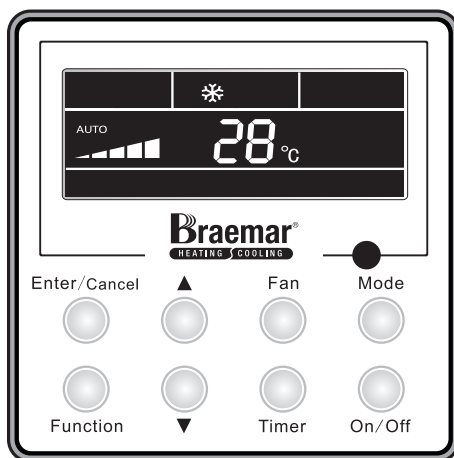


OWNER'S MANUAL

DUCTED INVERTER



(English) (SDHV 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. Further, 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 VOID YOUR WARRANTY.**

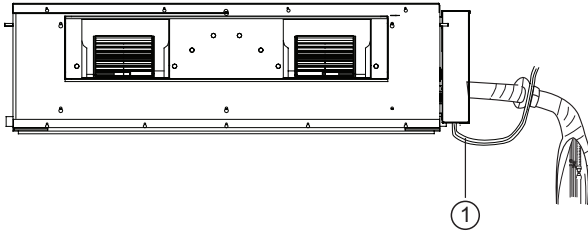
(For complete warranty terms, refer to the separate Warranty Booklet sold with the product. Alternatively, visit www.braemar.net.au to download the terms. Warranty terms are subject to property access and industry safety standards.)

CONTENTS

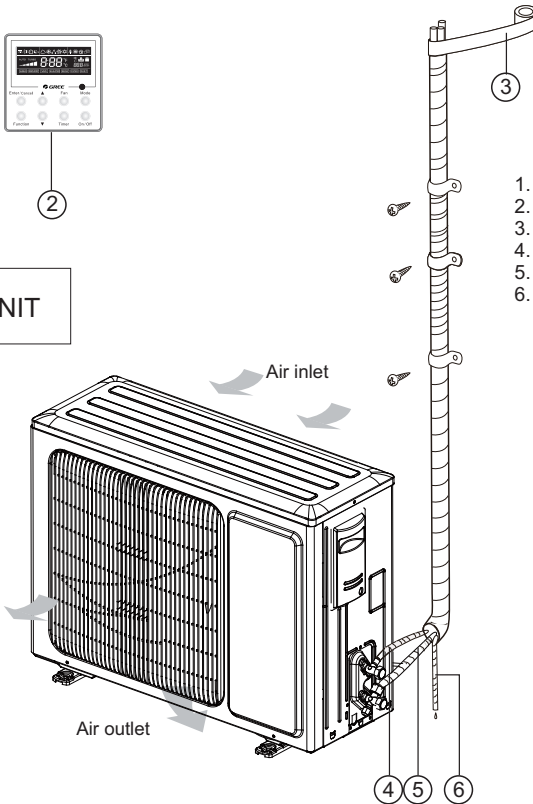
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MAIN COMPONENTS

INDOOR UNIT



OUTDOOR UNIT



- 1. Power Cord
- 2. Wired Controller
- 3. Binding tape
- 4. Liquid Pipe
- 5. Gas Pipe
- 6. Drain Pipe

INTRODUCTION & 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 Ducted Inverter 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 (see the diagram on page 2) to ensure grass, leaf and other matter are not drawn into or onto the Inlet side of the Outdoor unit. Restriction to the air flow 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 Ducted Inverter 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.

OPERATION

Your Braemar Ducted Inverter Air Conditioning Unit 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.

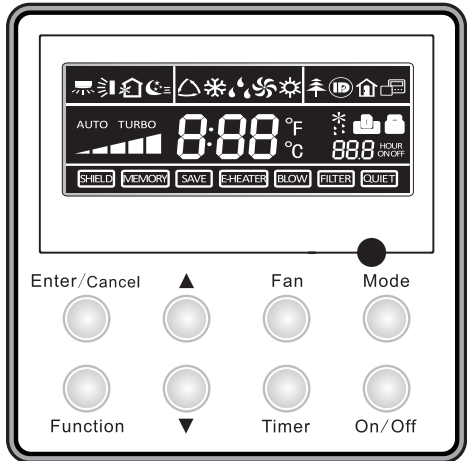
WIRED CONTROLLER

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

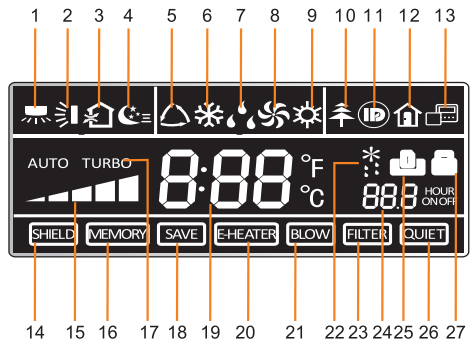
1. Do not install the wired controller in a damp place or under direct sunlight.
2. Do not abuse, toss, or frequently assemble/disassemble the wired controller.
3. Do not operate the wired controller with wet hands and never let any liquid flow into it.
4. Do not install or remove the wired controller 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.

CONTROLLER LAYOUT

Appearance and LCD Icons






















Wired Controller appearance



LCD Icon Layout









OPERATION cont.

LCD ICONS

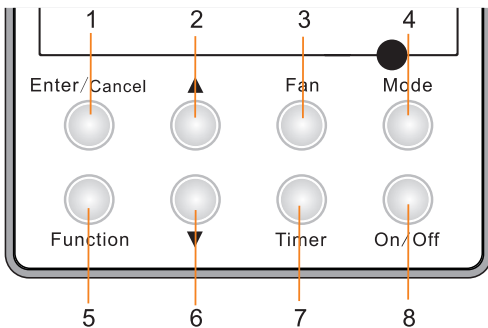
No.	Icons	Introduction
1		Left and right swing function
2		Up and down swing function
3		Air exchange function
4		Sleep function
5		Auto mode
6		COOL mode
7		DRY mode
8		FAN mode
9		HEAT mode
10		Health function
11		I-Demand function
12		Vacation function
13		Status display of master and slave wired controller
14		Shield function The button operation, temperature setting, "On/Off" operation, "Mode" setting, and "Save" setting are disabled.
15		Fan speed
16		Memory function The unit will resume the original setting state after power recovery.
17		Turbo function
18		Energy-saving function
19		Ambient/setting temperature

OPERATION cont.

LCD ICONS cont.

20		Electric heater
21		Blow function
22		Defrosting function
23		Filter cleaning
24		Timer Setting
25		Keycard control / Detected status sensed by human body
26		Quiet function
27		Lock function

BUTTON FUNCTIONS



No.	Press Buttons	Function Introduction
1	Enter/Cancel	<ul style="list-style-type: none"> • Function selection and canceling; • Press for 5s to display the outdoor and indoor ambient temperature.
2	▲	<ul style="list-style-type: none"> • Running temperature setting of indoor unit, range :16~30°C • Timer setting, range:0.5-24hr
6	▼	<ul style="list-style-type: none"> • Air function setting • Save setting • Filter clean setting

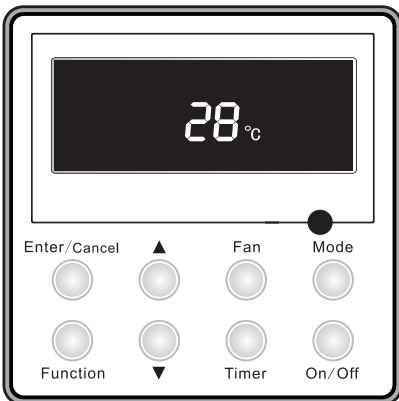
OPERATION cont.

BUTTON FUNCTIONS cont.

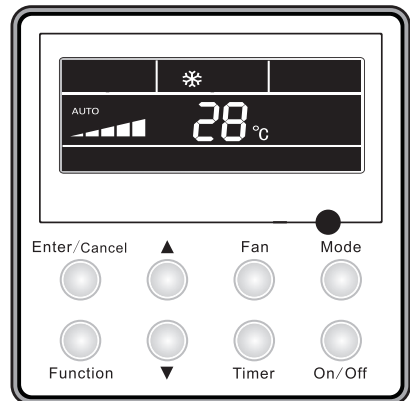
No.	Press Buttons	Function Introduction
3	Fan	Select fan speed from high, mid-high, middle, mid-low, low and auto levels.
4	Mode	Selection of the COOL, HEAT, FAN or DRY mode.
5	Function	Switchover among these functions of SWING/AIR/SLEEP/HEALTH/I-DEMAND/VACATION/TURBO/SAVE/E-HEATER/BLOW/QUIET.
7	Timer	Timer setting.
8	On/Off	Turn on/off indoor unit.
4 mode and 2 ▲	Memory	Press Mode and ▲ at the same time for 5s under the OFF state of the unit to activate/deactivate memory function (If memory is set, indoor unit will resume original setting state after power recovery. If not, indoor unit is defaulted to be OFF after power recovery. Memory function is defaulted to be ON).
2 ▲ and 6 ▼	Lock	Under the ON state of the unit without any malfunction or under the OFF state of the unit, press ▲ and ▼ buttons at the same time for 5s to go to the lock state. In this case, any other buttons won't respond the press. Repress ▲ and ▼ again for 5s to quit the lock state.
4 mode and 6 ▼	°F/°C	Under the OFF state of the unit, press the Mode and ▼ at the same time for 5s to switch the temperature scale between Celsius and Fahrenheit.

ON / OFF

Press the On/Off button to turn the unit on or off.



OFF State of the Unit

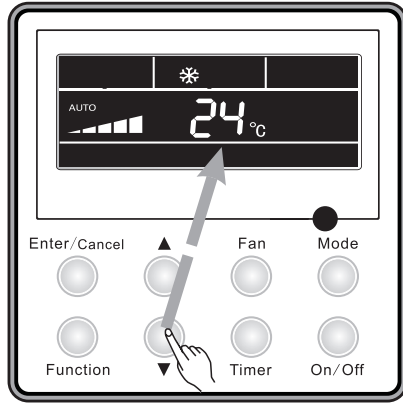
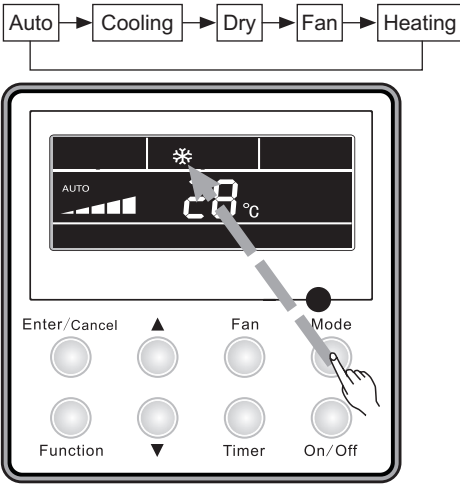


ON State of the Unit

OPERATION cont.

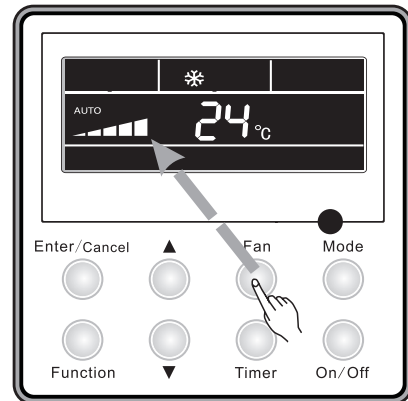
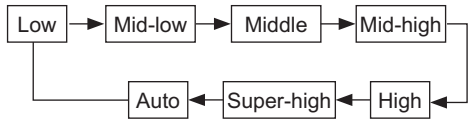
MODE SETTING

Under the ON state of the unit, press the Mode button to switch the operation modes as the sequence shown below.



FAN SPEED SETTING

Press the Fan button to vary the speeds as shown in the sequence below.



TEMPERATURE SETTING

Press ▲ or ▼ button to increase or decrease setting temperature when the unit is on. Pressing either of them continuously, temperature will be increased or decreased by 1°C every 0.5s.

In Cooling, Dry, Fan and Heating mode, temperature setting range is 16°C - 30°C.

In Auto mode, the setting temperature is not adjustable.

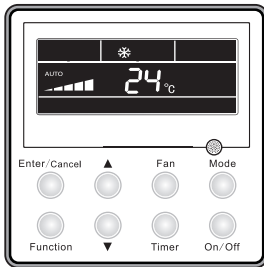
OPERATION cont.

RIGHT / LEFT SWING FUNCTION

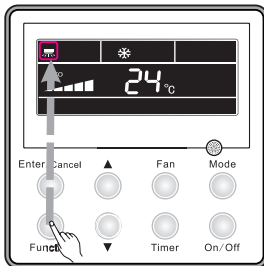
Under the ON state of unit, press the Function button to select the "Right and Left Swing" function option and then press the Enter/Cancel button to activate it.

When the Swing function is activated, press the Function button to select the "Right and Left Swing" function option and then press the Enter/Cancel button to deactivate it.

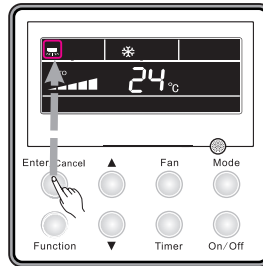
"Right and Left Swing" function setting is as shown below



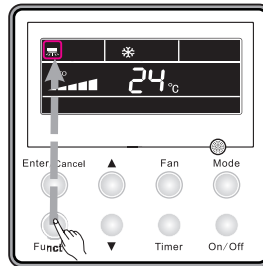
Unit On, no right-left swing



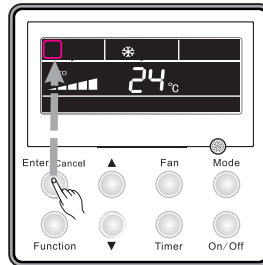
Press "Function" button to set right-left swing function



Press "Enter/Cancel" button to activate right-left swing function



Press "Function" button to set right-left swing function



Press "Enter/Cancel" button to cancel right-left swing function

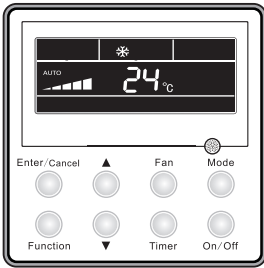
OPERATION cont.

UP / DOWN SWING FUNCTION

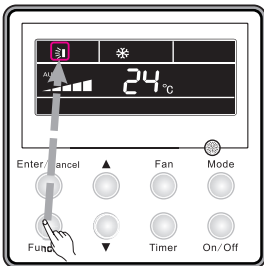
Under the ON state of unit, press the Function button to select the "Up and Down Swing" function option and then press the Enter/Cancel to activate it.

When the Swing function is activated, press the Function button to select the "Up and Down Swing" function option and then press the Enter/Cancel button to deactivate it.

Up and Down Swing function setting is as shown in Fig.10.

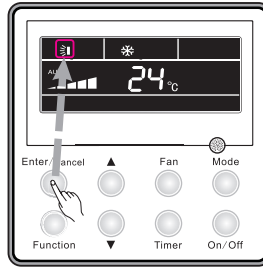


Unit On, no up-down swing

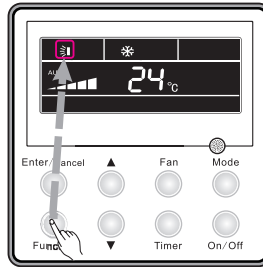


Press "Function" button to set up-down swing function

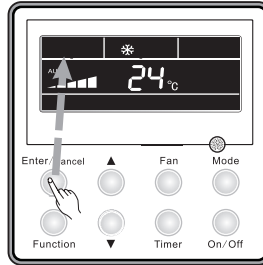
UP / DOWN SWING FUNCTION cont.



Press "Enter/Cancel" button to activate up-down swing function



Press "Function" button to set up-down swing function



Press "Enter/Cancel" button to cancel up-down swing function

OPERATION cont.

TIMER SETTING

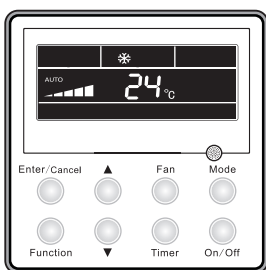
Timer "On" Setting: Use to set when to start the unit. When the unit is OFF, press the Timer button. xx HOUR is displayed and ON blinking, press ▲/▼ to adjust the timer, then press the Timer button again to confirm. If the Mode button is pressed prior to the confirmation, it will switch to the Timer Off setting. Press ▲/▼ to set the OFF time, then Timer to confirm. xx HOUR ON OFF will display, indicating the time "xx" to stop the unit. The time to start the unit won't be displayed.

Timer "Off" Setting: Use to set when to stop the unit. When the unit is ON, press the Timer button. xx HOUR is

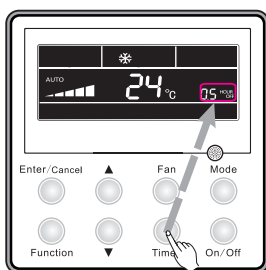
displayed and OFF blinking, press ▲/▼ to adjust the timer, then press the Timer button again to confirm. If the Mode button is pressed prior to the confirmation, it will switch to the Timer On setting. Press ▲/▼ to set the ON time, then Timer to confirm. xx HOUR ON OFF will display, indicating the time "xx" to stop the unit. The time to start the unit won't be displayed.

Cancellation of Timer Setting: The timer setting can be cancelled by pressing "Timer". Then "xx HOUR" won't be displayed.

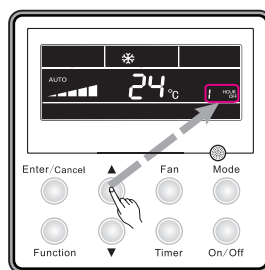
Timer "Off/On" Setting when the Unit is ON is as shown below.



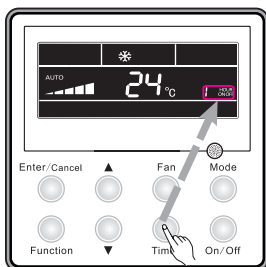
Unit On, no timer function



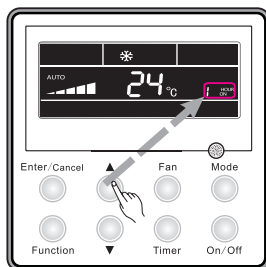
Press "Timer" button to set timer off



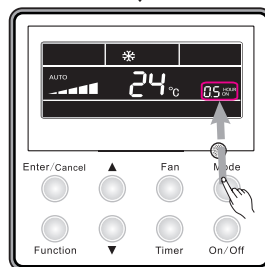
Press "▲" or "▼" button to adjust timer



Press "Timer" button to activate timer function



Press "▲" or "▼" button to adjust timer



Press "Mode" button to set timer on

OPERATION cont.

TIMER SETTING cont.

Timer range: 0.5-24hr. Every press of the ▲ or ▼ button will make the setting time change by 0.5hr. If pressed continuously, the setting time will change by 0.5hr every 0.5s.

Notes:

1. When Timer On and Timer Off both are set, the displayed time is the Timer On setting for the unit under the OFF state, or is the Timer Off setting for the unit under the ON state.

2. Timer On setting starts when the unit under the ON state is turned off; Timer Off setting starts when the unit under the OFF state is turned on.

AIR EXCHANGE SETTING

Under the ON state of the Unit, press the Function button to select the "AIR" function, with the function symbol flashing, and then press ▲ or ▼ to adjust the "AIR" type, after that, press the Enter/Cancel button to activate this function. When this function is activated, the symbol will be displayed. Setting 1 is the defaulted "AIR" type.

There are 10 "AIR" function settings, but only settings 1-2 are for the wireless remote controller.

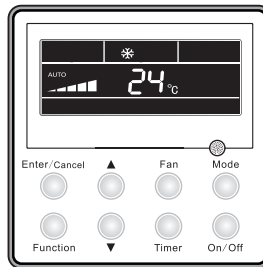
Setting 1-9: The Unit runs continuously for 60 minutes, fresh air valve runs for 6 minutes (setting 1) to 54 minutes (setting 9), in 6 minute increments.

Setting 10: The Unit runs continuously for 60 minutes, fresh air valve always runs.

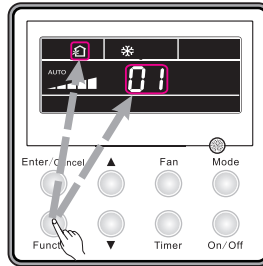
AIR EXCHANGE SETTING cont.

To deactivate the "AIR" function press the Function, select "AIR" function option with the "AIR" symbol flashing, then press the Enter/Cancel button - the "AIR" symbol disappears.

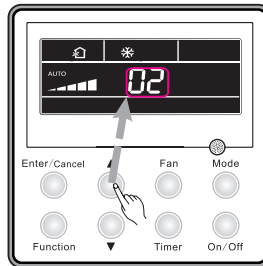
Air Exchange setting is shown below.



Unit On, no AIR function



Press "Function" button to set AIR function

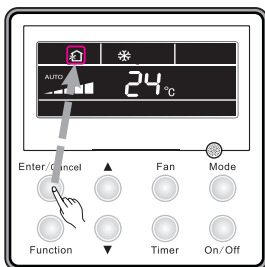


Press "▲" or "▼" button to adjust air mode

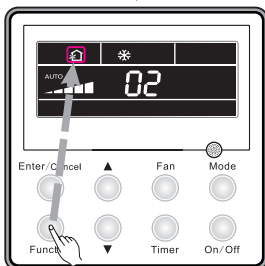


OPERATION cont.

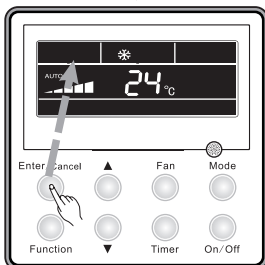
AIR EXCHANGE SETTING cont.



Press "Enter/Cancel" button to activate AIR function



Press "Function" button to set AIR function



Press "Enter/Cancel" button to cancel AIR function

SLEEP SETTING

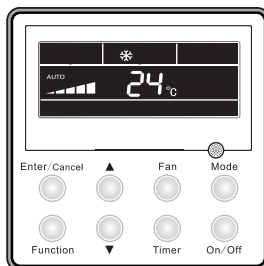
Sleep on: Press the Function button under the ON state of the unit to select the "SLEEP" function option and then press the Enter/Cancel button to activate it.

Sleep off: When the Sleep function is activated, press the Function button to

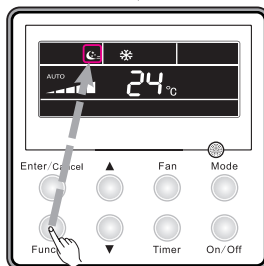
SLEEP SETTING cont.

select the Sleep function option and then press the Enter/Cancel button to deactivate this function.

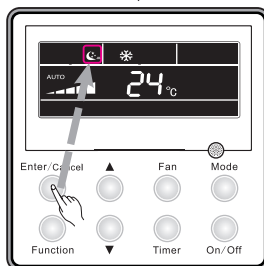
Sleep setting is as shown below.



Unit On, no SLEEP function



Press "Function" button to set SLEEP function

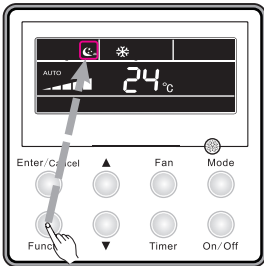


Press "Enter/Cancel" button to activate SLEEP function

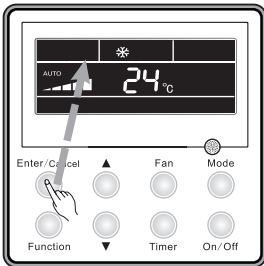


OPERATION cont.

SLEEP SETTING cont.



Press "Function" button to set SLEEP function



Press "Enter/Cancel" button to cancel SLEEP function

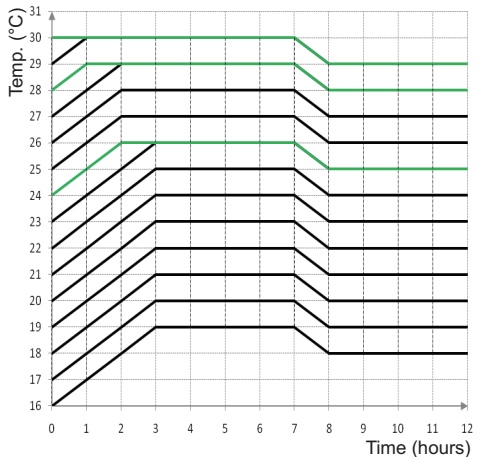
Notes:

1. The Sleep function is defaulted to be OFF after power recovery.
2. The Sleep function is unavailable under the Fan mode.
3. When the Quiet function is activated, the Quiet function will always keep ON no matter if the Sleep function is activated or deactivated.
4. Under the COOL mode, the Sleep function is ON, the setting temperature range can be 16-23°C, 24-27°C, 28-29°C or 30°C. Each of them has a different curve as shown over.

e.g. If the setting temperature is 25°C, the temperature will rise by 1°C in

SLEEP SETTING cont.

each hour until it reaches 27°C. 7 hours later, the temperature will drop to 26°C. After that, the unit will run at this temperature.



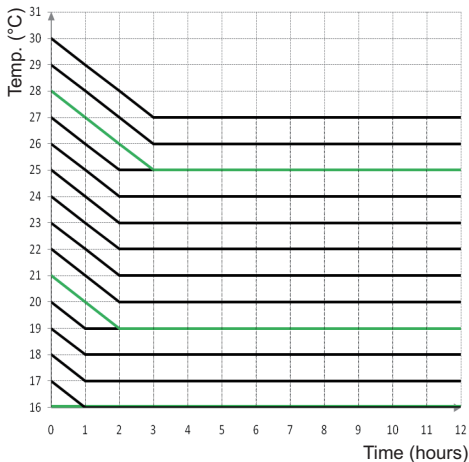
SLEEP curve under COOL mode

Under the HEAT mode, the Sleep function is ON, the setting temperature range can be 16°C, 17-20°C, 21-27°C or 28-30°C. Each of them has a different curve as shown in Fig.15.

e.g. If the setting temperature is 22°C, the temperature will drop by 1°C in each hour until it reaches 20°C. Then, the unit will run at this temperature.

OPERATION cont.

SLEEP SETTING cont.



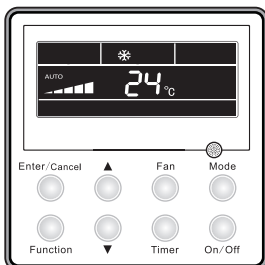
SLEEP curve under HEAT mode

HEALTH SETTING

Under the ON state, press "Function" button to select health function with "Health" icon flashing. Press "Enter/Cancel" button to activate health function.

When health is on, press "Function" button to set function, with "health" icon flashing. Then press the "Enter/Cancel" button to cancel health function.

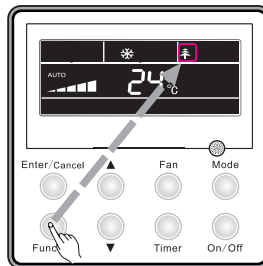
Health setting is as shown below.



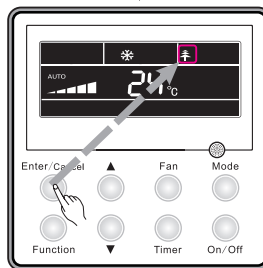
Unit On, no HEALTH function



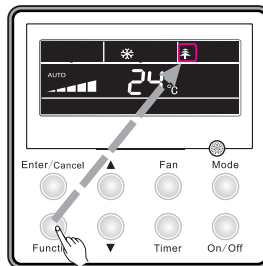
HEALTH SETTING cont.



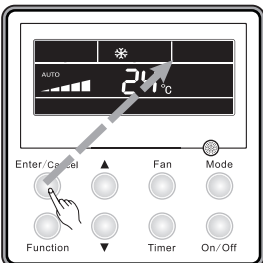
Press "Function" button to set HEALTH function



Press "Enter/Cancel" button to activate HEALTH function



Press "Function" button to set HEALTH function



Press "Enter/Cancel" button to cancel HEALTH function

OPERATION cont.

HEALTH SETTING cont.

Notes:

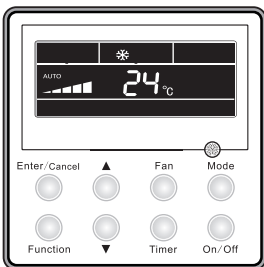
1. The health function can be cancelled by turning off the unit.
2. The health function can not be cancelled by mode switching.
3. After the unit is resumed, health function will be maintained.

I-DEMAND SETTING

Under cooling mode, press "Function" button to select I-Demand function with "I-Demand" icon flashing. Press "Enter/Cancel" button to activate I-Demand function.

When I-Demand is on, press "Function" button to set function, with "I-Demand" icon flashing. Then press the "Enter/Cancel" button to cancel I-Demand function.

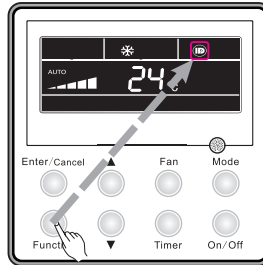
I-Demand setting is as shown below.



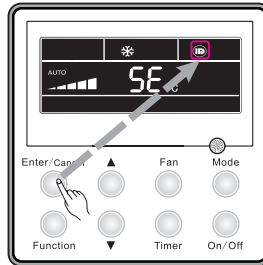
Unit On, no I-DEMAND function



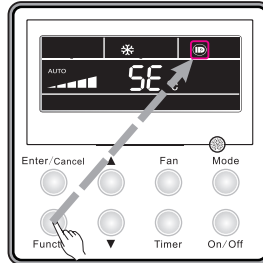
I-DEMAND SETTING cont.



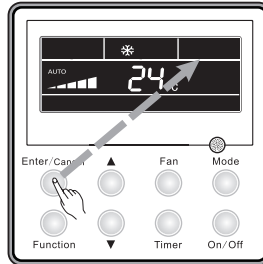
Press "Function" button to set I-DEMAND function



Press "Enter/Cancel" button to activate I-DEMAND function



Press "Function" button to set I-DEMAND function



Press "Enter/Cancel" button to cancel I-DEMAND function

OPERATION cont.

I-DEMAND SETTING cont.

Notes:

1. The I-Demand function can be cancelled by mode switch and unit ON/OFF.
2. After the unit is resumed, I-Demand function will be maintained.
3. The I-Demand function can not be simultaneously set and can be cancelled by Sleep/Quiet function.
4. When the I-Demand function is set, the unit will run as per Auto fan speed. The Turbo fan speed is not available.
5. When the I-Demand function is set, the setting temperature 27°C can not be changed.
6. When the setting temperature is shielded by the distant control, I-Demand function can not be entered.

VACATION SETTING

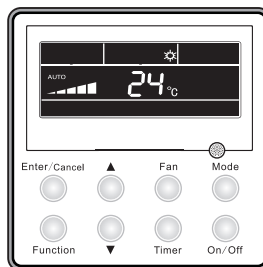
used to keep the indoor ambient temperature and activate fast heating.

Under heating mode, press "Function" button to select Vacation function with "Vacation" icon flashing. Press "Enter/Cancel" button to activate Vacation function.

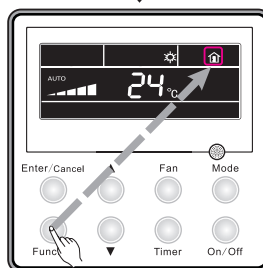
When Vacation is on, press "Function" button to set function. Then press the "Enter/Cancel" button to cancel Vacation function with no icon flashing.

Vacation setting is as shown over.

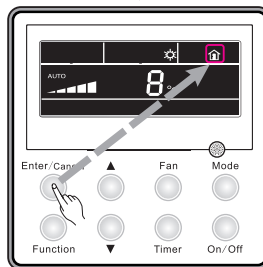
VACATION SETTING cont.



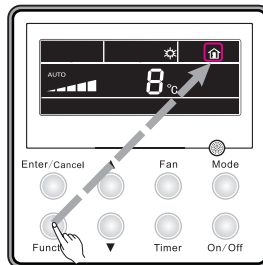
Unit On, no VACATION function



Press "Function" button to set VACATION function



Press "Enter/Cancel" button to activate VACATION function

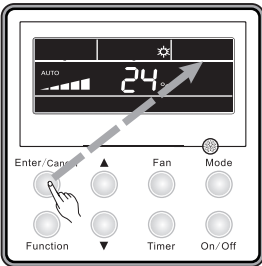


Press "Function" button to set VACATION function



OPERATION cont.

VACATION SETTING cont.



Press "Enter/Cancel" button to cancel VACATION function

Notes:

1. The vacation function can be only set under heating mode.
2. The turbo function will be cancelled when the vacation function is set.
3. The Sleep and Quiet function will be cancelled when the vacation function is set.
4. After the unit is resumed, the vacation function will be maintained.
5. When the vacation function is set, the setting temperature can not be shielded by the distant control. In reverse, the vacation function can not be set when the distant shielding is taking into effect.
6. When the vacation function is set, the setting temperature shown on the wired controller is 8°C. The indoor fan will automatically run as per Auto fan speed.
7. The vacation function can be cancelled when there is mode switching. The temperature will go

VACATION SETTING cont.

back to the original setting temperature prior to vacation function.

8. Unit ON/OFF will not cancel the vacation function.

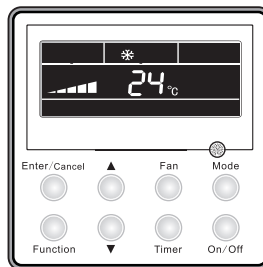
TURBO FUNCTION SETTING

The unit at the highest fan speed can realize quick cooling or heating so that room temperature can quickly approach the setting temperature.

In the COOL or HEAT mode, press the Function button to select the "Turbo" function option and then press the Enter/Cancel button to activate it.

When the "Turbo" function is activated, it can be deactivated by firstly pressing the Function button to select the "Turbo" option and then pressing the Enter/Cancel button.

Turbo function is as shown below.

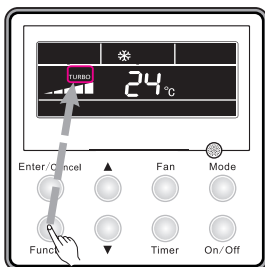


Unit On, no TURBO function

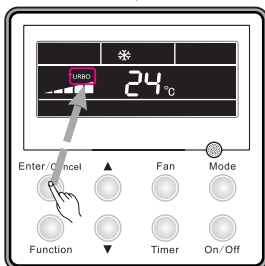


OPERATION cont.

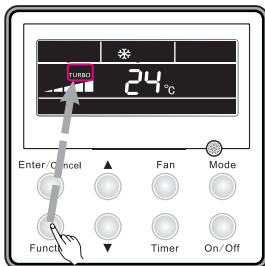
TURBO FUNCTION SETTING cont.



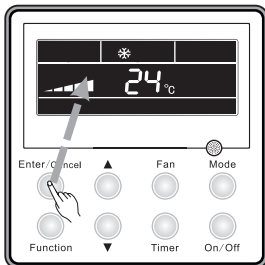
Press "Function" button to set TURBO function



Press "Enter/Cancel" button to activate TURBO function



Press "Function" button to set TURBO function



Press "Enter/Cancel" button to cancel TURBO function

TURBO FUNCTION SETTING cont.

Notes:

1. The Turbo function will not be deactivated due to power failure. In DRY, FAN and AUTO modes, the Turbo function is unavailable and the function symbol won't be displayed.
2. The Turbo function will be automatically deactivated as the Quiet function is activated.
3. The FAN button can also be used to adjust Turbo function.

SAVE FUNCTION SETTING

Energy SAVE setting will make the air conditioner operate in a smaller temperature range by limiting the lower temperature value in the COOL or DRY mode and upper value in HEAT mode.

1. Energy Saving Setting for Cooling: When the unit runs under the COOL or DRY mode, press the "Function" button to select the "SAVE" function option, with "SAVE" flashing, and then press ▲ or ▼ to adjust the lower limit, then press the "Enter/Cancel" button to activate this function.
2. Energy Saving Setting for Heating: When the unit runs under the HEAT mode, press the "Function" button to select the "SAVE" function option, with "SAVE" flashing, then press the Mode button to switch to the "SAVE" setting for the HEAT mode and then press ▲ or ▼ to adjust the upper limit, after

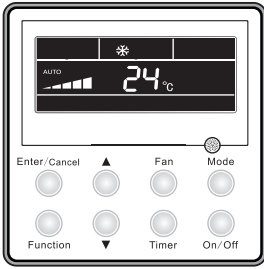
OPERATION cont.

SAVE FUNCTION SETTING cont.

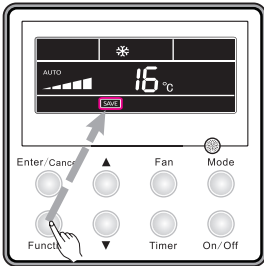
that, press the "Enter/Cancel" button to reactivate this function.

The SAVE function can be deactivated by pressing the "Function" button to select the "SAVE" option and then pressing the "Enter/Cancel" button.

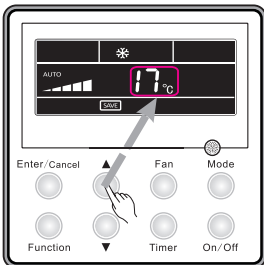
The energy save setting is as shown below.



Unit On, no SAVE function



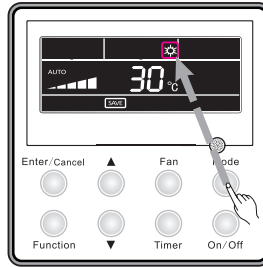
Press "Function" button to set energy SAVE temperature for Cooling



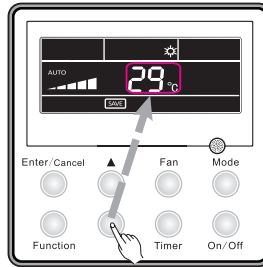
Press "▲" or "▼" button to adjust temperature



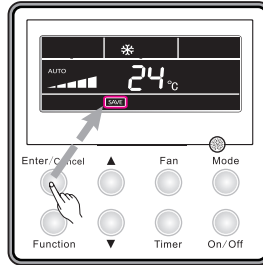
SAVE FUNCTION SETTING cont.



Press "Mode" button to set energy SAVE temperature for Heating



Press "▲" or "▼" button to adjust temperature



Press "Enter/Cancel" button to activate SAVE function

Notes:

1. In Auto mode, when "SAVE" function is activated, unit will cancel Auto mode and change to the current operation mode. The "Sleep" function will be cancelled when the "SAVE" function is activated.

OPERATION cont.

SAVE FUNCTION SETTING cont.

2. During the "SAVE" setting, if the "Function" button is pressed down or there is not any operation within 5s after the last button operation, the system will quit the "SAVE" setting with the current setting data not saved.

3. The "SAVE" function setting will be memorized after a power failure.

4. The lower limit for cooling is 16°C and the upper limit for heating is 30°C.

5. During the "SAVE" setting, if the expected setting temperature is out of the limit, then the limit temperature always prevail.

E-HEATER SETTING

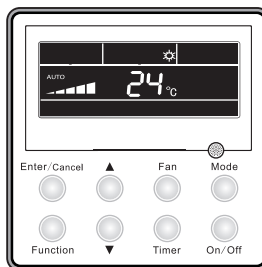
In HEAT mode, "E-HEATER" function is used to improve the heating efficiency as the unit goes into the HEAT mode through any button operations.

Activation of "E-HEATER" Function:
Press the "Function" button to select the "E-HEATER" option. With the symbol "E-HEATER" flashing, press the "Enter/Cancel" button to activate it. After the activation, the symbol "E-HEATER" will always be displayed.

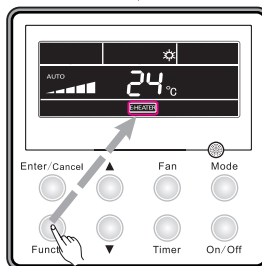
To cancel "E-HEATER" Function:
Press "Function" button to select the "E-HEATER" option. With the symbol "E-HEATER" flashing, press the "Enter/Cancel" button to deactivate it.

"E-HEATER" Function setting is as shown over.

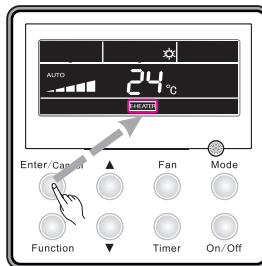
E-HEATER SETTING cont.



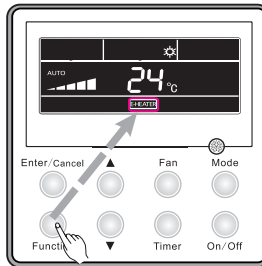
Unit On, no E-HEATER function



Press "Function" button to set E-HEATER function



Press "Enter/Cancel" button to activate E-HEATER function

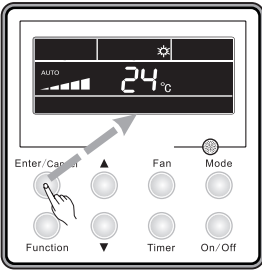


Press "Function" button to set E-HEATER function



OPERATION cont.

E-HEATER SETTING cont.



Press "Enter/Cancel" button to cancel E-HEATER function

Note: The "E-HEATER" function is not available in the COOL, DRY, and FAN modes - the "E-HEATER" symbol will not be displayed.

BLOW FUNCTION SETTING

"BLOW" function forces the fan to continue operating after the unit is turned off, so that water on the indoor unit coil will be evaporated to avoid mildew.

To activate the "BLOW" Function:

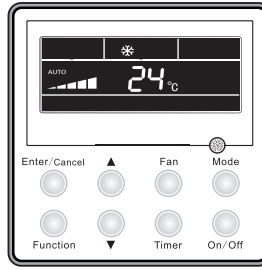
in COOL or DRY mode, press the "Function" button to select the "BLOW" option. With the symbol "BLOW" flashing, press the "Enter/Cancel" button to activate it.

To cancel the "BLOW" Function:

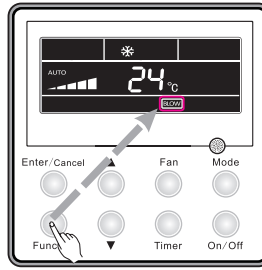
The activated "BLOW" function can be cancelled by press the "Function" button to select the "BLOW" option and then pressing the "Enter/Cancel" button.

"BLOW" function setting is as shown over.

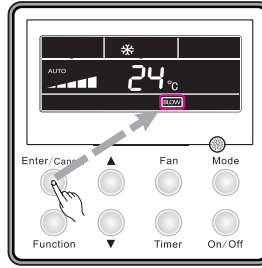
BLOW FUNCTION SETTING cont.



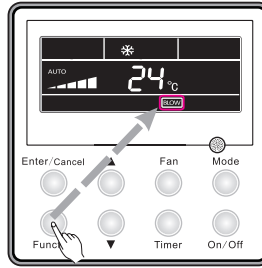
Unit On, no BLOW function



Press "Function" button to set BLOW function



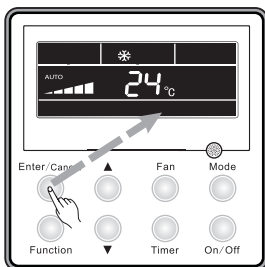
Press "Enter/Cancel" button to activate BLOW function



Press "Function" button to set BLOW function

OPERATION cont.

BLOW FUNCTION SETTING cont.



Press "Enter/Cancel" button to cancel BLOW function

Notes:

1. When the "BLOW" function is activated, if the unit is turned off through the On/Off button, the indoor fan will still run at low fan speed for another 10 minutes. When the "BLOW" function is deactivated, the indoor fan will stop when the unit is turned off.
2. The "BLOW" function is not available in the FAN and HEAT modes.

FILTER SETTING

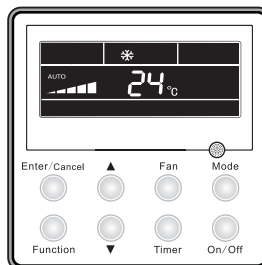
When the unit is ON, press "Function" button to set "FILTER" function. With "FILTER" icon flashing, the pollution level will be shown at the Timer area. Press "▲" and "▼" to adjust pollution level and press "Enter/Cancel" button to activate "FILTER" function.

To cancel "FILTER" function:

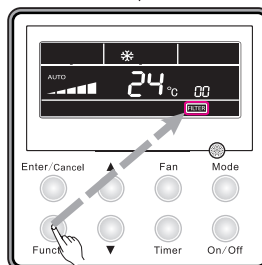
When the "FILTER" function is set, press "Function" button to select "FILTER". With "FILTER" icon flashing, press "▲" and "▼" to adjust till "00" is shown on the timer area. Then press "Enter/Cancel" button to cancel the "FILTER" function.

FILTER SETTING cont.

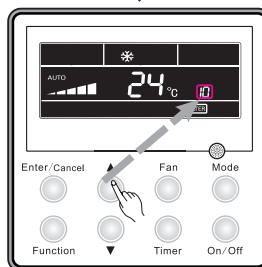
"FILTER" function setting is shown below.



Unit On, no FILTER function



Press "Function" button to set FILTER function

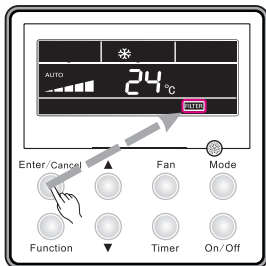


Press "▲" or "▼" button to set the pollution level

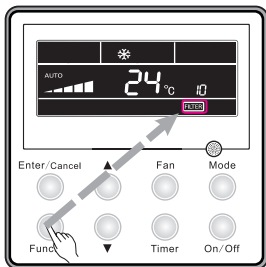


OPERATION cont.

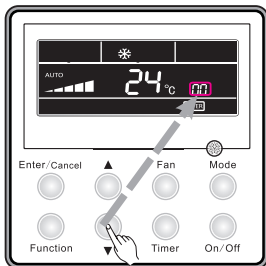
FILTER SETTING cont.



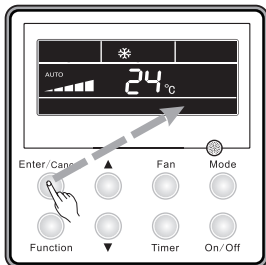
Press "Enter/Cancel" button to activate FILTER function



Press "Function" button to set FILTER function



Press "▲" or "▼" button to set "00" shown at the timer area



Press "Enter/Cancel" button to cancel FILTER function

FILTER SETTING cont.

While setting Filter, two numbers will be shown on the timer area. The first number represents the pollution level. The second number shows the accumulated operating time of the indoor fan. There are four statuses in total:

1. No Filter function setting ("00" shown at the timer area)
2. When the filter reaches light-level pollution, "1" will be shown at the first place, When "0" shows up at the second place, the accumulated operating hour reaches 5500h. Every increase of the number means another 500h is accumulated. When "9" shows up, it means the operating hour reaches 10000h.
3. When the filter reaches middle-level pollution, "2" will be shown at the first place, When "0" shows up at the second place, the accumulated operating hour reaches 1400h. Every increase of the number means another 400h is accumulated. When "9" shows up, it means the operating hour reaches 5000h.
4. When the filter reaches serious-level pollution, "3" will be shown at the first place, When "0" shows up at the second place, the accumulated operating hour reaches 100h. Every increase of the number means another 100h is accumulated. When "9" shows up, it means the operating hour reaches 1000h.

Pollution level with corresponding operating hour.

OPERATION cont.

FILTER SETTING cont.

Pollution Level	Accumulated Operating Time (h)	Pollution Level	Accumulated Operating Time (h)	Pollution Level	Accumulated Operating Time (h)
10	5500	20	1400	30	100
11	6000	21	1800	31	200
12	6500	22	2200	32	300
13	7000	23	2600	33	400
14	7500	24	3000	34	500
15	8000	25	3400	35	600
16	8500	26	3800	36	700
17	9000	27	4200	37	800
18	9500	28	4600	38	900
19	10000	29	5000	39	1000

Note:

1. If the FILTER function is effectively set, the FILTER icon will light up.
2. If it is not necessary to clean the filter, no matter whether the setting is changed or not, the unit will not restart to timing while pressing "Enter/Cancel" button.
3. If the filter should be cleaned, under ON/OFF status, the FILTER icon will blink once every 0.5s so as to remind user to clean the filter. Press "Function" button to set with FILTER icon flashing. Press "▲" and "▼" to adjust pollution level, and then press

"Enter/Cancel" button to activate it. If the setting pollution level is lighter than before, the FILTER icon will keep flashing. If the setting pollution level is more serious, the FILTER icon will go out, and the FILTER function will keep on working.

4. The only method to cancel FILTER function is, when the function is set with FILTER icon flashing, let "00" shown at the timer area, at this time, the accumulated time will be zero clearing.

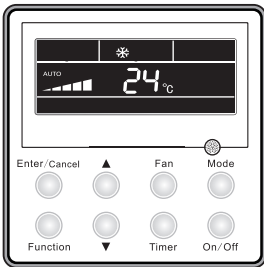
OPERATION cont.

QUIET FUNCTION SETTING

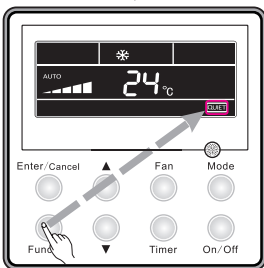
Press "Function" button to select QUIET function. With its icon flashing, press "Enter/Cancel" button to activate Quiet function.

When the quiet function is activated, press "Function" button to set with QUIET icon flashing, press "Enter/Cancel" button to cancel QUIET function.

"QUIET" function setting is as shown below.

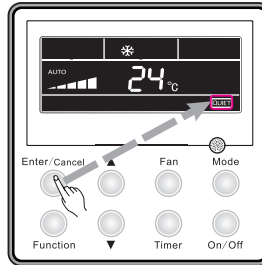


Unit On, no QUIET function

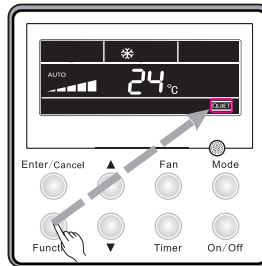


Press "Function" button to set QUIET function

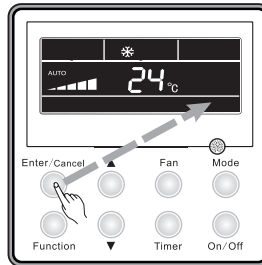
QUIET FUNCTION SETTING cont.



Press "Enter/Cancel" button to activate QUIET function



Press "Function" button to set QUIET function



Press "Enter/Cancel" button to cancel QUIET function

Notes:

1. "QUIET" function is unavailable in Fan or Dry mode. Owing to power failure, the "Quiet" function is defaulted to be deactivated.

2. If quiet function is set, turbo function will be cancelled.


OPERATION cont.

ULTRA-DRY SETTING

When in Dry mode and the setting temperature is 16°C, press "▼" button twice and the setting temperature will be changed to 12°C, at this time, the unit enters the "ULTRA-DRY" function.

The "ULTRA-DRY" function is cancelled by pressing "▲" button or pressing "Mode" button to switch mode.

LOCK FUNCTION

Under the ON state of the unit without any malfunction or under the OFF state of the unit, press ▲ and ▼ buttons at the same time for 5s till the wired controller enters the lock state and the LCD displays .

Press ▲ and ▼ buttons at the same time for 5s to quit the lock state.

Under the lock state, pressing any other buttons will give no response.

Memory Function:

In the OFF state, press the Mode and ▲ buttons at the same time for 5s to switch to "MEMORY" mode. "MEMORY" will be displayed, and when the unit is ON, the wired controller after power failure will resume its original running state upon power recovery.

Note: It takes 5s to save data. Therefore, please do not cut down the power at this time, or data will fail to be saved.

If MEMORY function is not activated, the unit will go to the OFF state after power recovery.

CENTRIGADE AND FAHRENHEIT

When the unit is OFF, press the Mode and ▼ buttons at the same time for 5s. Centigrade and Fahrenheit scales will be switched alternately.

AMBIENT TEMPERATURE ENQUIRY

Under ON/OFF status, press "Confirm" button for 5s to enter the Enquiry interface. The timer area will display the ambient temperature type: 01 or 02 and the temperature will be shown. "01" means the outdoor ambient temperature and "02" represents the indoor ambient temperature. Press "Mode" button to switch between those two types.

Press any button (except for Mode) to exit from the Enquiry function. If there is no operation in 20s, the unit will quit from this function automatically.

Notes:

1. If the unit is not fitted with an ambient temperature sensor, after 12h operation, the ambient temperature mode will not be displayed.
2. If the outdoor temperature sensor has an error, after 12h operation, the display of the ambient temperature sensor will be blocked.

OPERATION cont.

INDOOR FAN SHUTDOWN

Under unit OFF status, simultaneously press "Function" and "Timer" button for 5s, the wired controller will enter the parameter setting interface. Press "Mode" button until "05" is shown on the temperature display area. The unit will then enter the indoor fan shutdown mode.

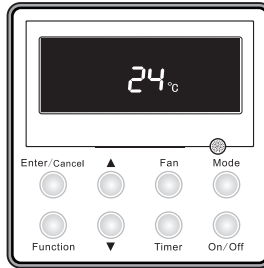
Two options are available for the indoor fan shutdown mode:

Mode 1: When the set temperature is reached, the indoor fan will continue to run, except for heating mode. In heating mode after the unit is shut down, for the duct and floor ceiling type unit, the indoor fan will blow the extra heat for 60s and then stop running. For the cassette type unit, its indoor fan will operate at low fan speed and blow the extra heat for 60s only when an error occurs.

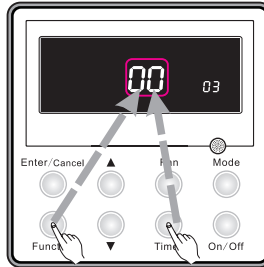
Mode 2: In all modes, the indoor fan will keep running for 10s after the set temperature is reached, then it will stop.

Press "▲" or "▼" button to adjust the mode. Under Mode 1 or 2, "00"/"01" will show up in the timer area. Then press "Enter/Cancel" button to save the settings. The setting procedures are as shown over.

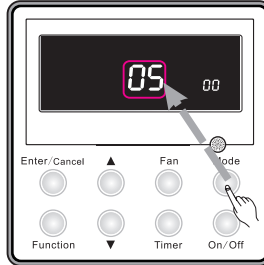
INDOOR FAN SHUTDOWN cont.



Unit OFF



Simultaneously press "Function" and "Timer" buttons for 5s, controller enters the parameter setting interface

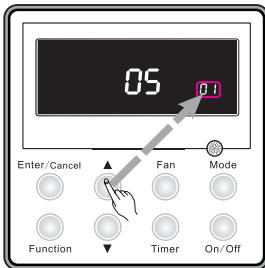


Press "Mode" button until "05" is shown. Unit will enter the indoor fan shutdown mode

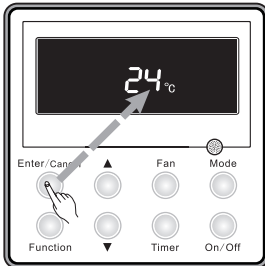


OPERATION cont.

INDOOR FAN SHUTDOWN cont.



Press "▲" or "▼" button to adjust the mode



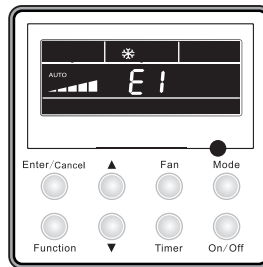
Press "Enter/Cancel" button to save the settings and quit from the interface

ERROR DISPLAY

When an error occurs to the unit, the error code will be shown on the wired controller. When multiple errors simultaneously happen, the error codes will be shown cyclically on the display.

When an error occurs, please immediately shut down the unit and contact your Seeley approved service agent.

A typical error message is shown over - "E1" means the high pressure protection.



OPERATION cont.

ERROR DISPLAY cont.

Error codes and their meanings are shown below:

Number	Error Code	Error Description
1	E1	Compressor high pressure protection
2	E2	Indoor anti-freeze protection
3	E3	Compressor low pressure protection, refrigerant lack protection and refrigerant collecting mode
4	E4	Compressor high discharge temperature protection
5	E6	Communication error
6	E8	Indoor fan motor error
7	E9	Full water protection
8	F0	Indoor ambient temperature sensor error
9	F1	Evaporator temperature sensor error
10	F2	Condenser temperature sensor error
11	F3	Outdoor ambient temperature sensor error
12	F4	Discharge temperature sensor error
13	F5	Temperature sensor error of wired controller
14	C5	Capacity code error
15	EE	Outdoor memory chip error
16	PF	Electric box sensor error
17	H3	Compressor overload protection
18	H4	Overloading
19	H5	IPM protection
20	H6	DC fan motor error
21	H7	Drive desynchronizing protection
22	Hc	Pfc protection
23	L1	Humidity sensor error

OPERATION cont.

ERROR DISPLAY cont.

Error codes and their meanings are shown below:

Number	Error Code	Error Description
24	Lc	Activation failure
25	Ld	Compressor phase sequence protection
26	LF	Power protection
27	Lp	Indoor and outdoor mismatch
28	U7	4-way valve direction changing protection
29	P0	Drive reset protection
30	P5	Over-current protection
31	P6	Communication error between main control and drive
32	P7	Drive module sensor error
33	P8	Drive module over temperature protection
34	P9	Zero passage protection
35	PA	AC current protection
36	Pc	Drive current error
37	Pd	Sensor connecting protection
38	PE	Temperature drift protection
39	PL	Bus low voltage protection
40	PH	Bus high voltage protection
41	PU	Charge loop error
42	PP	Input voltage abnormality
43	ee	Drive memory chip error

MAINTENANCE & SERVICE

AIR FILTER

It is important to check and clean the air filter as per the Maintenance Schedule below. A dirty air filter will not allow the correct amount of clean air to pass through your air conditioner, resulting in poor performance and increased running costs. You should ask the installer to show you where the air filter is located. To clean the air filter, it should be removed and then cleaned with a vacuum cleaner. If it is very dirty, wash it with soapy water and then wipe off. Make sure it is completely dry before refitting it. You should never operate the air conditioner without the air filter in place.

INDOOR COIL (REFER PAGE 2)

The indoor coil does not have any moving parts, but it is advisable to have the drain and duct connections checked on an annual basis (as set out in the Maintenance Schedule below). Drains can become blocked by all types of insects, and rats have been known to chew through the drain to get to the water in the pipe.

OUTDOOR UNIT (REFER PAGE 2)

The Outdoor unit has either one or two fans, it draws air through the appliance to expel the heat generated during the cooling cycle. We recommend checking that plants haven't grown into or around the air intake or outlet, along

with other debris that may build up over time, namely, leaves and the like.

REFRIGERANT

The refrigerant is the life blood of your air conditioning unit. Not only does the correct refrigerant charge provide you with reliable and economical cooling, it also provides the cooling for the compressor. A lack of refrigerant, due to a leak, will cause the compressor to overheat and expire prematurely. You will notice a decline in cooling effect and an increase in power consumption. Therefore, having a qualified, licensed technician service your air conditioner will save you money in the long term.

PLEASE REFER TO THE NEXT PAGE FOR THE MAINTENANCE SCHEDULE

MAINTENANCE SCHEDULE

Installation Date:	/	/	Installer:	
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Items to be done by the Home Owner/User (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 Qualified Licensed Technician (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 ductwork (including but not limited to: duct, fittings, zone dampers, grilles)	✓
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:	

Please NOTE: the Maintenance Schedule covers Year 1 to Year 5. To preserve your investment for many years afterwards, we strongly recommend that you continue to maintain and service the Braemar Ducted Inverter Air Conditioning Unit as per the items and frequency set out in the Schedule, and as indicated elsewhere in this 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 can 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 Unit 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 Unit.

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.

TROUBLESHOOTING

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 you started the system.	2.1 Wait a while so the Unit 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.

WARRANTY & SERVICE

For prompt, efficient service, please follow the above before calling the appropriate number below.

For Refrigerated Cooling Issues

1300 526 477

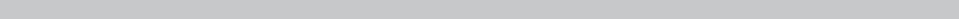
When calling the Warranty Service number, please ensure you have your model and serial number available, along with date of purchase, and if possible a description of the problem.

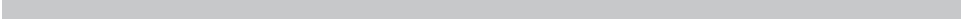
NOTE:

Seeley International strives for continuous product improvements, therefore specifications are subject to change without notice. Unit colour may vary slightly from that depicted in this booklet.

Installation and commissioning of this system to the manufacturer's specification, and compliance with industry standards, and local, state and national regulatory codes, are the responsibility of the installer.

Information in this booklet was true and correct at the time of publishing. E & OE.





It is the policy of Seeley International to introduce continuous product improvements. Accordingly, specifications are subject to change without notice. Please consult with your dealer to confirm the specifications of the model selected.



Warranty Service
Refrigerated Cooling 1300 526 477
seeleyinternational.com

Braemar[®]
HEATING COOLING