motor fault
H7	46	Voltage protection

Error code	Value	Content
H8	47	Pressure sensor fault
H9	48	Outlet water for zone 2 temp. sensor(Tw2) fault
HA	49	Outlet water temp. sensor(Tw_out) fault
Hb	50	3 times PP protection and Tw_out<7℃
Hd	52	Communication fault between hydraulic module parallel
HE	53	Communication error between main board and thermostat transfer board
HF	54	Inverter module board EE PROM fault
HH	55	H6 display 10 times in 2 hours
HP	57	Low pressure protection (Pe<0.6) occurred 3 times in 1 hour
C7	65	Transducer module temperature too high protection
bH	112	PED PCB fault
F1	116	Low DC generatrix voltage protection
L0	134	Module protection
L1	135	DC generatrix low voltage protection
L2	136	DC generatrix high voltage protection
L4	138	MCE fault
L5	139	Zero speed protection
L7	141	Phase sequence fault
L8	142	Speed difference > 15Hz protection between the front and the back clock
L9	143	Speed difference > 15Hz protection between the real and the setting speed

NOTE

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NOTE

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NOTE

A series of 18 horizontal dotted lines for writing notes.

16110600000646 V.D

此页不做菲林，仅核对使用

印刷技术要求

材质	封面封底铜版纸105g 内页双胶纸80g
规格	120*120(双面)
颜色	黑白
其他	

设计更改记录表（仅做说明用，不做菲林）

版本升级	更改人	更改日期	更改主要内容	涉及更改页面 (印刷页码)
A>B	陈厚生	2022-01-26	点位表修改	P55-P58
B-C	吴臻茂	2023-1-16	见附件更改记录表	见附件更改记录表 封面材质 改成铜版纸105g
C>D	陈厚生	2023-09-16	上位机端子 接线说明勘误： A+、B-调换位置	P41