IMMERGAS

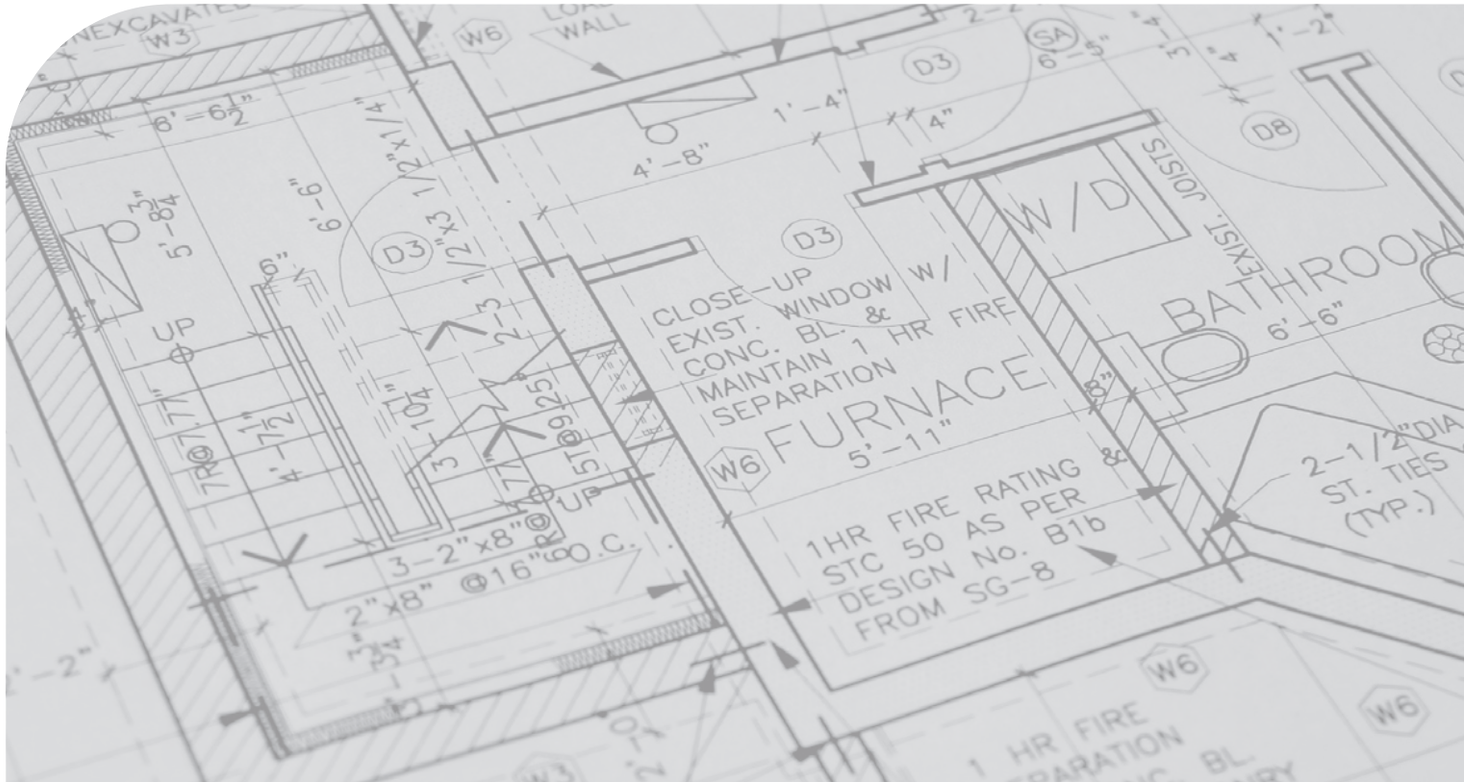
USER'S MANUAL

Wired Remote Control UI DUCT 9-12-18

IE

Instructions and warnings

1.049326ENG



Dear Costumer

Thank you for purchasing this product.

Before using the unit, carefully read this manual and keep it for future reference.

- This manual provides a detailed description of the precautions that you must pay attention to during use.

INDEX

Dear costumer..... 2
Safety symbols used..... 4
Personal protective equipment 4

1. Installation accessories. 5
2. Remote control dimensions. 6
3. Wiring diagram. 7
4. Installation diagram. 8
5. Wall-mounted installation. 9
6. Installation method. 12
7. Remote control specifications. 14
8. Safety precautions..... 15
9. Wired remote control pushbutton panel. 16
10. Remote control lcd display. 18
11. Basic functions..... 19

Safety symbols used

GENERIC HAZARD
Strictly follow all of the indications next to the pictogram. Failure to follow the indications can generate hazard situations resulting in possible serious harm to the health of the operator and user in general, and/or serious material damage.

Warnings
Strictly follow all of the indications next to the pictogram. Failure to follow the indications can generate hazard situations resulting in possible minor injuries to the health of the operator and user in general, and/or minor material damage.

Attention
Read and understand the appliance's instructions before performing any operation, carefully following the indications provided. Failure to follow the indications can generate appliance malfunctions.

Information
Indicates useful tips or additional information.

Personal protective equipment

This marking on the product means that waste electrical and electronic equipment must not be mixed with generic household waste.

Do not dispose of this product as unsorted city waste. Incorrect management of waste has potential negative effects on the environment and on human health.
To dispose of the device, refer to waste electrical and electronic equipment collection centres or contact the dealer that you purchased it from.
Discharged batteries must be taken out of the remote controls and disposed of separately in compliance with local regulations.

1. INSTALLATION ACCESSORIES.

Select the installation point.
Do not install this kit in the presence of combustible oil, sulphurous vapour or gases, as otherwise the product could deform and cause the system to malfunction.

Operations prior to installation.
1. Check that the following components are included in the package.

No.	Description	Q.ty	Notes
1	Wired remote control	1	
2	Use and installation manual	2	Italian and English
3	Screws	3	4x25 (wall-mounted installation)
4	Screws	2	M4x25 (for installation on electric box)
5	Screw	1	M4X8 spare to close P.C.B. zone sheet metal on DUCT indoor unit
6	Plugs	3	
7	Plastic spacers	2	Do not use
8	Extension cable L = 6 m	1	

2. Prepare the following material for installation.

No.	Description	Q.ty	Notes
1	Electrical box	1	If installed on top of it
2	Corrugated connection pipe	1	First recessed in the wall, must be shorter than 15 m.
3	Phillips screwdriver	1	To be used with Philips screws
4	Small flat-headed screwdriver	1	To be used to remove the top cover

3. Choose the appropriate installation room.
For wall-mounted installation of the wired remote control, foresee the connection with a corrugated pipe between the remote control and DUCT indoor unit to pass the cables through the wall.

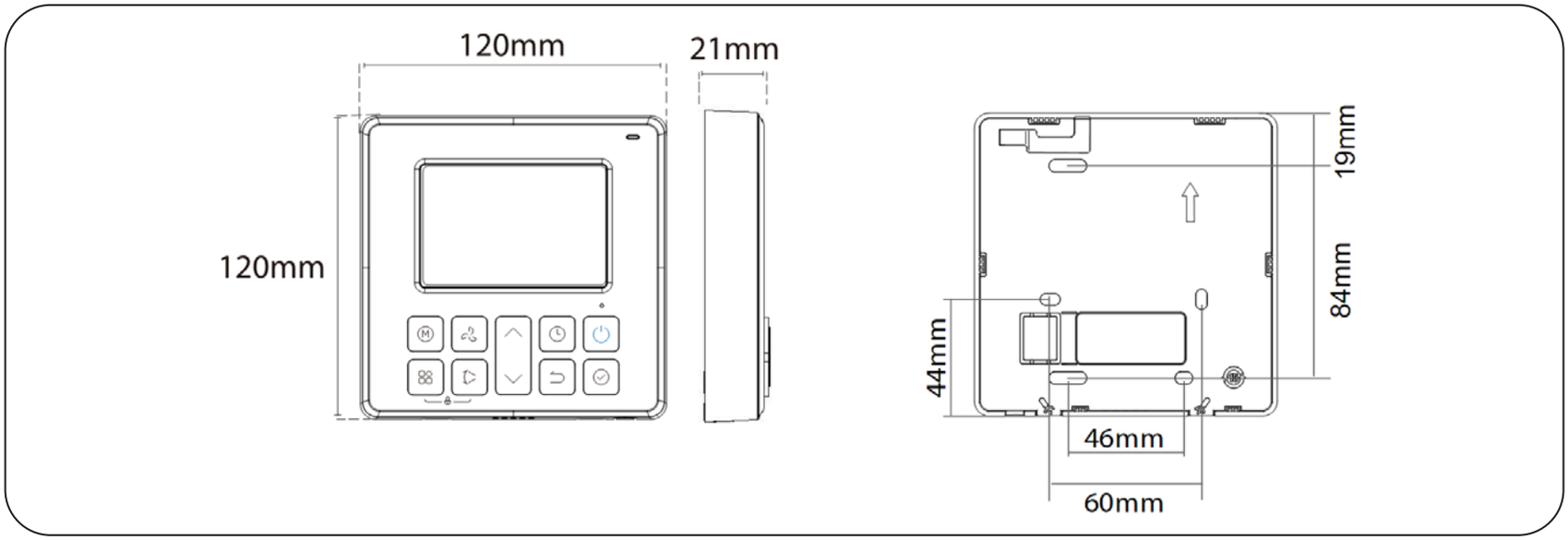
Precautions when installing the wall-mounted wired remote control.
1. This manual gives the method for installing the wall-mounted wired remote control. Please refer to the wiring diagram in this installation manual to wire the remote control with the indoor unit.

2. The wired remote control works in a low-voltage circuit. Do not connect it directly at a voltage of 220V or 380V. The connection cables between the wired remote control and the indoor unit must be 300-500 mm away from the high voltage circuit.

3. The shielded extension cable of the wired remote control must be connected to a reliable earth contact by means of the terminal lug.

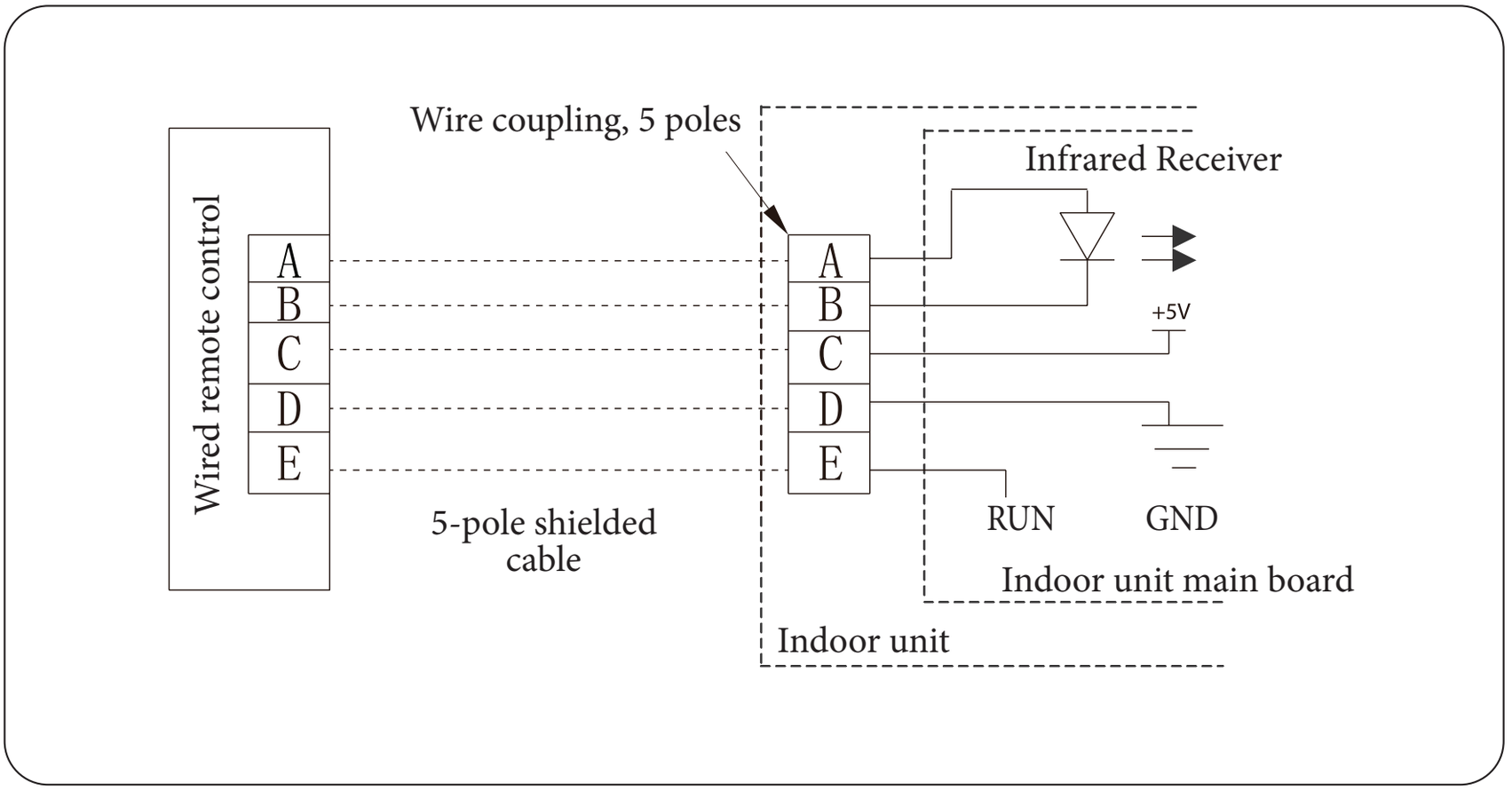
4. Do not try to make the extension cable longer by cutting and/or splicing it.

2. REMOTE CONTROL DIMENSIONS.



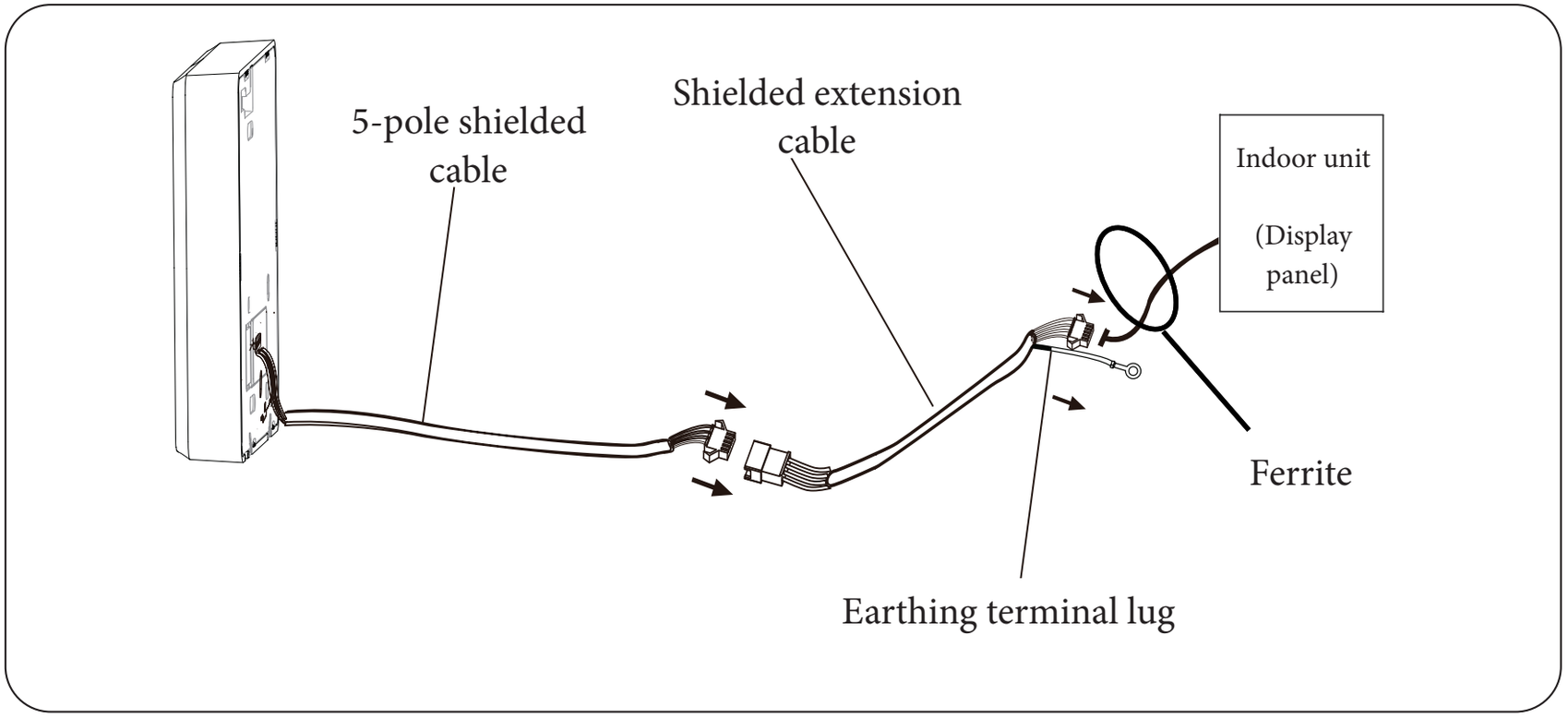
3. WIRING DIAGRAM.

Refer to the following diagram to connect the wall-mounted remote control to the indoor unit.



4. INSTALLATION DIAGRAM.

Connect the cable of the display panel coming from the DUCT indoor unit to the extension cable. Then connect the other side of the extension cable to the connection cable of the wired remote control.

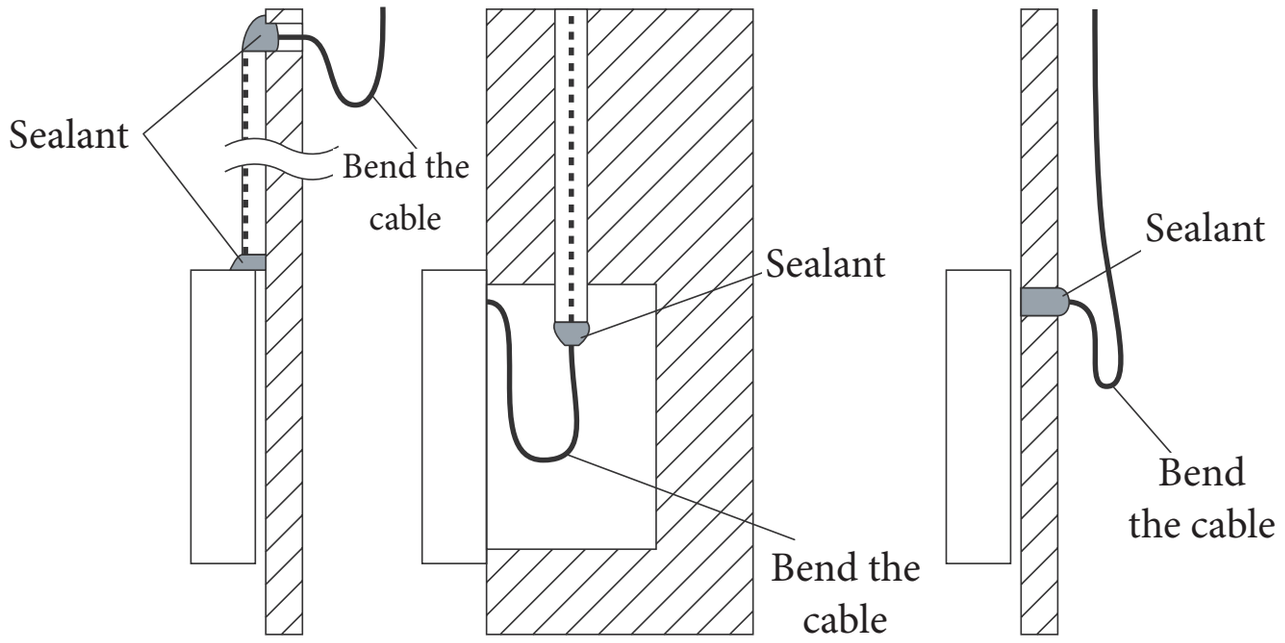


NOTE:

- **The earthing terminal lug (located at the end of the extension cable, indoor unit side) must be appropriately earthed.**
- **Connect the ferrite supplied in the DUCT indoor unit between the display panel and the connection with the extension cord, wrapping it twice around the connection cable.**

5. WALL-MOUNTED INSTALLATION.

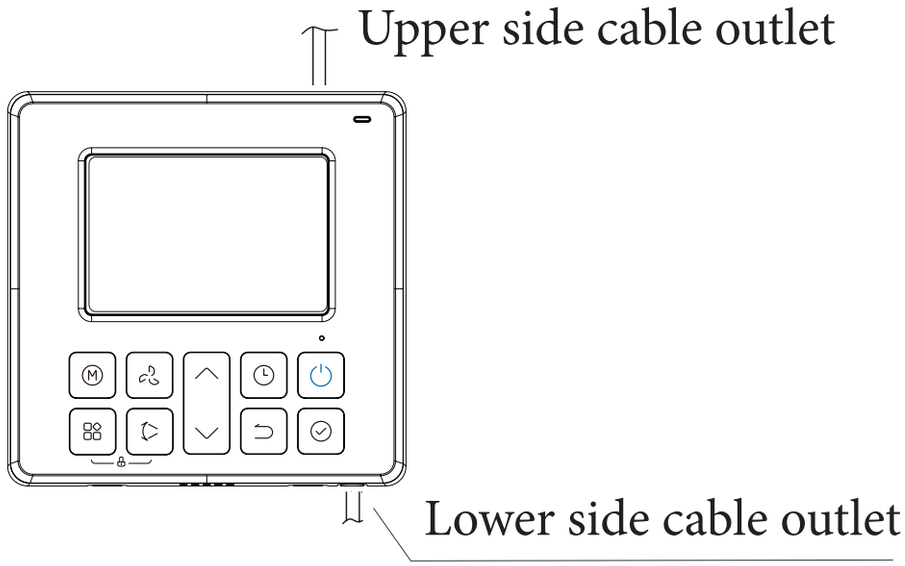
During installation, leave the connection cable long enough for easy removal of the wired remote control during maintenance.

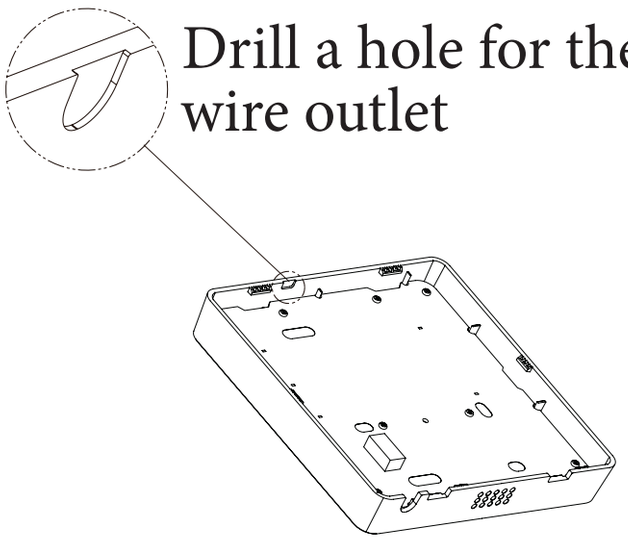


WARNING:

- **To prevent water from penetrating into the wall-mounted wired remote control, use a sealant to seal the cable connectors during installation.**

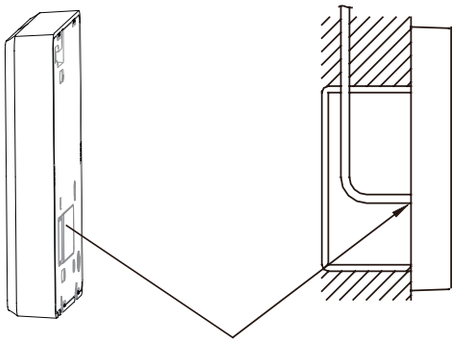
For installation with cables visible, there can be two outlet positions, upper and lower.
There is already a hole for the bottom outlet, while a hole needs to be drilled in the zone indicated in the figure below for the top outlet (there is an area indicated on the piece with reduced thickness.).





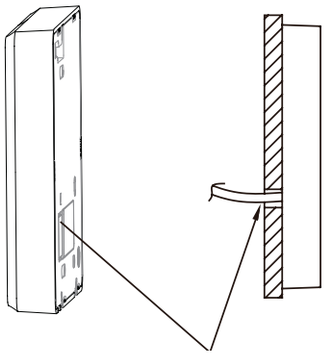
For installation with cables recessed in the wall, remove the pre-ducted area in the lower part and connect to the cables coming out of the wall.

Installation with electric box



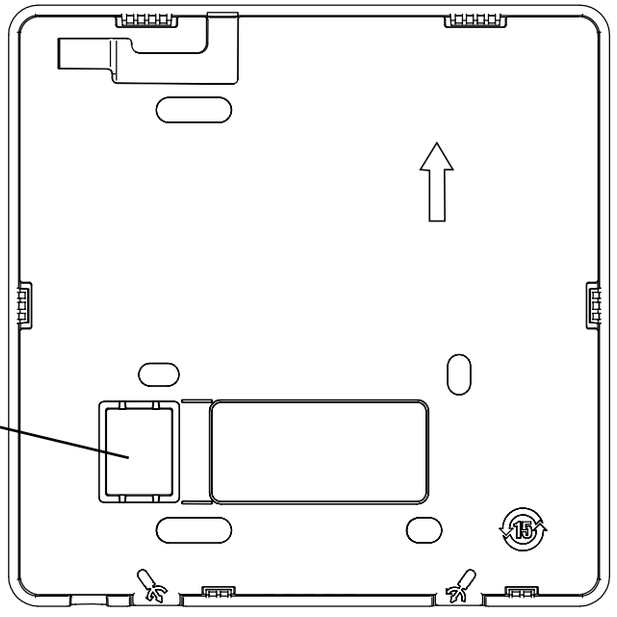
Cable passage hole

Installation with through cable in the wall



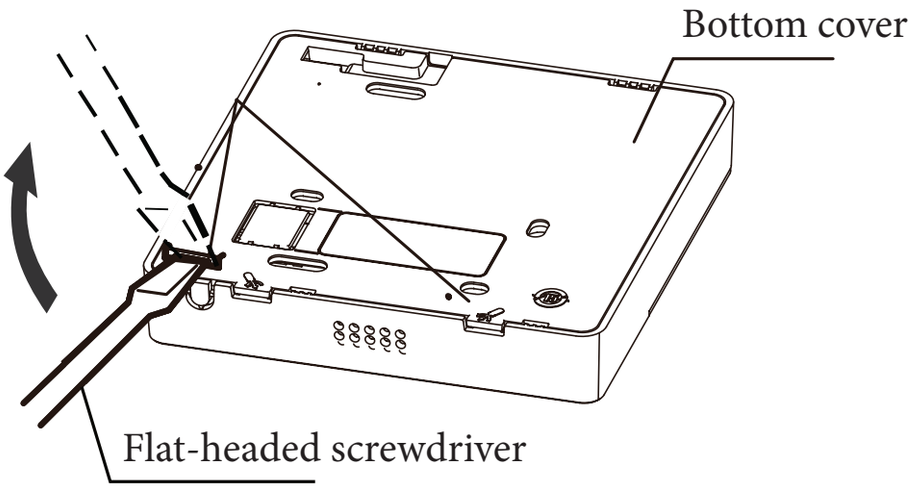
Wall hole diameter: Ø2 cm

Remove
precut zone



6. INSTALLATION METHOD.

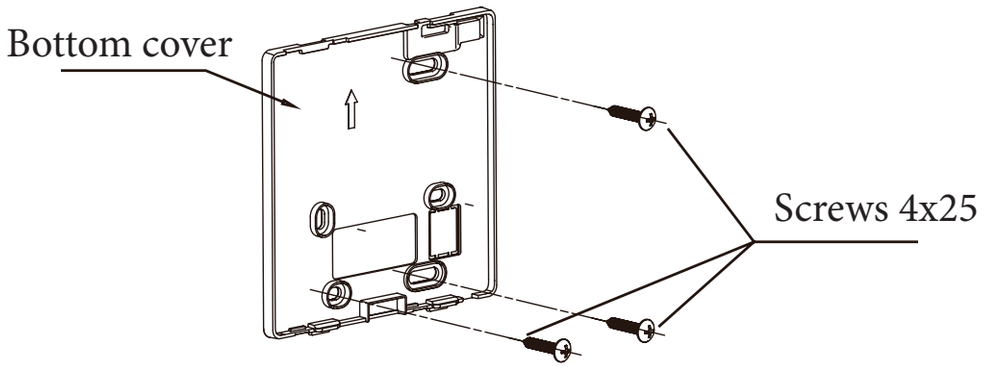
1. Remove the upper panel of the remote control. Insert a flat-headed screwdriver into the two slots at the bottom of the remote control to remove the upper panel.



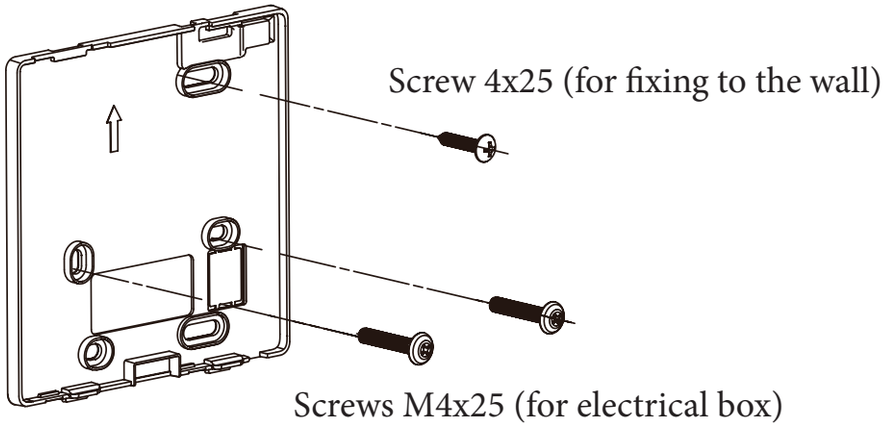
NOTE:
The PCB is installed in the upper part of the remote control. Be careful not to damage the board when opening with a screwdriver.

2. Install the back cover of the remote control

- A. For wall-mounting, secure the cover with the 3 plugs and 3 screws (4x25) supplied in the box.

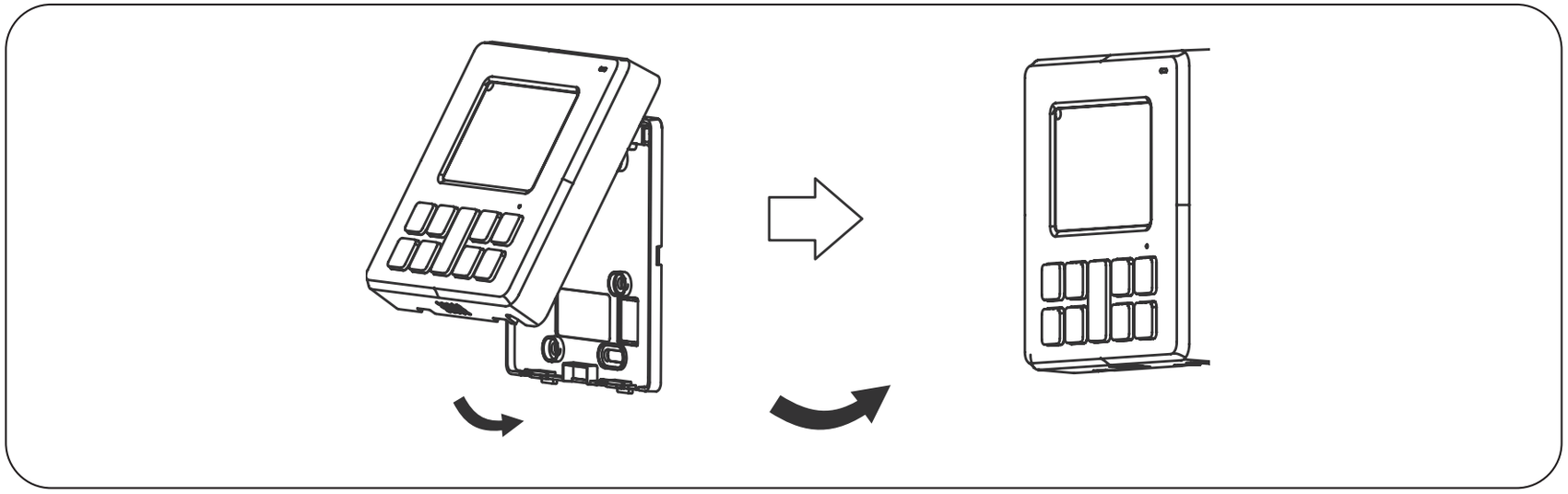


- B. For mounting on electric box below, use 2 screws (M4x25) and if needed secure the cover to the wall with 1 plug and 1 screw (4x25).



NOTE:
Install the wired remote control on a flat surface. Pay attention not to deform the back cover or to over-tighten the screws.

3. Reconnect the upper panel of the remote control.



NOTE:
Be careful not to pinch/cut the wires below when closing the panel.

7. REMOTE CONTROL SPECIFICATIONS.

Model	KJR-120L/F-E
Rated Voltage	5V
Operating temperature	0°C ~ 43°C

8. SAFETY PRECAUTIONS.

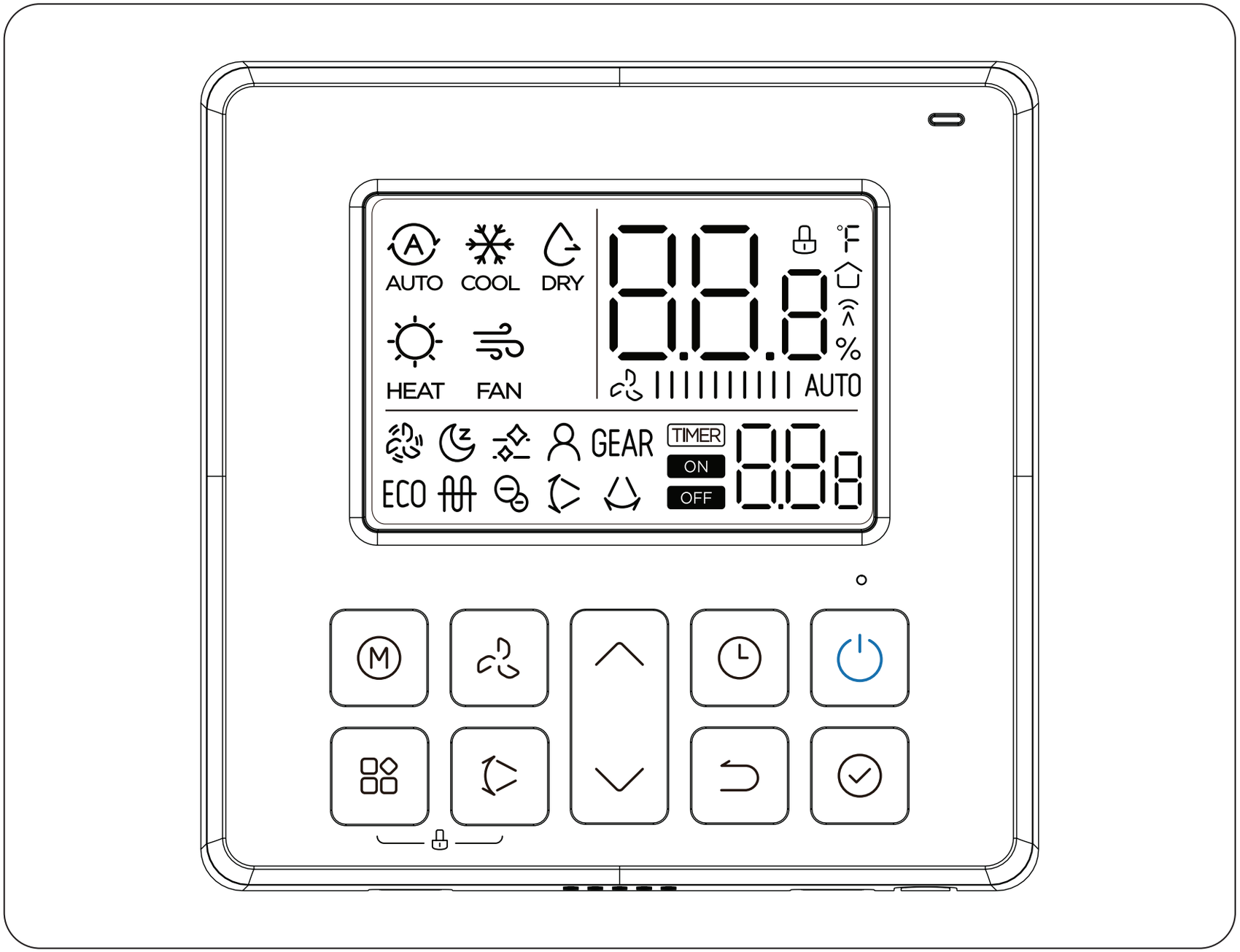
WARNING:

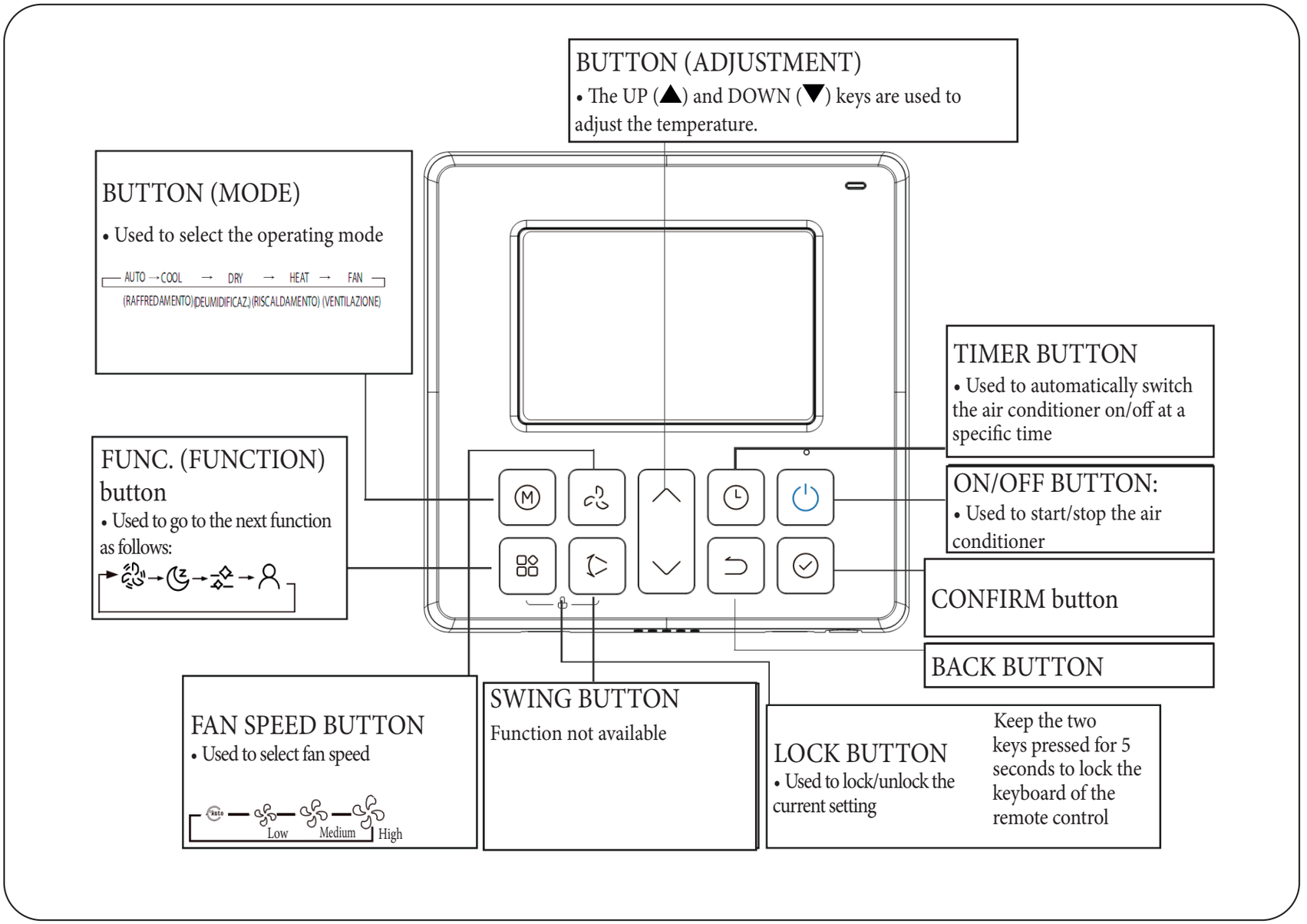
- **Please entrust professionals with workmanlike installation of the unit.**
- **Installation carried out by unskilled persons can be imperfect, with the risk of electrical shock or fire.**
- **Carefully follow this installation manual.**

NOTE:

- **Do not install the unit in a place exposed to flammable gas leaks. If the flammable gases reach the wall-mounted wired remote control, a fire could break out.**
- **Do not use the remote control with wet hands or allow water to penetrate into the wall-mounted wired remote control. Otherwise, electric shocks could occur.**
- **Use the cables supplied in the box to connect the wired remote control. Otherwise, electric leakage or overheating could occur and cause a fire.**

9. WIRED REMOTE CONTROL PUSHBUTTON PANEL.

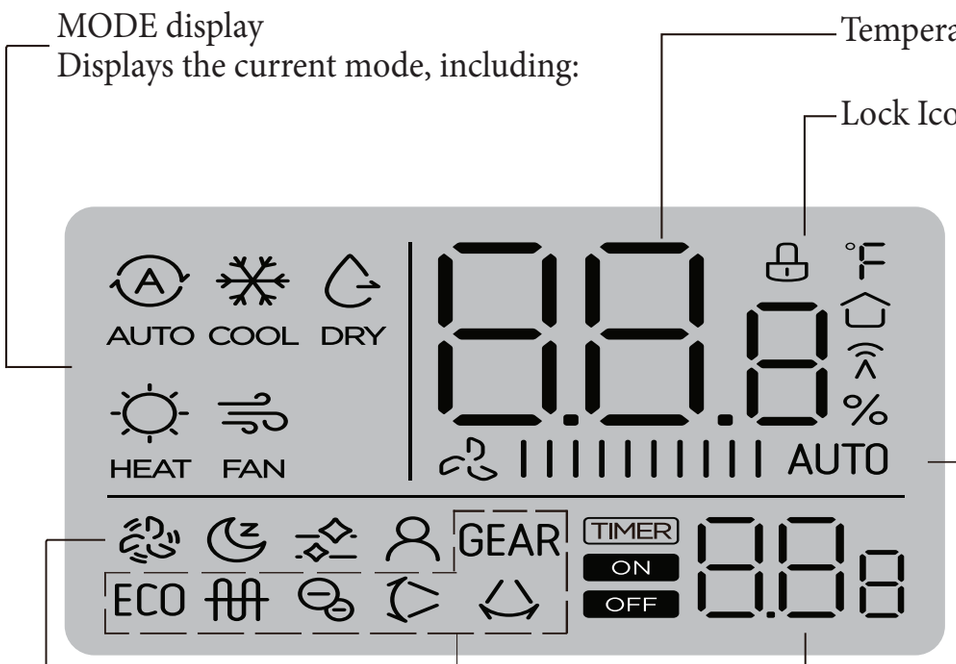




WARNING:

- **<u>DO NOT</u> remove the cover or touch the internal parts of the remote control.**
- **<u>DO NOT</u> press the remote control buttons with pointed objects.**

10. REMOTE CONTROL LCD DISPLAY.



°C / °F Icon

Room Temperature Icon

Follow me function icon

Fresh Function Icon (on certain models)

Turbo function icon

Cleaning Active Icon

SLEEP function icon

Swing UP and DOWN (on certain models)

GEAR function icon (on certain models)

ECO Function Icon (on certain models)

Electric heating display (on certain models)

Swing right and left (on certain models)

11. BASIC FUNCTIONS.

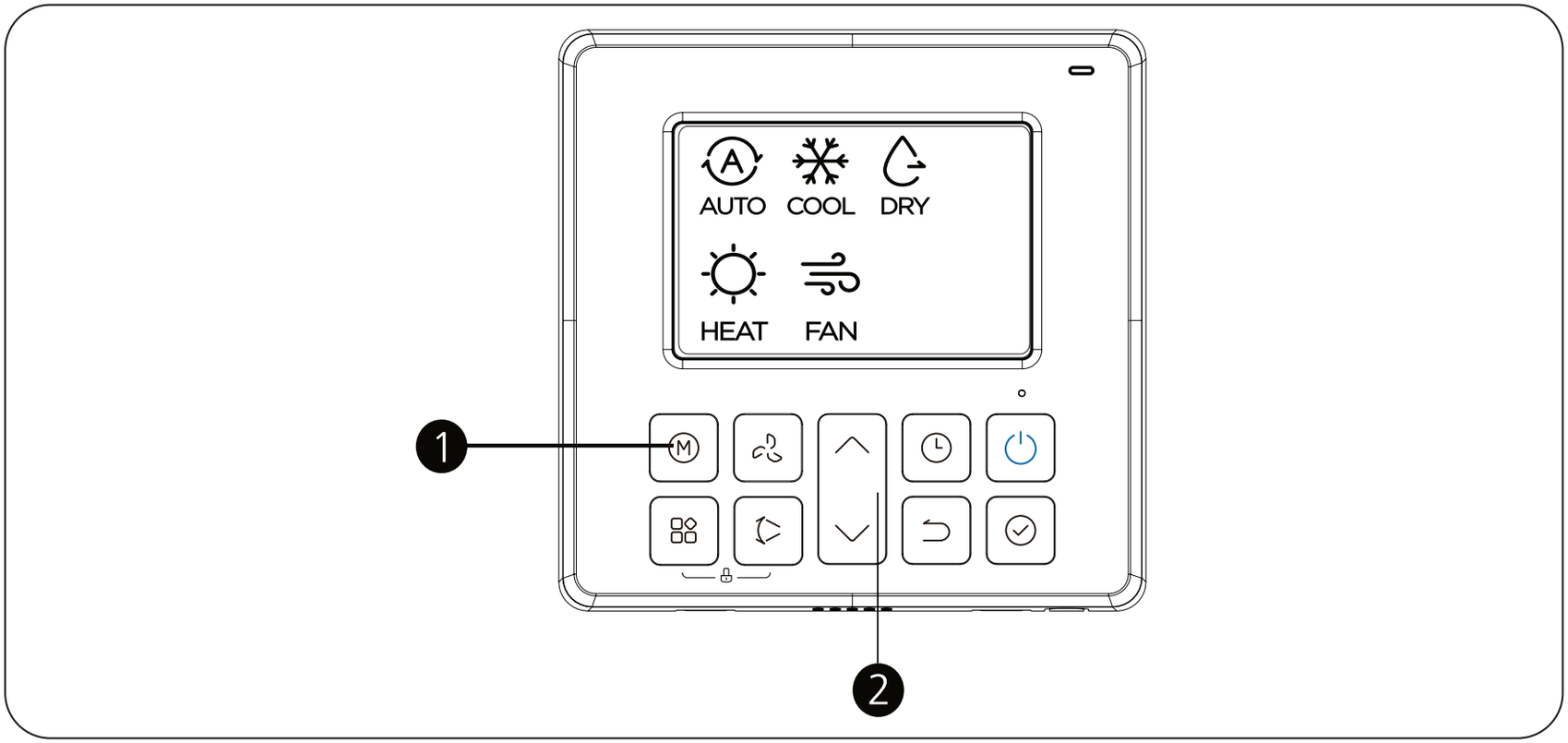
The following are the instructions for use of the basic functions of the air conditioner.

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 to select AUTO mode.
2. Press the UP (▲) in DOWN (▼) buttons to set the desired temperature.

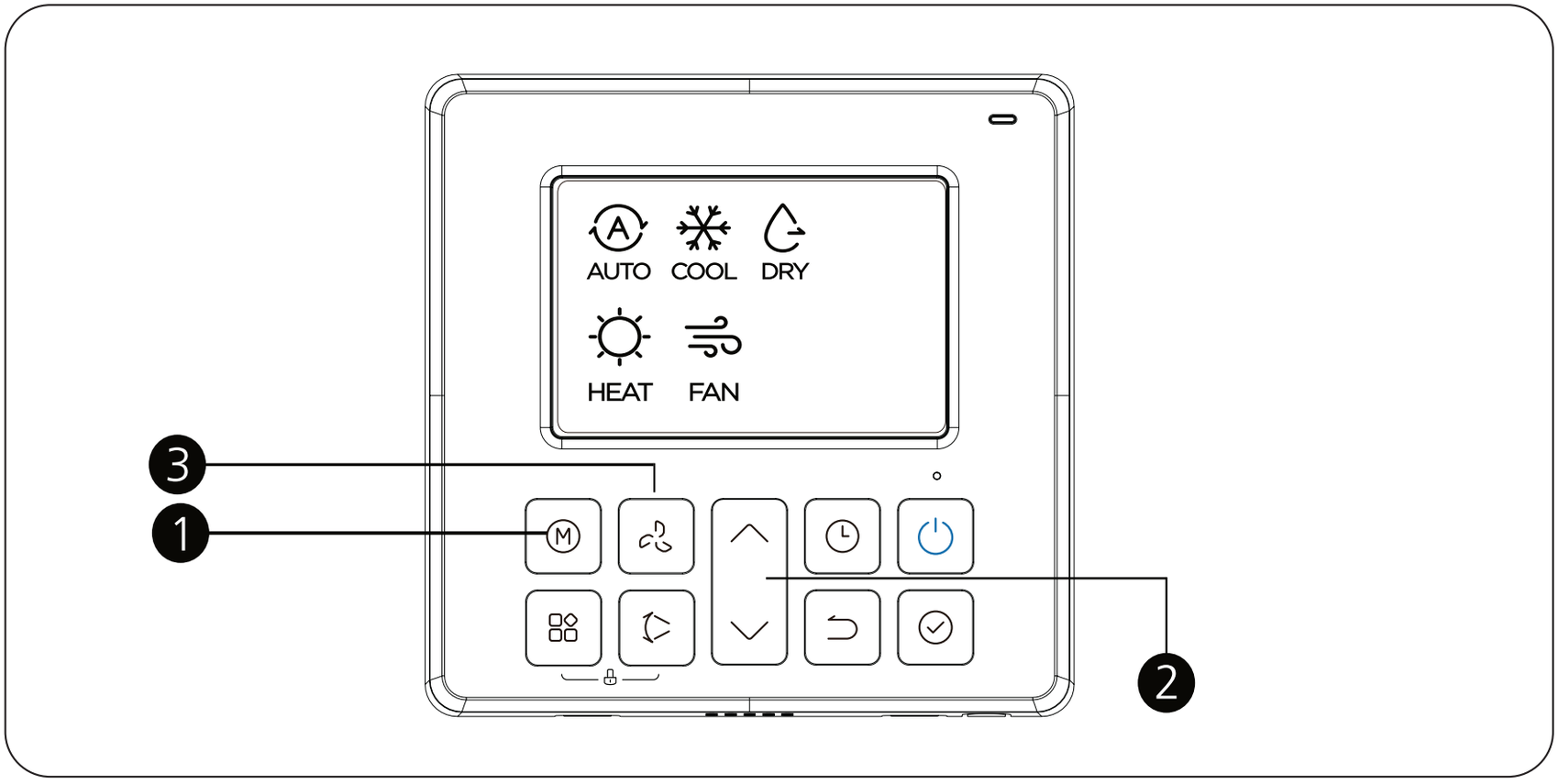
NOTE:
In AUTO mode, fan speed is set automatically and cannot be changed.



COOL / HEAT / FAN function.

1. Press the MODE button to select COOL, HEAT or FAN mode.
2. Press the UP (▲) in DOWN (▼) buttons to set the desired temperature.
3. Press the FAN SPEED button to select the speed of the fan.

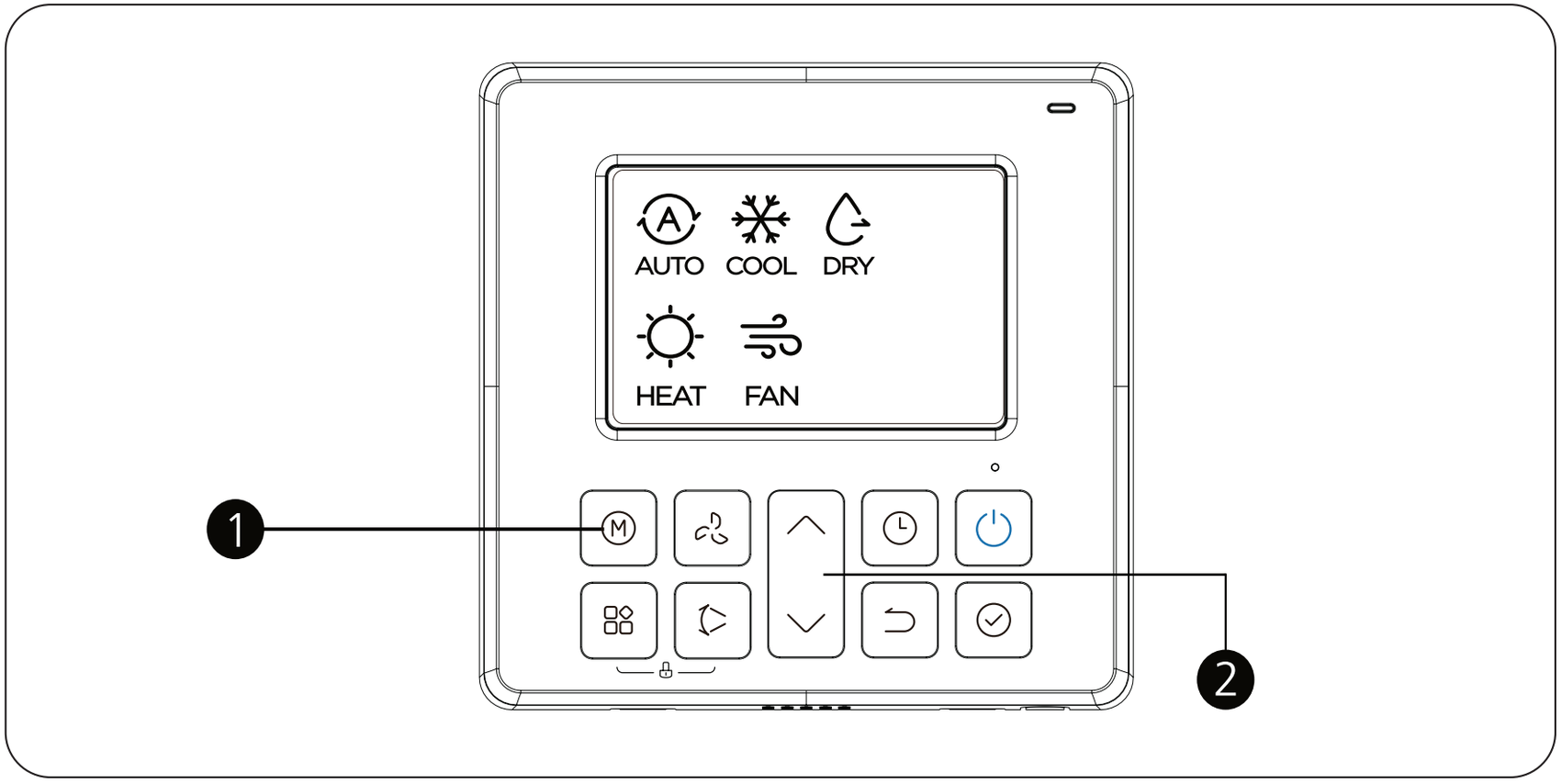
NOTE:
The temperature cannot be adjusted in FAN mode.



DRY function.

1. Press the MODE button to select DRY mode.
2. Press the UP (▲) in DOWN (▼) buttons to set the desired temperature.

NOTE:
FAN SPEED cannot be used in DRY mode.

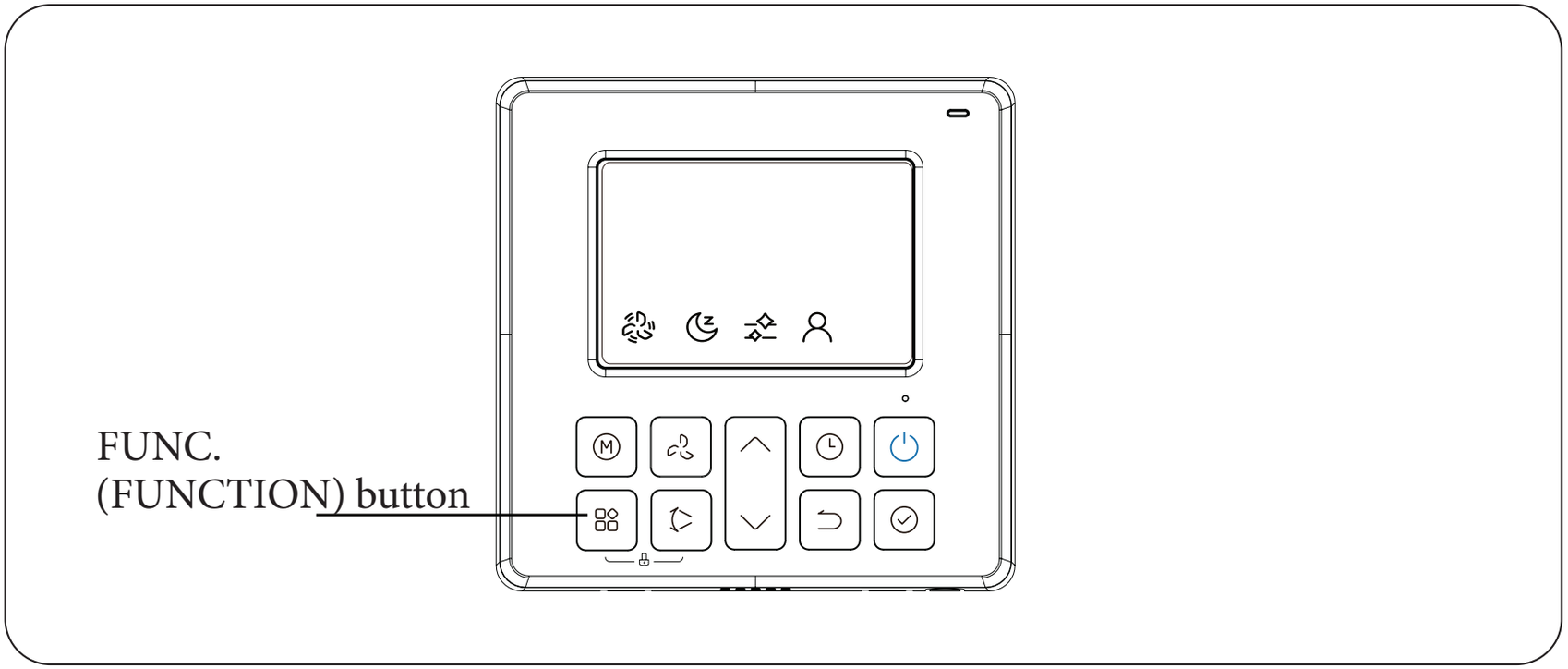


FOLLOW ME function.

The FOLLOW ME function allows the remote control to measure the temperature in its current position (where it is installed) and to send the signal to the air conditioner every 3 minutes.
When using AUTO, COOL or HEAT mode, the room temperature is measured by the remote control (instead of by the indoor unit itself) allowing the air conditioner to optimise the temperature around you and to guarantee maximum comfort.
This function is not available for DRY and FAN modes.
By default, the FOLLOW ME function is already enabled on the remote control. Should it be disabled, follow the procedure below to enable it.

1. Press the FUNC. key, scroll the functions and select the flashing icon and then confirm.

5. To disable it, press the FUNC. key, scroll the functions and select the flashing icon and then confirm.



TURBO function.

When you select the TURBO function in COOL mode, the unit will release cold air increasing the frequency of the compressor and the speed of the internal fan to quickly start the cooling process.

When you select the TURBO function in SHEET mode, the unit will release warm air increasing the frequency of the compressor and the speed of the internal fan to quickly start the heating process.

Follow the procedure below to enable it:

1. Press the FUNC. key, scroll the functions and select the flashing icon and then confirm.
2. To disable it, press the key and adjust ventilation as you like.

SLEEP function ( ).

The SLEEP function is used to reduce energy consumption while sleeping (and the same temperature settings are not required).
The SLEEP function is not available in FAN and DRY modes.

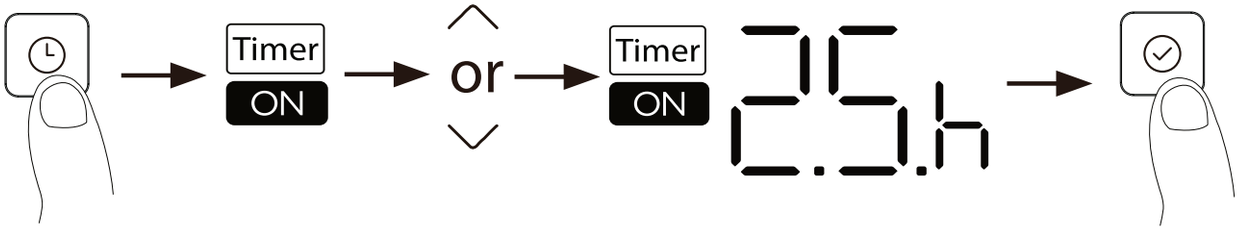
TIMER ON function.

The TIMER ON function allows you to set the time at which the device switches on after a specific period of time.

1. Press the key once to start the TIMER ON.
2. Press the key several times to set the air conditioner switch on delay.
3. Press the key to confirm.

Press to disable the timer and set the time at 0, or to switch the remote control off and back on.

Example: air conditioner switch on setting after 2.5 hours:



NOTE:
Number 2.5h indicates the amount of time starting from the current hour at which the air conditioner will switch on.

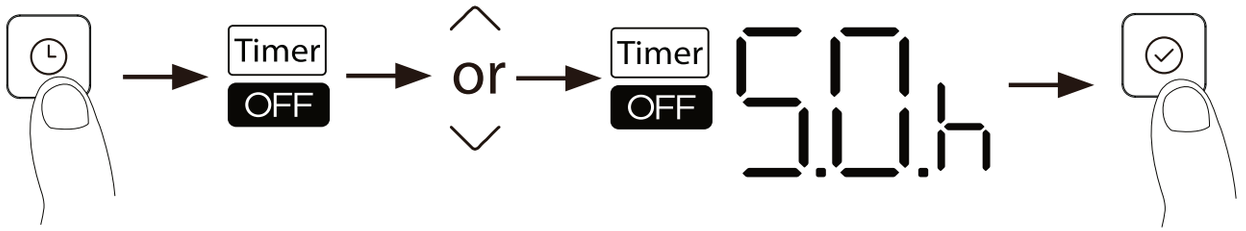
TIMER OFF function.

The TIMER OFF function allows you to set a period of time after which the air conditioner switches off automatically.

1. Press the key twice to start the TIMER OFF.
2. Press the key several times to set the air conditioner switch off delay.
3. Press the key to confirm.

Press to disable the timer and set the time at 0, or to switch the remote control off and back on.

Example: air conditioner switch off setting after 5 hours:

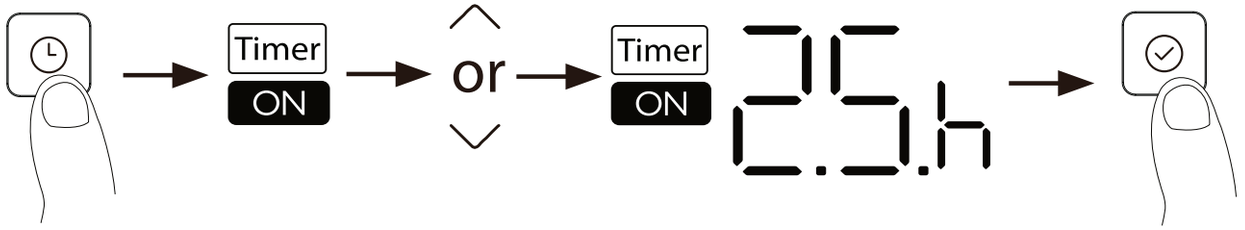


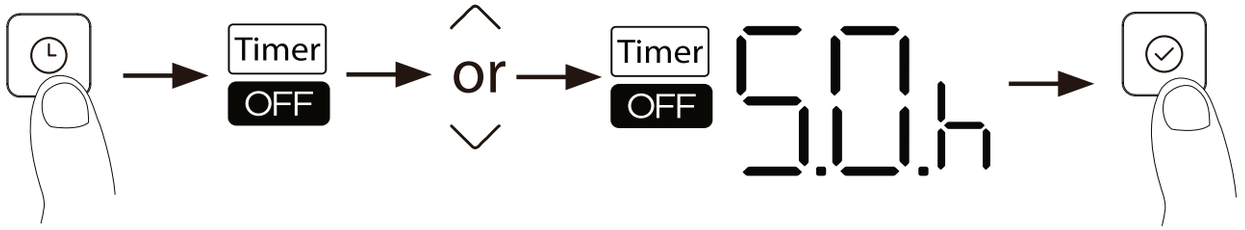
NOTE:
Number 5h indicates the amount of time starting from the current hour at which the air conditioner will switch off.

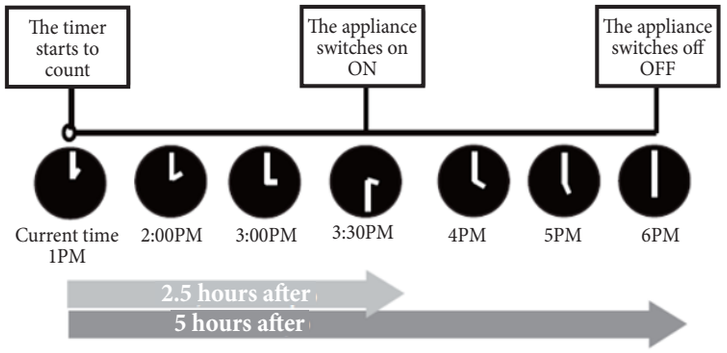
While setting TIMER ON or TIMER OFF, every time the key is pressed automatically postpones the starting time by 30 minutes, up to a maximum of 10 hours. Beyond 10 hours, and up to 24 hours, the time is postponed by 60 minutes at every press. (For example, pressing the key 5 times sets the time at 2.5 hours, pressing 10 times at 5 hours).

TIMER ON - TIMER OFF function (example).

Remember that the time periods set for both timer functions refer to the hours following the current hour.

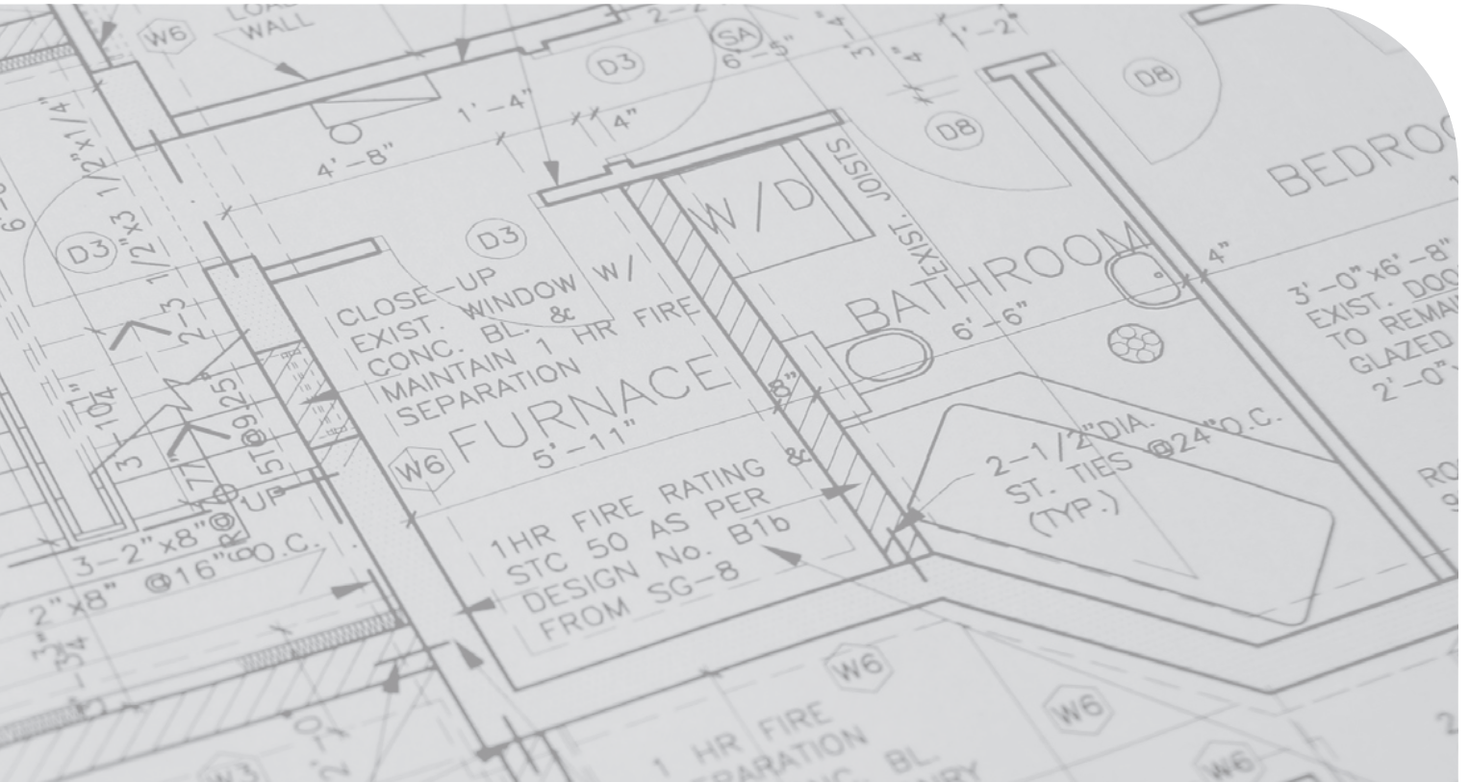






For example, if the current timer reads 1PM with the above settings, the unit will switch on in 2.5 hours (3:30PM) and will switch off at 6PM.

Immergas S.p.a.
42041 Brescello (RE) - Italy
Tel. 0522.689011
immergas.com

Cod. 1.049326ENG - ST.007776/004 - 02/26

This instruction booklet is made of ecological paper