This product utilizes **R-454B** *refrigerant*

MRCOOL®
Olympus Series
Wired Thermostat

INSTALLATION & OWNER'S MANUAL

MODELS:

DUCT-*HP-230B-O



Read this manual carefully before installation and keep it where the operator can easily find it for future reference.

Due to updates and constantly improving performance, the information and instructions within this manual are subject to change without notice.

Version Date: July 2, 2025
Please visit www.mrcool.com/documentation
to ensure you have the latest version of this manual.

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COMFORT MADE SIMPLE

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Safety Precautions

Read Before Using

Incorrect usage may cause serious damage or injury.

The symbols below are used throughout this manual to indicate instructions that should be followed closely or actions that should be avoided to prevent death, injury, and/or property damage.

WARNING	Indicates the possibility of personal injury or loss of life.
CAUTION	Indicates the possibility of property damage or serious consequences.

WARNING

1. This product should only be installed by professionals. Installation by others may lead to incorrect installation, electric shock, or fire.
2. Adhere to this installation manual.
3. Re-installation must be performed by professionals.
4. Do not install the unit in a location potentially exposed to flammable gas leakage, as this could lead to fire.

CAUTION

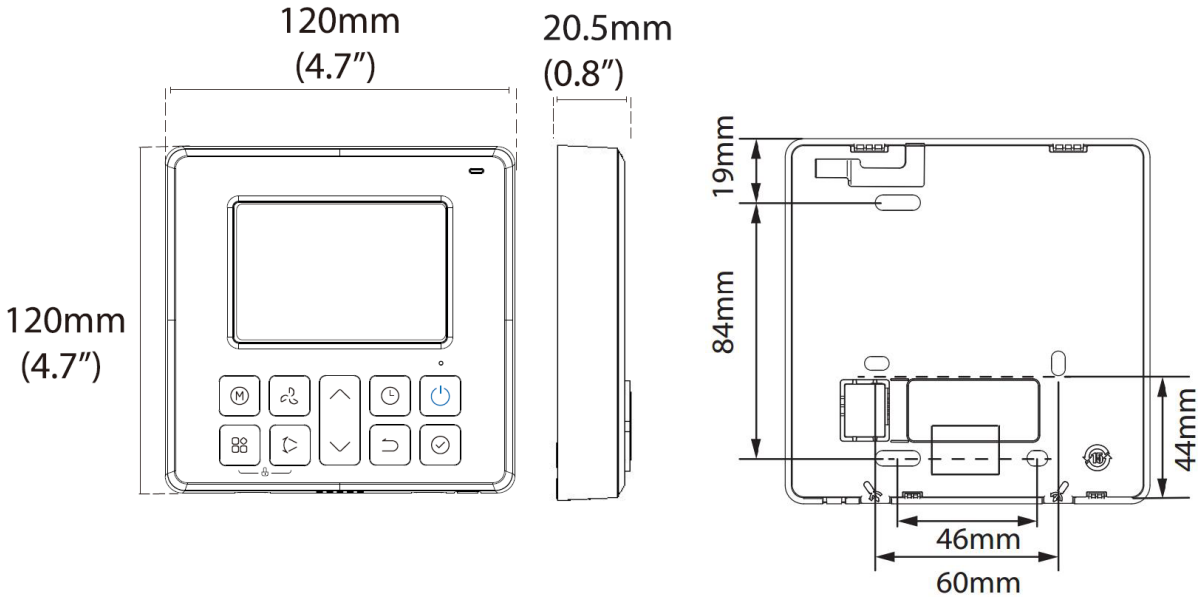
1. Do not operate the unit with wet hands or let water enter the unit. This could lead to electric shock.
2. The wiring should adapt to the current of the thermostat. Otherwise, electrical leakage may occur and result in fire.
3. The specified cables should be used in the wiring. No external force should be applied to the terminal. This could lead to electrical shock or fire.

2.1 Packing List

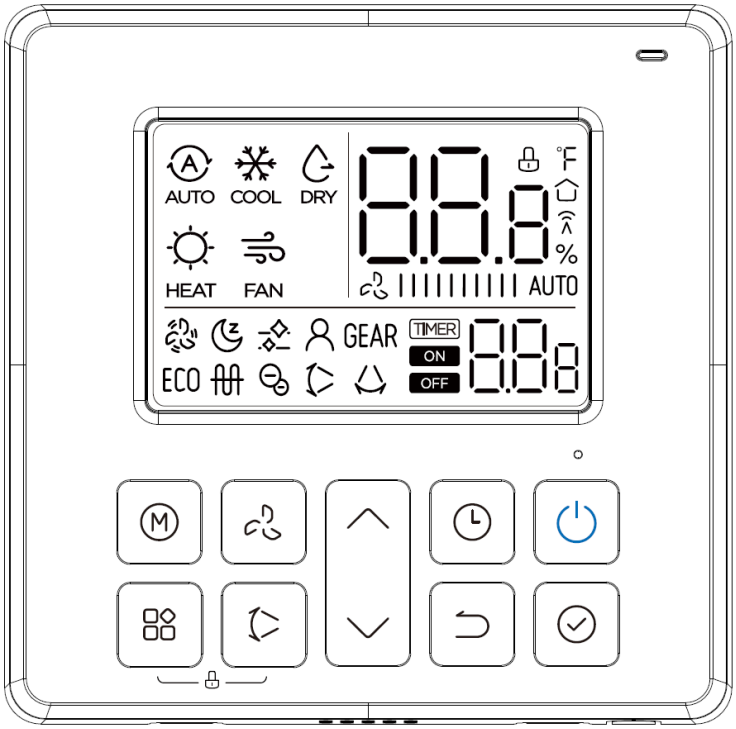
This product comes with the following accessories. Use all of the installation parts and accessories to install the unit. Improper installation may result in electrical shock and fire, or cause the equipment to fail. The items that are not included with the product must be purchased separately.

PART	QUANTITY
Manual	1
Screws (M4X25)	5
Anchors	3
Plastic Screw Bars	2 (Optional for Switch Box)
Connective Wire Group	1
Tapping Lock Screw & Washer (M4X8)	1 (For sheet metal of indoor unit)

2.2 Dimensions



2.3 Button Functions



ADJUST BUTTON
- The UP (▲) and DOWN (▼) buttons are used to adjust the temperature.

MODE BUTTON
- Used to select the operating mode
  AUTO→COOL→DRY→HEAT→FAN
- For cooling-only units, there is no HEAT function.

TIMER BUTTON
- Used to automatically turn on/off the air conditioner at a specified time.

ON/OFF BUTTON
- Used to start/stop the air conditioner.

FUNC. BUTTON
- Used to scroll through operation functions as followings:

CONFIRM button

BACK botton

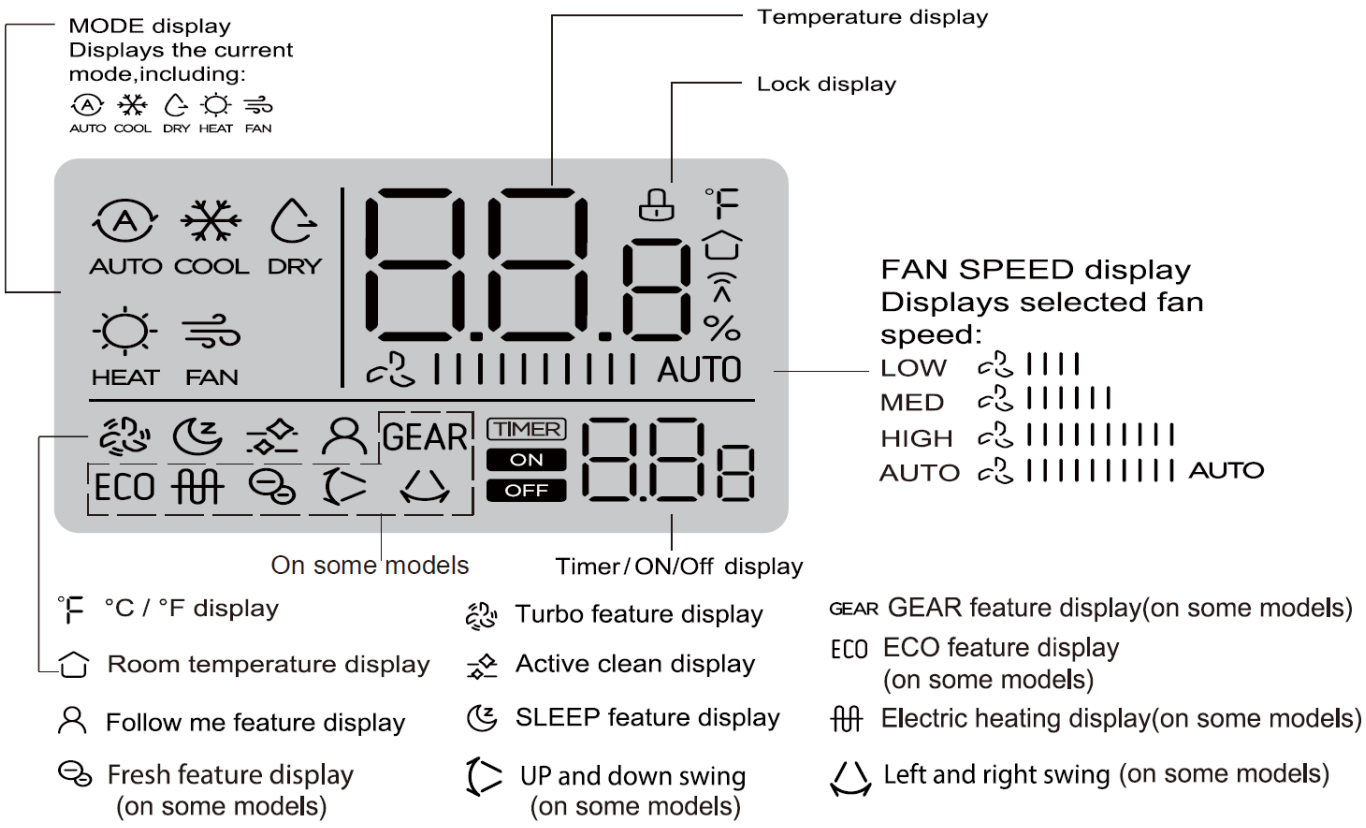
FAN SPEED BUTTON
- Used to select the fan speed.

Low Med. High

SWING BUTTON
- The SWING button starts and stops the louver movement and sets the desired airflow direction.

LOCK BUTTON
- Used to lock/unlock the current setting.

2.4 LCD Display Icons



WARNING

1. Do not remove the cover or touch the interior parts of the unit.
2. Do not use sharp or pointed objects to press the buttons of the unit.

3 PRODUCT INSTALLATION

3.1 Wiring

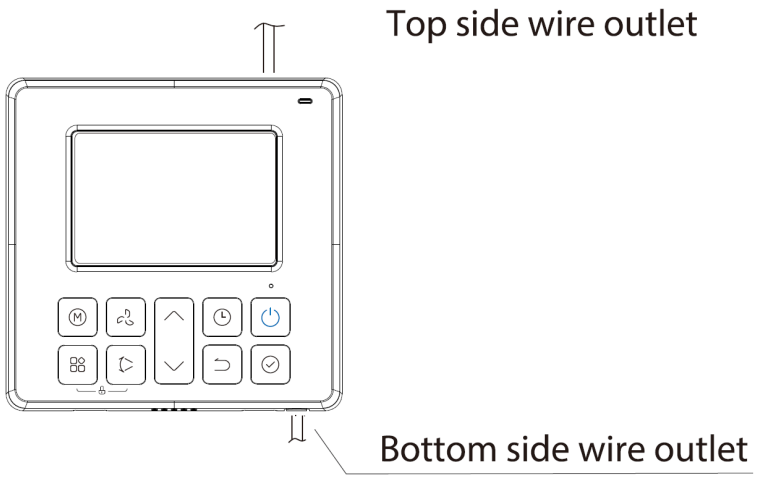
WARNING

1. The wiring should adapt to the wire control current. Otherwise, fire can result from electrical leakage or overheating.
2. Only use the specified cables for the wiring. Do not apply external force to the terminal, as the wire can become damaged, leading to risk of fire.

CAUTION

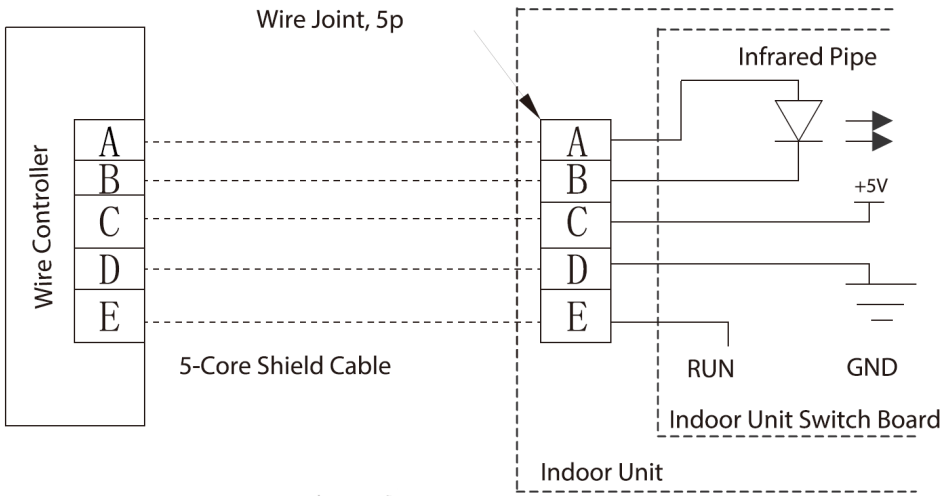
1. The shielded wire must be grounded.
2. The connecting cable should be no longer than 65.5' (20m).
3. The thermostat operates on a low voltage circuit loop. Do not connect a 220V or 380V cable to the circuit loop.
4. Make sure that configured tubes are 12-20" (30-50cm) or more apart.
5. Do not use an ohmmeter to detect the insulation after wiring the thermostat.

Wire Outlet Overview

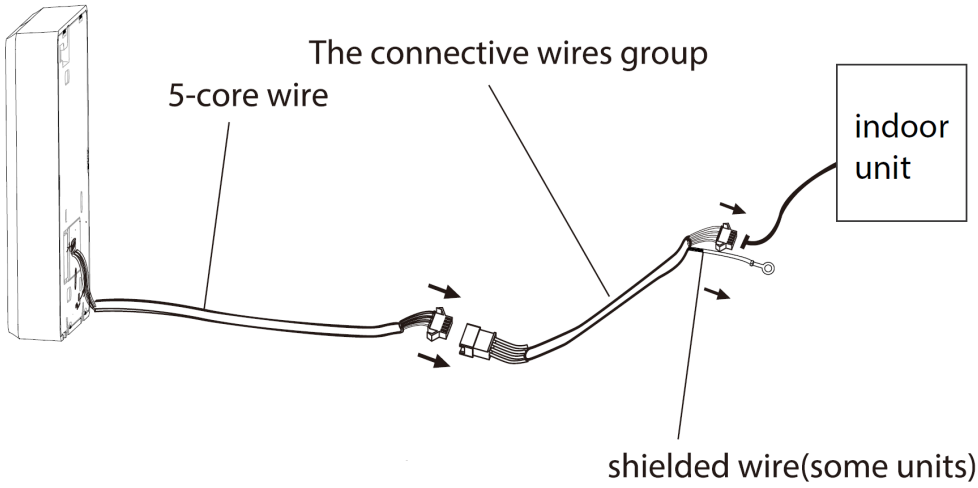


Wiring Diagram

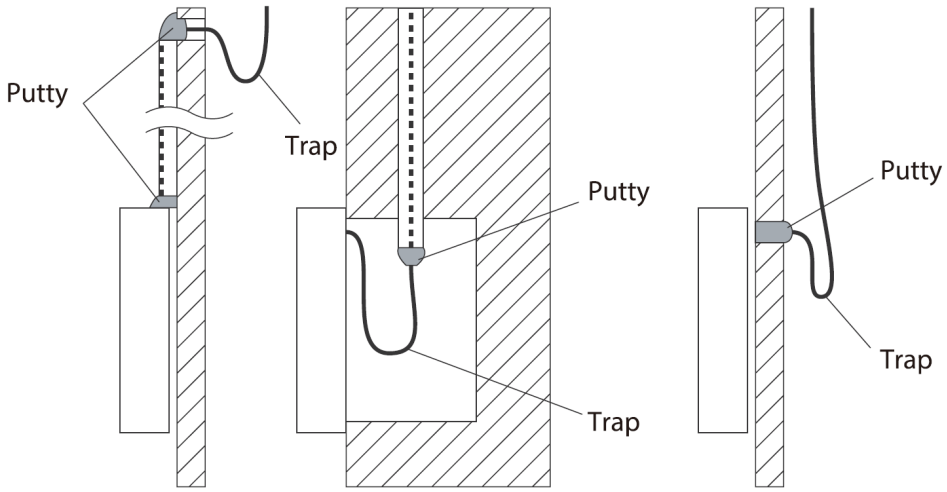
Refer to the following diagram to wire the thermostat to the indoor unit.



1. Connect the wire from the display panel of the indoor unit to a connecting cable. Then, connect the other side of the connecting cable to the thermostat.

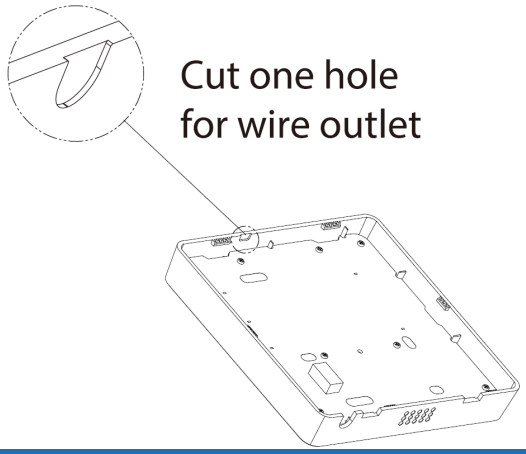


NOTE: Be sure to reserve a length of the connecting wire for periodic maintenance. If there is a connection lug at the end of the shielded wire, the connection lug should be properly grounded.

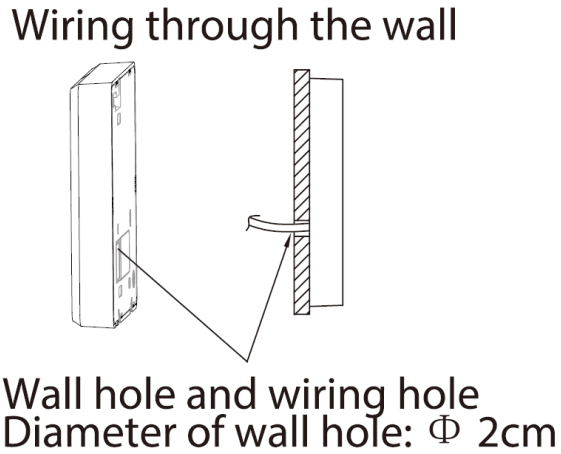


NOTE: **DO NOT** allow water to enter the thermostat. Use a trap and putty to seal the wires.

2. For exposed mounting, cut holes on four of the sides according to the following figure:



For shielded wiring, refer to the following figure:

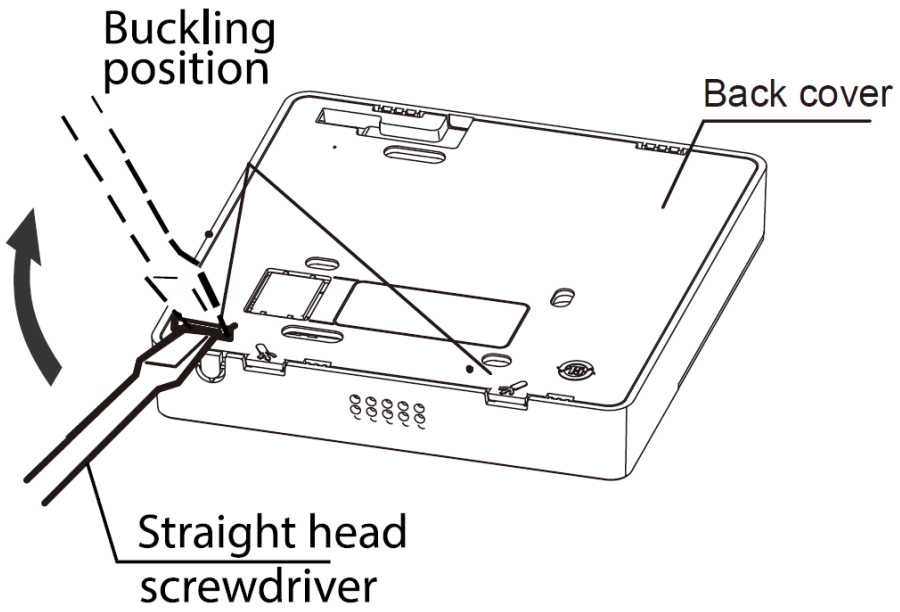


3.2 Installation

WARNING

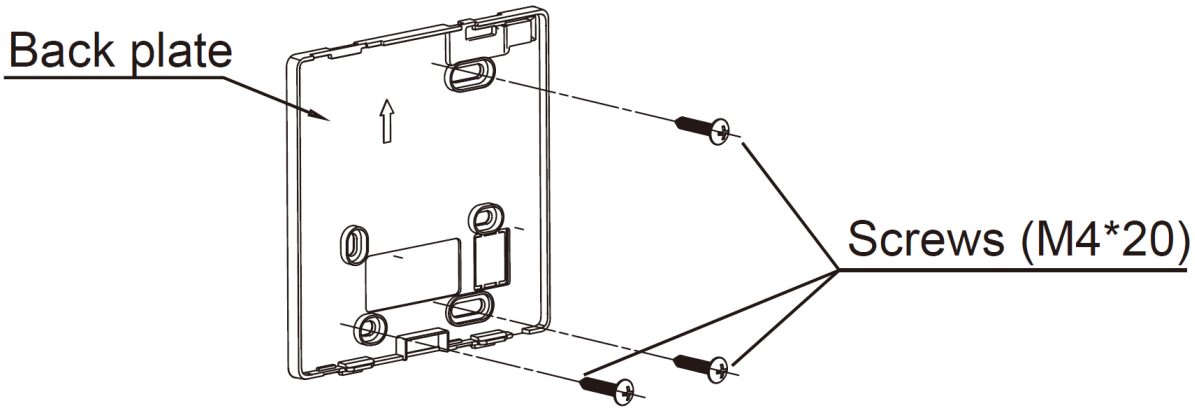
1. Do not operate the unit with wet hands, as this could lead to electrical shock.
2. Do not install the unit near flammable liquids or gases such as gasoline or hydrogen sulfide, as it will create a fire hazard.

1. Remove the top panel of the thermostat. Insert a screwdriver into the two slots at the bottom of the unit to pop off the top panel.



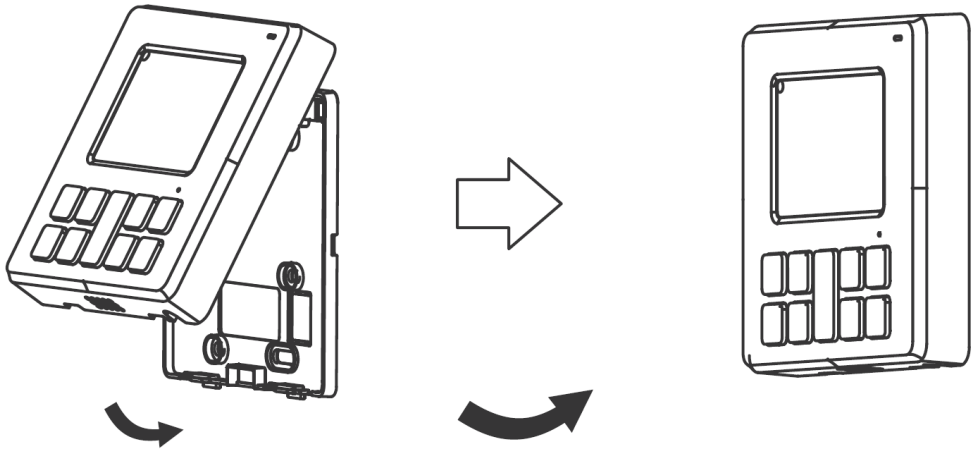
NOTE: The Printed Circuit Board (PCB) is mounted in the upper part of the thermostat. Be careful not to damage the board with the screwdriver.

2. Mount the back plate of the unit. Fasten the back plate to the wall with 3 screws and anchors.



NOTE: Place the unit on a flat surface. Be careful not to distort the back plate of the thermostat by over-tightening the screws.

3. Reattach the top panel of the unit.



CAUTION

DO NOT clamp the wired when reattaching the top panel.

4 - Functions

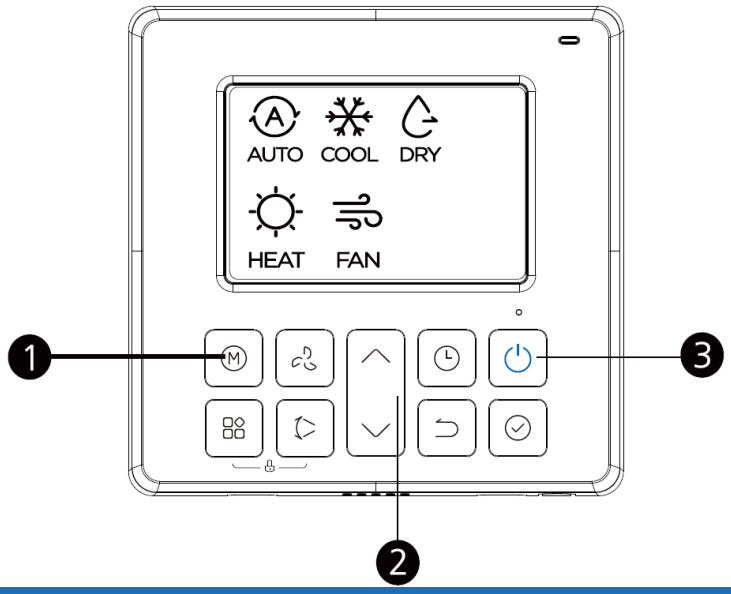
The following are instructions for the basic functions of the wired thermostat.

Auto Function

In Auto Mode, the unit will automatically select the Cool, Heat, Fan, or Dry function based on the set temperature.

1. Press the Mode button, and select Auto.
2. Set your desired temperature using the Up and Down buttons. (In Auto mode, fan speed cannot be set.)
3. Press the On/Off button to start the unit.

NOTE: In Auto mode, the fan speed is automatically set on Auto mode and cannot be changed.

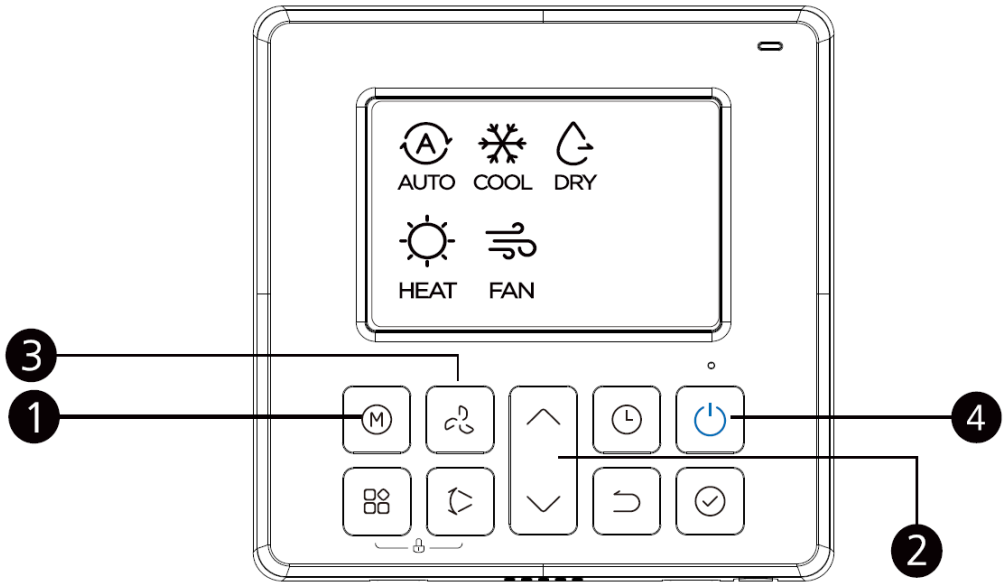


4 FUNCTIONS

Cool/Heat/Fan Function

1. Press the Mode button to select Cool, Heat, or Fan.
2. Set your desired temperature using the Up or Down buttons.
3. Press the Fan Speed button to select the fan speed.
4. Press the On/Off button to start the unit.

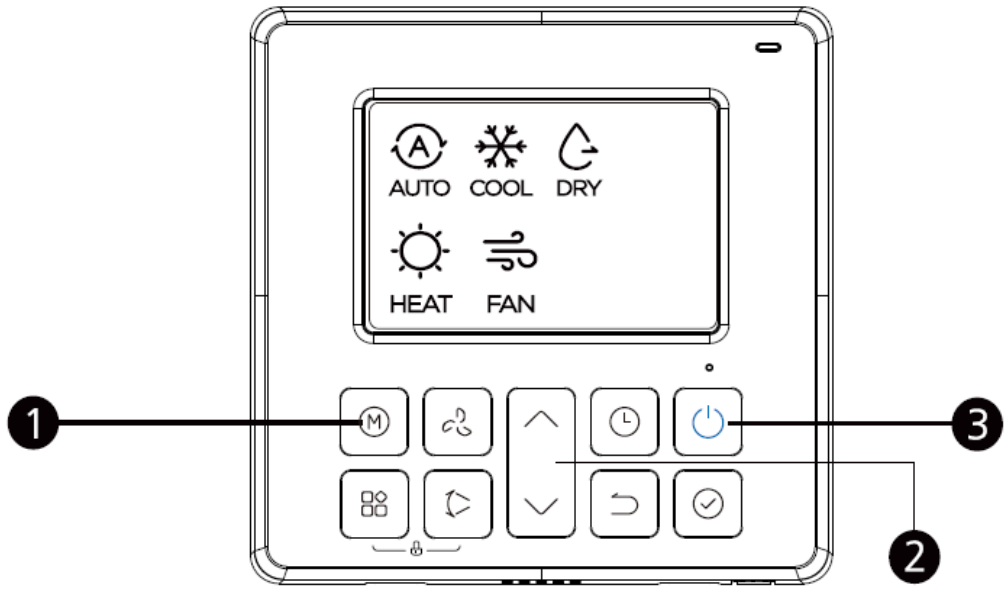
NOTE: In Fan mode, the temperature cannot be changed.



Dry Function

1. Press the Mode button to select Dry.
2. Set your desired temperature using the Up or Down buttons.
3. Press the On/Off button to start the unit.

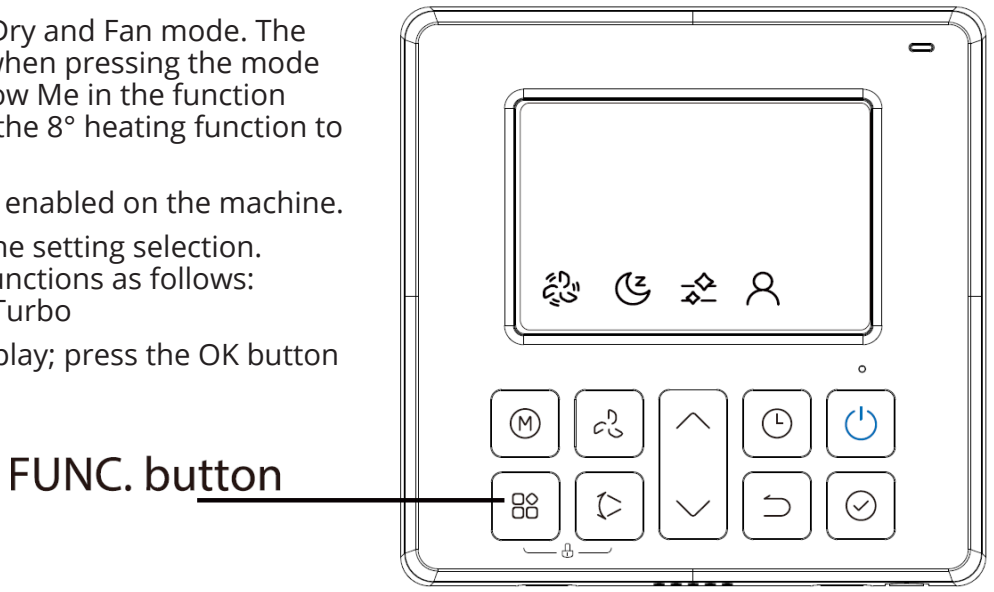
NOTE: In Dry mode, the Fan Speed buttons cannot be used.



Follow Me Function

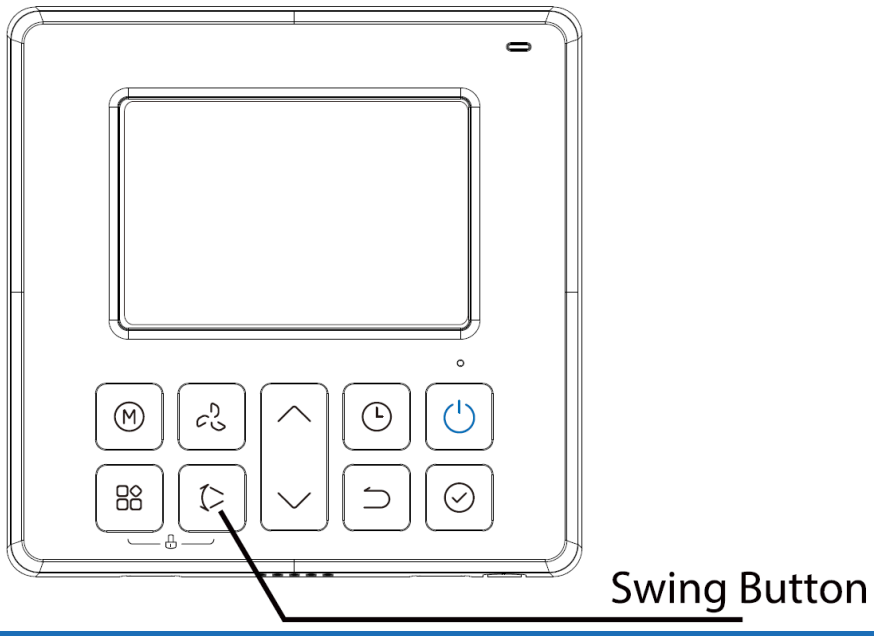
1. When the Follow Me function is selected, press the confirm button once, and Follow Me on the unit will illuminate.
2. When the Follow Me function is selected, press the confirm button again to cancel the Follow Me function, and the Follow Me icon will turn off.
3. The Follow Me function is invalid in Dry and Fan mode. The Follow Me function is not canceled when pressing the mode key or powering off. Only select Follow Me in the function key, and confirm to cancel, or press the 8° heating function to cancel.
4. By default, the Follow Me function is enabled on the machine.
5. Press the Function button to enter the setting selection. Then, scroll through the operating functions as follows: Turbo→Sleep→Clean→Follow Me→Turbo

The selected symbol will flash in the display; press the OK button to confirm.



Setting Air Flow Direction

1. Up-Down Swing - Press the Swing button to start the Up-Down Swing function. The icon will appear. Press it again to stop.
2. Left-Right Swing - Press the Swing button for 2 seconds to start Left-Right Swing function. The icon will appear. Press it for 2 seconds again to stop.
3. Turn On/Off Child Lock (+) - Press and hold the function key and the horizontal swing key for 3 seconds.



Timer Function

The unit has two timer-related functions:

- Timer On - sets the amount of time after which the unit will automatically turn on. (Delayed on)
- Timer Off - sets the amount of time after which the unit will automatically turn off. (Delayed off)

1. Timer On Function:

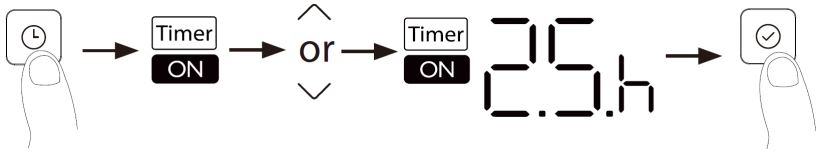
The Timer On function allows you to set a period of time after which the unit will automatically turn on, such as when you arrive home from work.

a. Press Timer On button. By default, the last time period previously set along with an "H" (indicating hours) will appear on the display.

b. Press Timer On button repeatedly to set the time you want the unit to turn on.

c. Wait 3 seconds, then the Timer On function will be activated. The digital display on the thermostat will then return to the temperature display.

EXAMPLE: Setting unit to turn on after 2.5 hours.

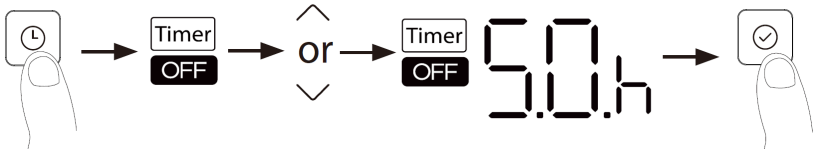


NOTE: The number indicates the amount of time after the current time that you want the unit to turn on. For example, if you set Timer On for 2 hours, "2.0 H" will appear on the screen, and the unit will turn on after 2 hours.

2. Timer Off Function:

The Timer Off function allows you to set a period of time after which the unit will automatically turn off, such as when you wake up.

EXAMPLE: Setting unit to turn off after 5 hours.



NOTE: When setting the Timer On or Timer Off functions, up to 10 hours, the time will increase in 30 minute increments with each press. After 10 hours and up to 24, each press will increase in 1 hour increments. The timer will revert to zero after 24 hours. You can turn off either function by setting its timer to "0.0 H".

Setting both Timer On and Timer Off Simultaneously (Combined Timer Function)

Keep in mind that the time periods you set for both functions refer to hours after the current time. For example, if the current time is 1:00pm, and you want the unit to turn on automatically at 7:00pm. You want it to operate for 2 hours, then automatically turn off at 9:00pm.

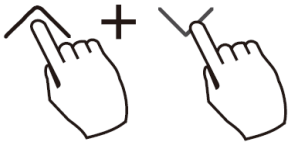
FP Function



The unit will operate at high fan speed (while the compressor is on) with temperature automatically set to 46°F (8°C).

Note: This function is for heat pump units only. Press this button 2 times in 1 second under Heat mode with a setting temperature of 60/62°F (16/17°C) or 68°F (20°C) (some models) to activate FP function. Press On/Off, Sleep, Mode, Fan, and Temp. button while operating to cancel this function.

°C and °F Scale Selection



Press the up and down buttons for 3 seconds to alternate the temperature display between °C and °F.

5 - Troubleshooting

Problem	Possible Causes	Solution
The fan speed cannot be changed	**Check whether AUTO mode has been selected.**	In AUTO mode, the fan speed is set automatically and cannot be changed.
	Check whether DRY mode has been selected.	In DRY mode, the fan speed button is disabled. The fan speed can only be changed in COOL, FAN, and HEAT mode.
The temperature display is off.	**Check whether FAN mode is selected.**	In FAN mode, the temperature cannot be adjusted.
The TIMER OFF disappears after a period of time.	**If the TIMER OFF function was activated, the operation may have finished.**	The unit will automatically stop at the set time and the indicator light will turn off.
The TIMER ON indicator disappears after a period of time.	**If the TIMER ON function was activated, the operation may have finished.**	The unit will automatically start at the set time and the indicator light will turn off.
There is no sound when the ON/OFF button is pressed.	**Check whether the signal transmitter of the remote control is properly directed towards the infrared signal receiver of the indoor unit.**	Point the remote control directly at the receiver and press the ON/OFF button twice.

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Consult with the sales agency or manufacturer for details.