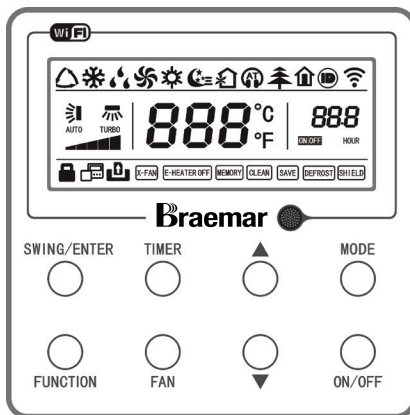


# OWNER'S MANUAL

## WIRED CONTROLLER XE73-44E



(English)(NDHV SERIES)

## IMPORTANT

As with any product that has moving parts or is subject to wear and tear, it is **VERY IMPORTANT** that you maintain your air conditioner and have it regularly serviced. Accordingly, it is a condition of warranty cover for your air conditioner that you comply with all of the maintenance and service requirements set out in this manual. Compliance with these requirements will prolong the life of your air conditioner. Furthermore, it is also a condition of warranty cover that the Maintenance Schedule in the manual is filled out (by signing and dating it in the places indicated) when the item is completed.

**ANY FAILURE TO CARRY OUT THE REQUIRED MAINTENANCE AND SERVICING, AND ANY FAILURE TO FILL OUT THE MAINTENANCE SCHEDULE, WILL VERY LIKELY VOID YOUR WARRANTY.**

(For complete warranty terms, refer to the separate Warranty Booklet sold with the product. Alternatively, visit <https://www.seeleyinternational.com/warranty/> to download the terms. Warranty terms are subject to property access and industry safety standards.)

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# INTRODUCTION AND SAFETY

Congratulations on purchasing a new Braemar Air Conditioner!

Please keep this Manual and the Warranty Booklet in a safe place, along with the original purchase documents, plus all relevant certificates of compliance relating to the installation work performed. Please register the Warranty straight away, by following the steps set out in the Warranty Booklet.

The installer must read the Installation Manual before installing the Braemar Air Conditioning Unit. The home owner/user should read the Owner's Manual before operating the Unit.

To ensure the warranty on the Unit is continued and valid, the Unit must be checked and serviced by the home owner/user as per the requirements in the Maintenance & Service section and the Maintenance Schedule. This will also prolong the life of your air conditioner.

The home owner/user should regularly check the Air Inlet side of the Outdoor unit to ensure grass, leaf and other matter are not drawn into or onto the inlet side of the Outdoor unit. Restriction to the airflow across the coil will reduce the system's capacity, and result in high operation pressures and excessive operating costs.

A return air filter **MUST** be installed by the installer at the return air grille. The air filter should be inspected and cleaned at least every two weeks when the Braemar Air Conditioning Unit is used.

**NOTE:** The manufacturer recommends that low level return air grilles are installed.

## **IMPORTANT!**

THE AUSTRALIAN GREENHOUSE OFFICE HAS ISSUED VARIOUS REGULATIONS ON THE USE AND DISPOSAL OF REFRIGERANTS IN THE UNIT. FAILURE TO FOLLOW THESE REGULATIONS MAY HARM THE ENVIRONMENT AND COULD LEAD TO THE IMPOSITION OF SUBSTANTIAL FINES.

WHERE SPECIFIED, ONLY QUALIFIED AND LICENSED TECHNICIANS SHOULD PERFORM WORK ON THIS UNIT, FAILING WHICH THE WARRANTY ON THE UNIT WILL BE VOID.

**WARNING!** This 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 should be supervised to ensure that they do not play with the appliance.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

# CONTROLLER LAYOUT

Your Braemar Air Conditioner has been designed and built with reliable, quality components. To ensure many years of trouble free, dependable service please read the following pages very carefully, and please ensure that you follow all of the instructions.

## WIRED CONTROLLER

Please follow the below cautionary notes when using the wired controller:-

1. Do not install the wired controller in a damp place or under direct sunlight.
2. Do not abuse, toss, or frequently assemble/disassemble the wired controller.
3. Do not operate the wired controller with wet hands and never let any liquid flow into it.
4. Do not install or remove the wired controller by yourself. If necessary, please contact a service agent.
5. This wired controller is applicable to various kinds of air conditioners - some specific functions unavailable to the duct type air conditioners will be covered in this manual.
6. Before operating the air conditioner, please read this manual carefully and keep it in a safe place for future reference.

## SYMBOLS ON LCD

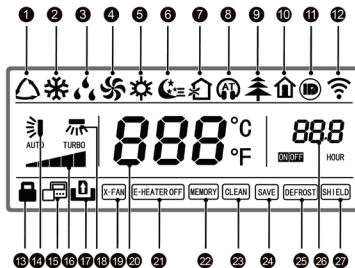


Fig. 01: LCD of the wired controller

No.	Display	Instruction of Display
1	Auto	Automatic mode (under auto mode, the indoor unit will select its operating mode according to the variation of room temperature)
2	Cool	Cooling mode
3	Dry	Dry mode
4	Fan	Fan mode
5	Heat	Heating mode
6	Sleep	Display when sleep function is set
7	Fresh air	Display when fresh air function is set
8	Quiet	Display when quiet function is set
9	Health	Display when health function is set
10	Absent	Display when absent function is set
11	I-DEMAND	Display when I-DEMAND function is set
12	WiFi	Display when WiFi function is set
13	Child-lock	Child-lock status, display when child-lock function is set
14	Up & down swing	Display when up and down swing function is set
15	Secondary wired controller	Icon of secondary wired controller, it will display when secondary wired controller is set (this function is unavailable for this unit.)
16	Fan speed	The fan speed set currently (including auto, low, medium low, medium, medium high, high, and turbo)
17	No card	No card in gate control system
18	Left & right swing	Display when left and right swing function is set
19	X-fan	Display when X-fan function is set
20	Temperature	It will display the setting temperature
21	E-heater	On/off switch of auxiliary heating
22	Memory	Memory status (After power failure and re-energizing the unit, it will resume to ON/OFF status of unit before the power failure)
23	Clean	Filter washing reminder (this function is unavailable for this unit)
24	Save	Display when energy-saving function is set
25	Defrost	Defrosting status
26	Timer	Display when timer status is set
27	Shield	Shielding status

Table 01: Description of symbols

# CONTROLLER LAYOUT cont.

## BUTTONS ON THE WIRED CONTROLLER

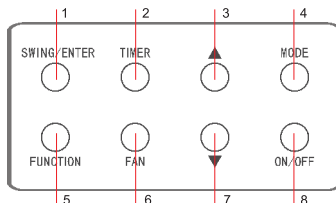


Fig. 02

No.	Name	Function
1	SWING/ENTER	① Function selection and cancellation. ② Setting of the up and down swing function.
3	▲	① Running temperature setting of the indoor unit, range:16~30°C(61~86°F). ② Timer setting, range:0.5-24 hr.
7	▼	
6	FAN	Setting of the auto/low/medium low/medium/medium high/ high fan speed.
4	MODE	Setting of the Cooling/Heating/Fan/Dry/Auto mode of the indoor unit.
5	FUNCTION	Switchover among the functions of Turbo/WiFi/E-heater/X-fan etc..
2	TIMER	Timer setting.
8	ON/OFF	Turn on/off the indoor unit.
3+4	▲+MODE	Press them for 5s under off state of the unit to Enter/Cancel the Memory function. If memory is set, indoor unit after power failure and then power recovery will resume the original setting state. If not, the indoor unit is defaulted to be off after power recovery. Memory off is default before delivery.
6+7	FAN+▼	By pressing them at the same time under off state of the unit, ❄ will be displayed on the wired controller for the cooling only unit, while ❄ will be displayed on the wired controller for the cooling and heating unit.
3+7	▲+▼	Upon startup of the unit without malfunction or under off state of the unit,press them at the same time for 5s to enter the lock state, in which case, any other buttons won't respond the press. Repress them for 5s to quit this state.

Table 02.1



No.	Name	Function
4+7	MODE+▼	Under OFF state, the Celsius and Fahrenheit scales can be switched by pressing "MODE" and "▼" for 5s.
2+5	TIMER+FUNCTION	Under OFF state, it is available to go to the commissioning status by pressing "FUNCTION" and "TIMER" for five seconds, and let "00" displayed on the temperature display area by pressing "MODE", then adjust the options which is shown on the timer area by pressing "▲" and "▼". There are totally four options, as follows: ① Indoor ambient temperature is sensed by the return air temperature sensor ( 01 displayed on the timer area). ② Indoor ambient temperature is sensed by the wired controller (02 displayed on the timer area). ③ The return air temperature sensor is selected under the cooling, dry, or fan mode; while the wired controller temperature sensor is selected under the heating or auto mode. (03 is displayed on the timer area). ④ The wired controller temperature sensor is selected under the cooling, dry, or fan mode; while the return air temperature sensor is selected under the heating mode. (04 is displayed on the timer display area).
2+5	TIMER+FUNCTION	Under OFF state, it is available to go to the commissioning status by pressing "FUNCTION" and "TIMER" for five seconds. Press "MODE" button to until "01" icon is shown at the temperature display area. The setting status will be shown at timer area. Press "▲" and "▼" button to adjust and two options are available: ① Three low levels (01) ; ② Three high levels (02).
5+6	FUNCTION + FAN	Reset the WiFi function: Under off status, press "FUNCTION" + "FAN" combination buttons on its wired controller for 5s. Once "°C" is displayed, this indicates that reset was successful.

Table 02.2

# OPERATION

## ON/OFF

Press ON/OFF to turn on the unit and turn it off by another press.

Note: The state shown in Fig. 03 indicates the “OFF” state of the unit after power on. The state shown in Fig. 04 indicates the “ON” state of the unit after power on.

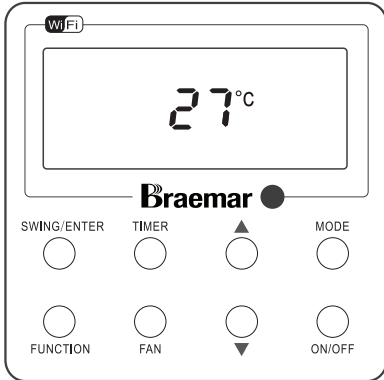


Fig. 03: “OFF” State

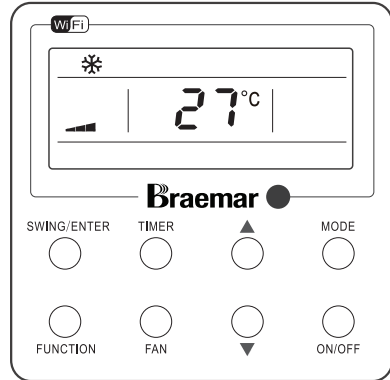


Fig. 04: “ON” State

## MODE SETTING

Under the “ON” state of the unit, press MODE to switch the operation modes as the following sequence: Auto-Cooling-Dry-Fan-Heating.

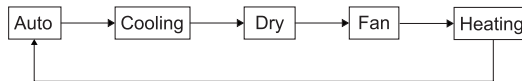


Fig. 05

## OPERATION cont.

### TEMPERATURE SETTING

Press ▲ or ▼ to increase/decrease the preset temperature. If either of them are pressed continuously, the temperature will be increased or decreased by 1°C (1°F) every 0.5s, as shown in Fig.06.

In the Cooling, Dry, Fan or Heating mode, the temperature setting range is 16°C~30°C (61°F~86°F).

In the Auto mode, the setting temperature is not adjustable.

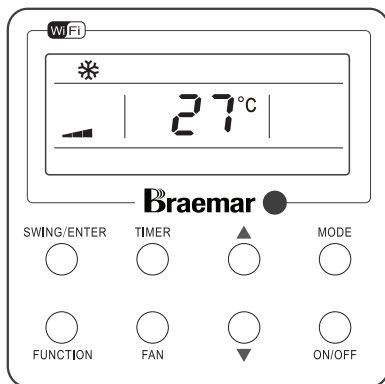


Fig. 06

# OPERATION cont.

## FAN SETTING

Under the “ON” state of the unit, press the “Fan” button to vary the speeds as shown in the sequence below.

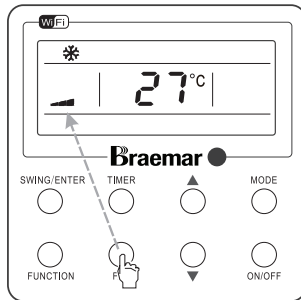
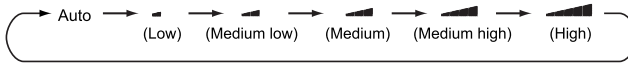


Fig. 07

## TIMER SETTING

Under the “ON”/“OFF” state of the unit, press Timer to set timer off/on.

**Timer “ON” setting:** Use to set when to start the unit. When the unit is OFF, press the Timer button. xx.x HOUR is displayed with HOUR blinking. Press ▲/▼ to adjust the timer, then press SWING/ENTER to confirm.

**Timer “OFF” setting:** Use to set when to stop the unit. When the unit is ON, press the Timer button. xx.x HOUR is displayed with HOUR blinking. Press ▲/▼ to adjust the timer, then press SWING/ENTER to confirm.

Timer range is 0.5-24hr, holding down the ▲/▼ will change the setting continuously.

Pressing the Timer button when the Timer ON/OFF has already been set will cancel the Timer setting.

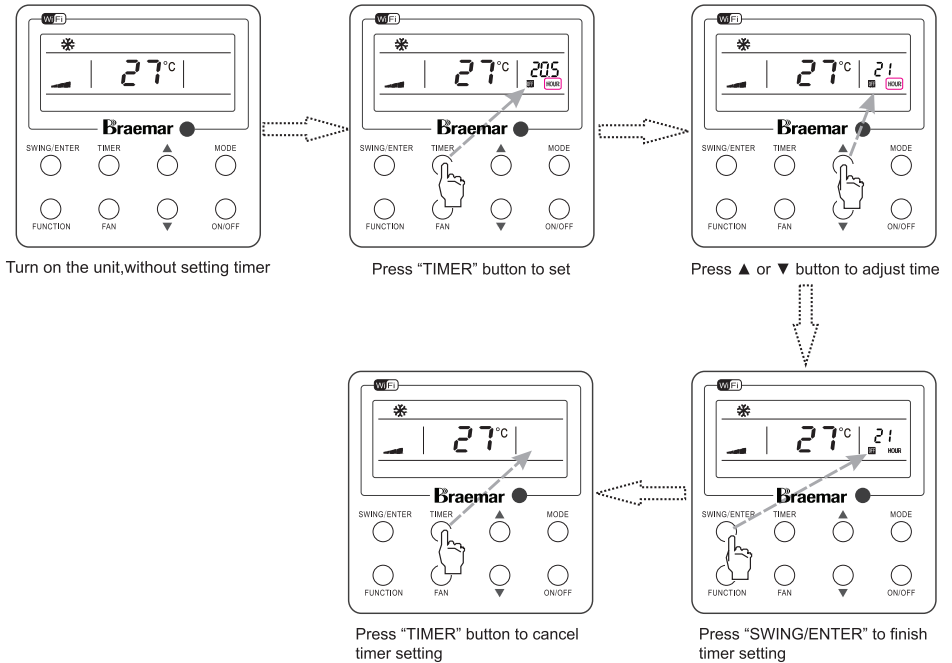


Fig. 08: Timer off setting under the "ON" State of the unit

## OPERATION cont.

### UP & DOWN SWING SETTING

There are two ways for up and down swing mode: Simple swing and Fixed swing.

Simple Swing: if selected, the vanes will oscillate up and down continuously.

Fixed Swing: if selected, you can set a range of different swing settings.


Under off status, press “SWING/ENTER” button and “▲” button simultaneously for 5 seconds, then switch for simple swing and fixed swing is done.


When it is set to be simple swing, under on status, press “SWING/ENTER” button and the mode is activated. Pressing the button again will cause the mode to be turned off.

When it is set to be fixed swing, press “SWING/ENTER” button, the unit will circularly switch the swing mode according to the order shown below:

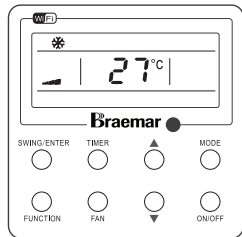


### LEFT & RIGHT SWING SETTING

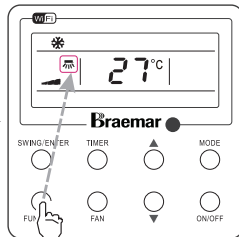
Swing On: Press FUNCTION under on state of the unit to activate the swing function. In this case,  will blink. Next, press SWING/ENTER to make a confirmation.

Swing Off: When the Swing function is on, press FUNCTION to enter the Swing setting interface, with  blinking. Next, press SWING/ENTER to cancel this function.

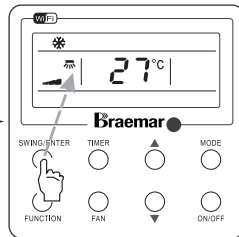
Swing setting is as shown in Fig.09.



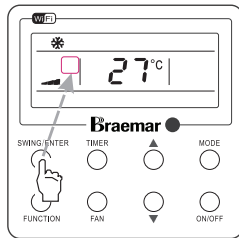
Turn on the unit, without turning on swing function



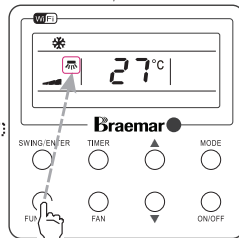
Press "FUNCTION" button into swing state



Press "SWING/ENTER" button to confirm



Press "SWING/ENTER" button to cancel swing



Press "FUNCTION" button into swing state

Fig. 09: Swing setting


**Note:**

1. Sleep, Turbo or X-fan setting is the same as the Swing setting.
2. After the setting has been done, it has to press the key "SWING/ENTER" to back to the setting status or quit automatically five seconds later.


# OPERATION cont.

## FRESH AIR VALVE FUNCTION SETTING

Turn on fresh air valve function:

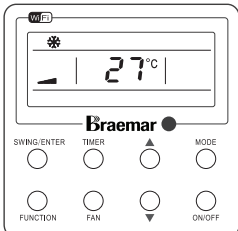
Under unit on status, press FUNCTION button on the panel to select “Fresh air valve” function option. When  icon flashes, it enters fresh air valve setting mode. Previous temperature display position will display the level of fresh air valve. Press ▲ or ▼ button to adjust the level of fresh air valve within the range from 1 to 10. Then press SWING/ENTER button to activate this function.

Turn off fresh air valve function:

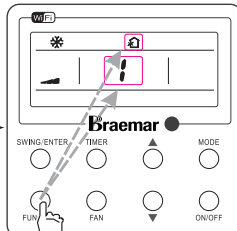
If fresh air valve function has been set, press FUNCTION button on the panel to select “Fresh air valve” function option. When  icon flashes, if you press SWING/ENTER button without pressing ▲ or ▼ button, fresh air valve function will be cancelled; if you press SWING/ENTER button after pressing ▲ or ▼ button, fresh air valve function will be activated.

Note: if you press panel button to set fresh air valve function on, ventilation (ventilation 1) function will be activated too; if you press panel button to set fresh air valve function off, ventilation function will be cancelled too.

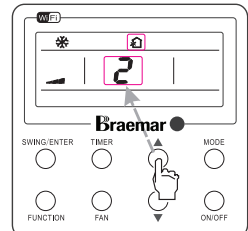




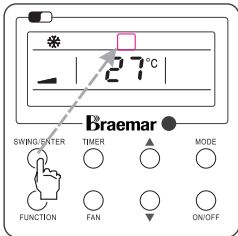
Turn on the unit with the "Fresh Air" function deactivated



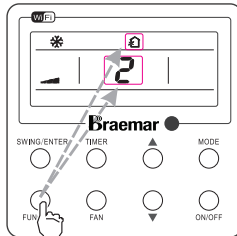
Press "FUNCTION" button to select the "Fresh Air" function option



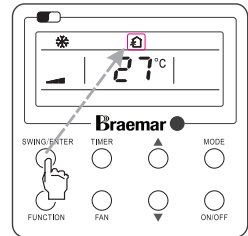
Press ▲ or ▼ to adjust the "Fresh Air" type



Press "SWING/ENTER" button to deactivate the "Fresh Air" function



Press "FUNCTION" button to select the "Fresh Air" function option



Press "SWING/ENTER" button to activate the "Fresh Air" function

Fig. 10: Fresh Air Function Setting

# OPERATION cont.

## SLEEP SETTING

Sleep on: Press FUNCTION under on state of the unit till the unit enters the Sleep setting interface. Press SWING/ENTER to confirm the setting.

Sleep off: When the Sleep function is activated, press FUNCTION to enter the Sleep setting interface. Next, press SWING/ENTER to can this function.

Sleep setting is shown as Fig.11.

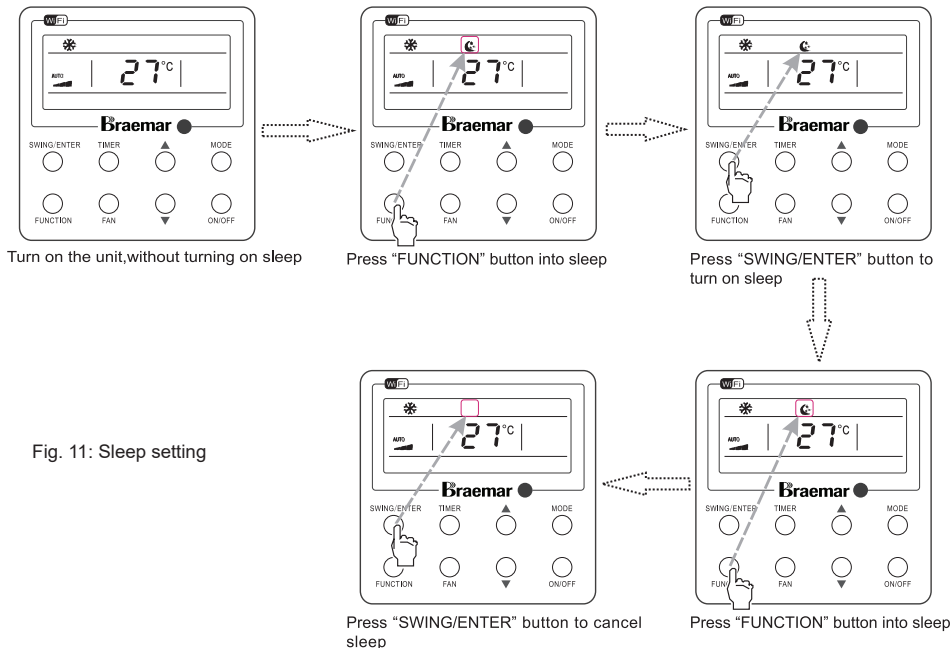


Fig. 11: Sleep setting

## TURBO SETTING

Turbo function: The unit at the high fan speed can realize quick cooling or heating so that the room temperature can quickly approach the setting value.

In the Cooling or Heating mode, press FUNCTION till the unit enters the Turbo setting interface and then press SWING/ENTER to confirm the setting.

When the Turbo function is activated, press FUNCTION to enter the Turbo setting interface and then press SWING/ENTER to cancel this function.

Turbo function setting is as shown in Fig.12.

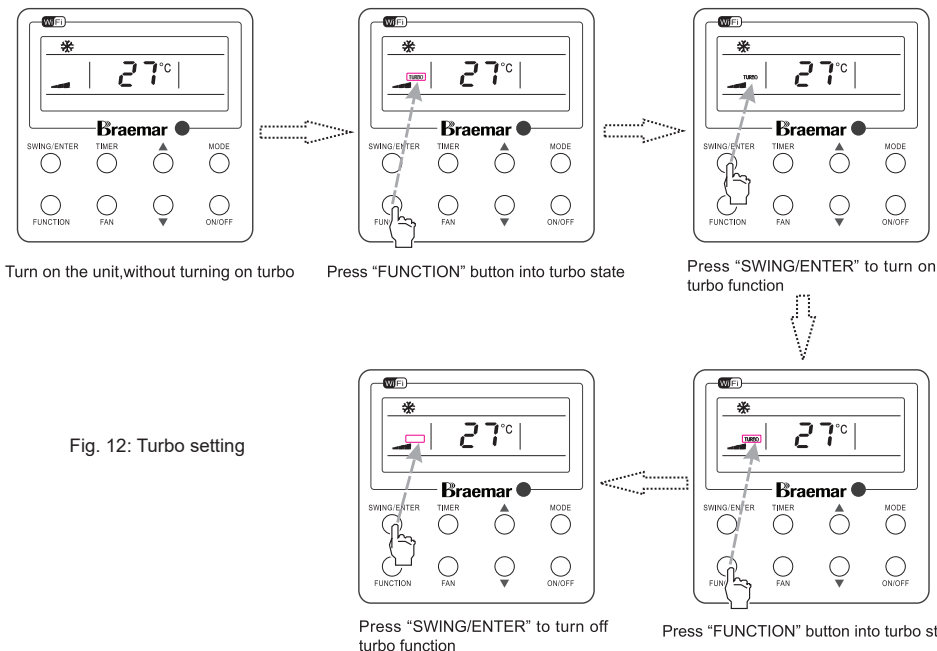


Fig. 12: Turbo setting

# OPERATION cont.

## ENERGY SAVING FUNCTION SETTING

### Turn on energy saving function:

1. Energy Saving Setting for Cooling


When the unit runs under the COOL or DRY mode, press FUNCTION button to select “SAVE” function option, with “SAVE” flashing, and then press ▲ or ▼ to adjust the lower limit, next, press the SWING/ENTER button to activate this function.

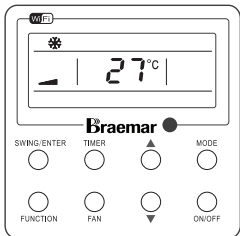
2. Energy Saving Setting for Heating

When the unit runs under the HEAT mode, press FUNCTION button to select “SAVE” function option, with “SAVE” flashing, and then press ▲ or ▼ to adjust the upper limit, next, press SWING/ENTER button to activate this function.

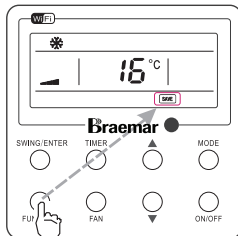
Note: Under energy saving setting mode, press “MODE” button to switch the energy saving setting for COOL or HEAT mode.

### Cancel energy saving function:

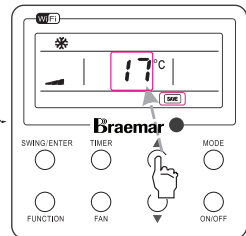
If energy saving function has been set, press FUNCTION button on the panel to select “SAVE” function option. When  icon flashes, if you press SWING/ENTER button without pressing ▲ or ▼ button, energy saving function will be cancelled; if you press SWING/ENTER button after pressing ▲ or ▼ button, energy saving function will be activated.



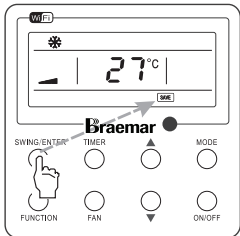
Turn on the unit with the "SAVE" function deactivated



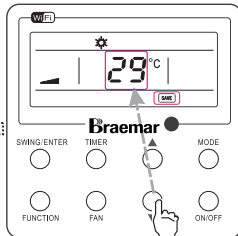
Press "FUNCTION" button to select the "SAVE" function option



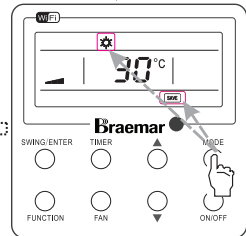
Press ▲ or ▼ to adjust the lower limit



Press "SWING/ENTER" button to activate the "SAVE" function



Press ▲ or ▼ to adjust the upper limit



Press "MODE" button to switch to the "SAVE" setting for heating

Fig. 13 Energy Saving Function Setting

# OPERATION cont.

## E-HEATER SETTING

E-heater (auxiliary electric heating function): In the Heating mode, E-heater is allowed to be turned on for improvement of capacity.

Once the wired controller or the remote controller enters the Heating mode, this function will be turned on automatically.

Press FUNCTION in the Heating mode to enter the E-heater setting interface and then press SWING/ENTER to cancel this function.

Press FUNCTION to enter the E-heater setting interface, if the E-heater function is not activated, and then press SWING/ENTER to turn it on.

The setting of this function is shown as Fig.14 below:

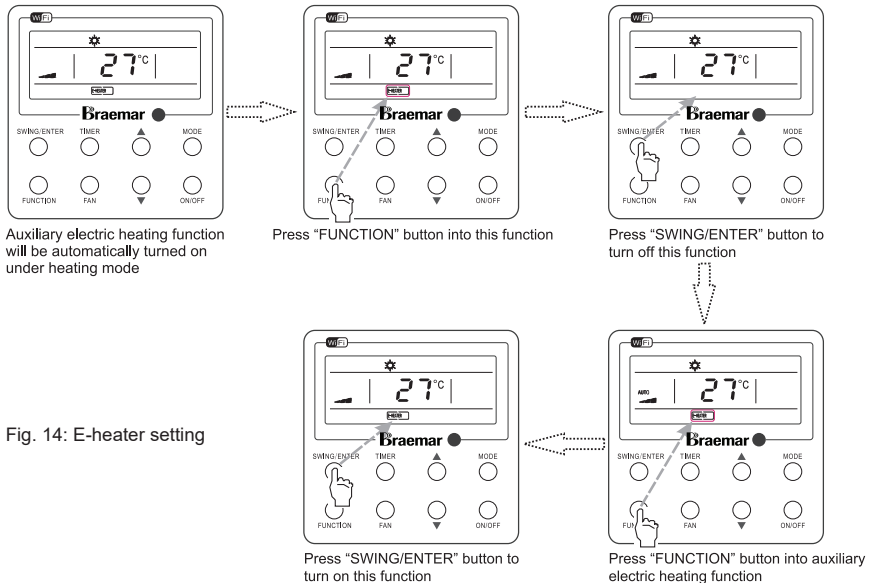


Fig. 14: E-heater setting

## X-FAN SETTING

X-fan function: After the unit is turned off, the water in evaporator of indoor unit will be automatically evaporated to avoid mildew.

In the Cooling or Dry mode, press FUNCTION till the unit enters the X-fan setting interface and then press SWING/ENTER to activate this function.

When the X-fan function is activated, press FUNCTION to the X-fan setting interface and then press SWING/ENTER to cancel this function.

X-fan function setting is as shown in Fig.15

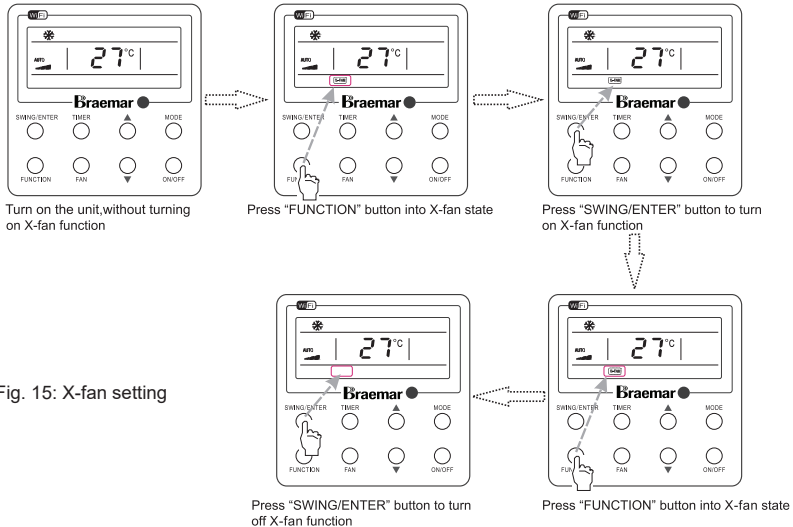


Fig. 15: X-fan setting

Note: (1) When the X-fan function is activated, if turning off the unit by pressing ON/OFF or by the remote controller, the indoor fan will run at the low fan speed for 2 min, with "X-FAN" displayed on the LCD. While, if the X-fan function is deactivated, the indoor fan will be turned off directly.

(2) X-fan function is unavailable in the Fan or Heating mode.

# OPERATION cont.

## QUIET FUNCTION SETTING

### Turn on quiet function:

Under unit on status, press FUNCTION button on the panel to select "Quiet" function option. When "Quiet" or "Auto quiet" flashes, it enters quiet function setting mode. Press ▲ or ▼ button to switch between "Quiet" and "Auto quiet" function. Then press SWING/ENTER button to activate this function.

### Cancel quiet function:

If quiet function has been set, press FUNCTION button on the panel to select "Quiet" function option. When "Quiet" or "Auto quiet" flashes, if you press SWING/ENTER button without pressing ▲ or ▼ button, quiet function will be cancelled; if you press SWING/ENTER button after pressing ▲ or ▼ button, quiet function will be activated.

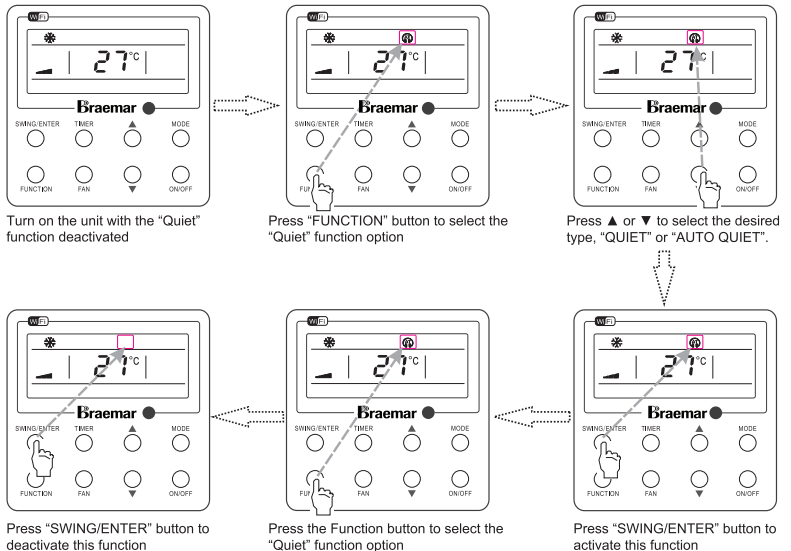


Fig. 16: Quiet function



## HEALTH SETTING

Health on: Press FUNCTION under on state of the unit till the unit enters the Health setting interface.  
Press SWING/ENTER to confirm the setting.

Health off: When the Health function is activated, press FUNCTION to enter the Health setting interface.  
Next, press SWING/ENTER to cancel this function.

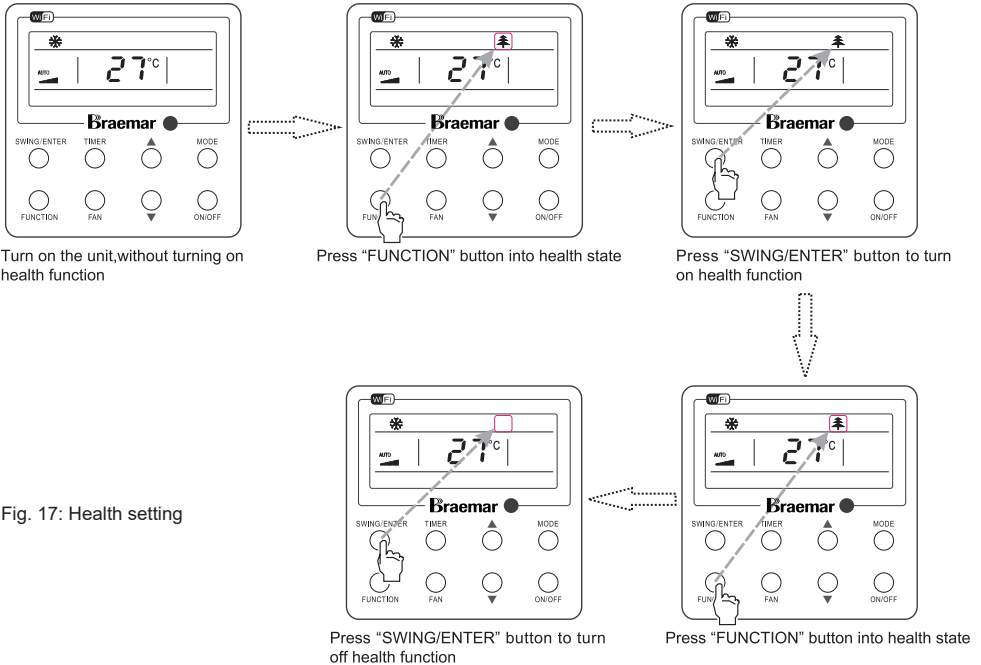


Fig. 17: Health setting

# OPERATION cont.

## ABSENT SETTING

Absent on: Press FUNCTION under on state of the unit till the unit enters the Absent setting interface. Press SWING/ENTER to confirm the setting.

Absent off: When the Absent function is activated, press FUNCTION to enter the Absent setting interface. After that, press SWING/ENTER to cancel this function.

1. This function is only available in heating mode.
2. When this function has been set, set temperature is displayed in 8°C(46°F). In this case, temperature setting and fan speed setting are shielded.
3. This function will be cancelled when switching modes.
4. This function and sleep function cannot be on simultaneously. If Absent function is set firstly and then sleep/quiet function is set, Absent function will be cancelled while sleep function will be valid, and vice versa.

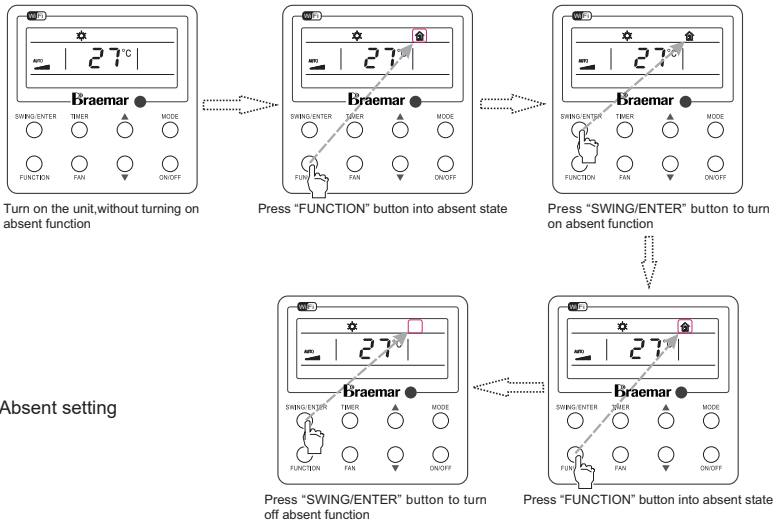


Fig. 18: Absent setting

## **I-DEMAND SETTING**

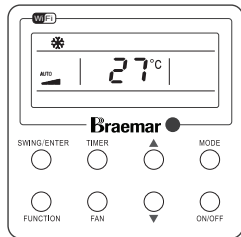
I-Demand on: Press FUNCTION under on state of the unit till the unit enters the I-Demand setting interface. Press SWING/ENTER to confirm the setting.

I-Demand off: When the I-Demand function is activated, press FUNCTION to enter the I-Demand setting interface. After that, press SWING/ENTER to cancel this function.

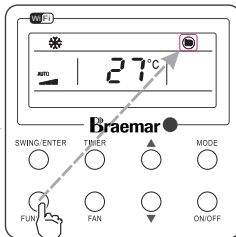
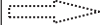
### **Note:**

1. This function is only available in cooling mode.
2. When this function has been set, set temperature is displayed in SE. In this case, temperature setting and fan speed setting are shielded.
3. This function will be cancelled when switching modes.
4. This function and sleep function cannot be on simultaneously. If I-demand function is set firstly and then sleep/quiet function is set, I-demand function will be cancelled while sleep function will be valid, and vice versa.

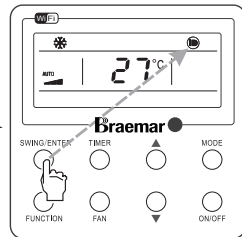
## OPERATION cont.



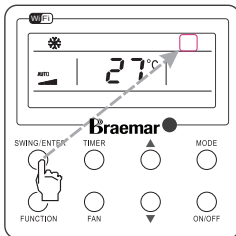
Turn on the unit, without turning on I-demand function



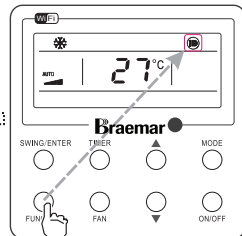
Press "FUNCTION" button into I-demand state



Press "SWING/ENTER" button to turn on I-demand function



Press "SWING/ENTER" button to turn off I-demand function



Press "FUNCTION" button into I-demand state

Fig. 19: i-Demand setting

## WiFi FUNCTION SETTING

### OPERATING SYSTEMS

Requirements for User's smart phone:



iOS system  
Support iOS7.0 and  
above version



Android system  
Support Android 4.0 and  
above version



App Download Linkage

### DOWNLOAD AND INSTALLATION

Scan the QR code or search 'EWPE smart' from the application market to download and install it. When "EWPE Smart" app is installed, register the account and add the device to achieve long distance control and LAN control of smart home devices. For more information, please refer to "Help" in the App.

APP can only set some common functions of WiFi wired controller: ON/OFF, mode, set temperature, FAN speed, etc.

When using the APP for the first time, please reset the WiFi function of wired controller (reset WiFi to ex-factory setting): Under off status, press "FUNCTION" + "FAN" combination buttons on its wired controller for 5s. Once "oC" is displayed, this indicates that reset was successful.

If there is a communication failure for WiFi, after resetting WiFi, the temperature display area of wired controller displays "JF" for 5 seconds, which indicates that the current reset is invalid.

Press FUNCTION under on state of the unit till the unit enters the WiFi setting interface, the temperature area will display the WiFi status. Press "▲" or "▼" button to turn on WiFi ("ON" is displayed) or turn off WiFi ("OFF" is displayed), and then press "SWING/ENTER" button to confirm it.

# OPERATION cont.

## DRED FUNCTION SETTING

When outdoor unit enters DRED mode: when it detects DRED signal, the whole unit executes DRED mode. When it enters DRED mode, the outdoor unit does timekeeping and feeds back the signal to indoor unit. Under power-on state, the set temperature area displays corresponding code, DRED1, DRED2, DRED3 correspond to “d1”, “d2”, “d3”. The panel cannot be used to set the DRED mode.

When indoor unit enters DRED mode: under power-on state, use “Function” button on the panel to switch to “DRED” function. The set temperature area will display DRED state and flicker. Through “ ” and “ ” buttons can select DRED2 (set temperature area displays d2), DRED3 (set temperature area displays d3), or turn off DRED (set temperature area displays “--”); press “SWING/ENTER” button to confirm the selection, it will display the set state for 3 seconds. After entering the setting, if there is no button operation for 5 seconds, it will quit the interface without saving the setting.

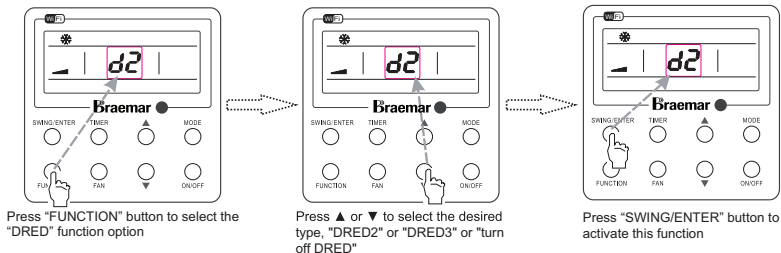


Fig. 20

Note:

- DRED mode startup method is set by indoor units.
- When outdoor unit enters DRED mode: it does not receive the DRED control of remote control, the whole unit will run the DRED mode, and the wired controller displays the state only.
- When indoor unit enters DRED mode:
  - (1). When the wired controller receives the DRED command sent from remote control, the set temperature area displays d2 or d3, and it will display for 3 seconds.
  - (2). Under power-off or air supply mode, the DRED mode is turned off.

## OTHER FUNCTIONS

### 1. LOCK

Upon startup of the unit without malfunction or under the “OFF” state of the unit, press ▲ and ▼ at the same time for 5s till the wired controller enters the Lock function. In this case, LCD displays .

Next, re-press these two buttons at the same time for 5s to quit this function.

Under the Lock state, any other button press won't get any response.

### 2. MEMORY

**Memory switchover:** Under the “OFF” state of the unit, press Mode and ▲ at the same time for 5s to switch memory states between memory on and memory off. When this function is activated, Memory will be displayed. If this function is not set, the unit will be under the “OFF” state after power failure and then power recovery.

**Memory recovery:** If this function has been set for the wired controller, the wired controller after power failure will resume its original running state upon power recovery. Memory contents: ON/OFF, Mode, set temperature, set fan speed and Lock function.

### 3. SELECTION OF THE TEMPERATURE SENSOR

Under OFF state of the unit, press both “FUNCTION” and “TIMER” for five seconds to go the commissioning status. Under this status, adjust the display in the temperature display area to “00” through the button “MODE”, and then adjust the option of the temperature sensor in the timer display area through the button ▲ or ▼.

- i. Indoor ambient temperature is sensed at the return air inlet(01 in the timer display area).
- ii. Indoor ambient temperature is the sensed at the wired controller(02 in the timer display area).
- iii. Select the temperature sensor at the return air inlet under the cooling, dry and fan modes, while select the temperature sensor at the wired controller under the heating and auto modes.(03 in the timer display area).
- iv. Select the temperature sensor at the wired controller under the cooling, dry and fan modes, and select the temperature sensor at the return air inlet under the heating mode and auto modes (04 displayed in the timer display area).

## **OPERATION cont.**

After the setting, press “SWING/ENTER” to make a confirmation and quit this setting status. Pressing the button “ON/OFF” also can quit this commissioning status but the set data won’t be memorized.

Under the commissioning status, if there is no any operation in 20 seconds after the last button press, it will back to the previous state without memorizing the current data.

### **NOTE:**

After connected with indoor unit, if the type of ambient temperature sensor has not been manually set, the wired controller will select the ambient temperature sensor according to the model of connected IDU; if it connects to cassette type IDU, duct type IDU, floor ceiling type IDU, ceiling type IDU, it will adopt (iii), otherwise it will adopt (i). If the type of ambient temperature sensor is set manually, the wired controller will subject to the manual setting, and will not set according to automatic IDU model selection.

### **4. SELECTION OF THE FAN SPEED**

Under OFF state of the unit, press both “FUNCTION” and “TIMER” for five seconds to go the commissioning status, and then adjust the display in the temperature display area to 01 through the button “MODE” and adjust the setting of the fan speed, which comes to two options.

01: Three low fan speeds; 02: Three high fan speeds

Next, press “SWING/ENTER” to make a confirmation and quit this setting status.

Pressing the button “ON/OFF” also can quit this commissioning status but the set data won’t be memorized. Under the commissioning status, if there is no any operation in 20 seconds after the last button press, it will back to the previous state without memorizing the current data.

### **5. INQUIRY OF AMBIENT TEMPERATURE**

Under off or on status, press and hold “SWING/ENTER” button for 5 seconds to enter into ambient temperature inquiry interface, then timer area displays the ambient temperature type 01 or 02, and ambient temperature area displays the corresponding ambient temperature of corresponding type. In which, 01 refers to outdoor ambient temperature, 02 refers to indoor ambient temperature. Press “MODE” button can switch between type 01 and 02. Press buttons other than “MODE” or when the unit receives remote control signal, it will quit the inquiry status. If there is no any operation for 5 seconds, it will quit automatically.



## ERRORS DISPLAY

If there is an error occurring during the operation of the system, the error code will be displayed on the LCD, as shown in Fig. 21. If multi errors occur at the same time, their codes will be displayed circularly.

Note: In event of any error, please turn off the unit and contact the professionally skilled personnel.

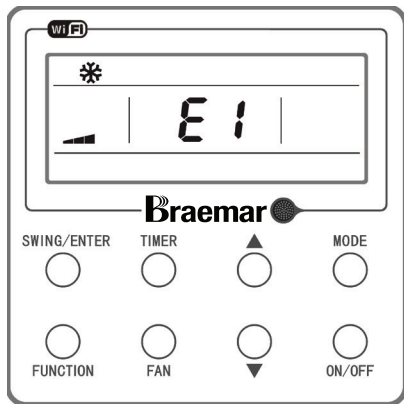


Fig. 21


<b>Error</b>	<b>Error Code</b>	<b>Error</b>	<b>Error Code</b>
Indoor ambient temperature sensor is open/short circuited	F 1	Drive board communication error	P6
Indoor evaporator temperature sensor is open/short circuited	F2	Compressor overheating protection	H3
Indoor unit liquid valve temperature sensor open/short circuited	b5	Indoor and outdoor units unmatched	LP
Indoor gas valve temperature sensor open/short circuited	b7	Communication line misconnected or expansion valve error	dn
IPM temperature sensor open/short circuited	P7	Running mode conflict	E7
Outdoor ambient temperature sensor open/short circuited	F3	Pump-down	Fo
Outdoor unit condenser mid-tube temperature sensor open/short circuited	F4	Defrost or oil return	
Discharge temperature sensor open/short circuited	F5	Forced defrosting	H1
Indoor and outdoor communication error	E6	Compressor startup failure	Lc
DC bus under-voltage protection	PL	High discharge temperature protection	E4
DC bus over-voltage protection	PH	Overload protection	E8
Compressor phase current sensing circuit error	U1	Whole unit over-current protection	E5
Compressor demagnetization protection	HE	Over phase current protection	P5
PFC protection	Hc	Compressor desynchronizing	H7
IPM Temperature Protection	P8	IPM Current protection	H5
Over-power protection	L9	Compressor phase loss/reversal protection	Ld
System charge shortage or blockage protection	F0	Frequency restricted/reduced with whole unit current protection	F8
Capacitor charging error	Pu	Frequency restricted/reduced with IPM current protection	En

Table 03.1

<b>Error</b>	<b>Error Code</b>	<b>Error</b>	<b>Error Code</b>
High pressure protection	E1	Frequency restricted/reduced with high discharge temperature	F9
Low pressure protection	E3	Frequency restricted/reduced with anti-freezing protection	FH
Compressor stalling	LE	Frequency restricted/reduced with overload protection	F6
Over-speeding	LF	Frequency restricted/reduced with IPM temperature protection	EU
Drive board temperature sensor error	PF	Indoor unit full water error	E9
AC contactor protection	P9	Anti-freezing protection	E2
Temperature drift protection	PE	AC input voltage abnormal	PP
Sensor connection protection	Pd	Whole unit current sensing circuit error	U5
DC bus voltage drop error	U3	4-way valve reversing error	U7
Outdoor fan 1 error protection	L3	Motor stalling	H6
Outdoor fan 2 error protection	LR	PG motor zero-crossing protection	U8
Compressor inhalation temperature sensor error	dc	Indoor fan tripping error	U0
Communication error between IDU and grid connection	Ln	IDU network address error	Y3
Communication error between ODU and grid connection	LM	Ip address allocation overflow	Yb
Main error at grid connection side	Y2	Jumper cap malfunction protection	CS
Loading EEPROM malfunction	EE		

Table 03.2

# MAINTENANCE SCHEDULE

**Please NOTE:** The Maintenance Schedule covers Year 1 to Year 5

Installation Date:	/	/	Installer:					
Items to be done by the <b>Home Owner/User</b> (please sign in the places indicated)								
	Monthly	Annually	Year 1	Year 2	Year 3	Year 4	Year 5	
Air filter cleaning	✓							
Air filter replacement		✓						
Maintain required clearance around Outdoor unit		✓						

Items to be done by a <b>Qualified Licensed Technician</b> (Home owner/user must ensure that the technician signs and dates in the places indicated)	
	Annually
Check, clean or replace filter	✓
Check drain from indoor coil	✓
Check Outdoor unit clearances – maintain garden and debris	✓
Check refrigerant charge	✓
Check refrigeration connections for soundness	✓
Check outdoor fans	✓
Check electrical connections	✓
Check overall installation	✓
Report to the home owner/user all tasks that require attention	✓

Year 1 - Date:	/	/	Technician:	
Year 2 - Date:	/	/	Technician:	
Year 3 - Date:	/	/	Technician:	
Year 4 - Date:	/	/	Technician:	
Year 5 - Date:	/	/	Technician:	

To preserve your investment for many years after the expiry of warranty, we strongly recommend that you continue to maintain and service the Braemar Air Conditioner appliance as per the items and frequency set out in the Schedule, and as indicated elsewhere in the Owner's Manual.

# OPERATION TIPS

The following events may occur during normal operation:

## 1. Protection of the air conditioner.

Compressor protection

- The compressor cannot restart for 3 minutes after it stops.
- The supply air drops below a pre-determined set point; this prevents the indoor coil from freezing.

## 2. A white mist coming out from the Indoor unit.

-A white mist may generate due to a large temperature difference between air inlet and air outlet on COOL mode in an indoor environment that has a high relative humidity.

## 3. Low noise of the air conditioner.

- You may hear a low hissing sound when the compressor is running or has just stopped running. This sound is the sound of the refrigerant flowing or coming to a stop.
- You may also hear a low “squeak” sound when the compressor is running or has just stopped running. This is caused by heat expansion and cold contraction of the plastic parts in the Appliance when the temperature is changing.

## 4. Dust is blown out from the Indoor unit.

This is a normal condition when the air conditioner has not been used for a long time or during first use of the appliance.

## 5. A peculiar smell comes out from the Indoor unit.

This is caused by the Indoor unit giving off smells permeated from building material, from furniture, smoke (for example if someone is cooking food), or from the duct work.

## 6. FAN operation during COOL mode.

When indoor air temperature reaches the setting on the wired wall control, the compressor will stop operating and after approximately 60 seconds the indoor fan will stop blowing air. When the room temperature rises back to the set point, the indoor fan and the compressor will start again.

Problem	Probable Cause	Remedy
1. The air conditioner does not run.	1.1 Power failure. 1.2 Fuse blown or circuit breaker open. 1.3 Thermostat adjustment too low (in heating mode) or too high (in cooling mode).	1.1 Wait for power to resume. 1.2 Replace the fuse or reset the breaker. 1.3 Check thermostat setting.
2. There is insufficient cooling.	2.1 The room was probably very hot when the system was started.	2.1 Wait a while so the appliance has enough time to cool the room.
3. 'Clicking' sound is heard from the air conditioner.	3.1 In heating or cooling operation, any plastic parts may expand or shrink due to a sudden temperature change. In this event, a clicking sound may occur.	3.1 This is normal.

Table 04

**Warranty Service Australia**

1300 650 644



It is the policy of Seeley International to introduce continuous product improvement.

Accordingly, specifications are subject to change without notice.

Please consult with your dealer to confirm the specifications of the model selected.

