



Brivis
Ducted Air Conditioning

OPERATING INSTRUCTIONS

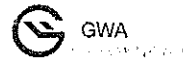
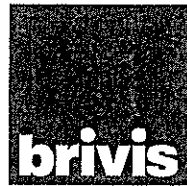
Brivis

Ducted Reverse
Cycle Inverter

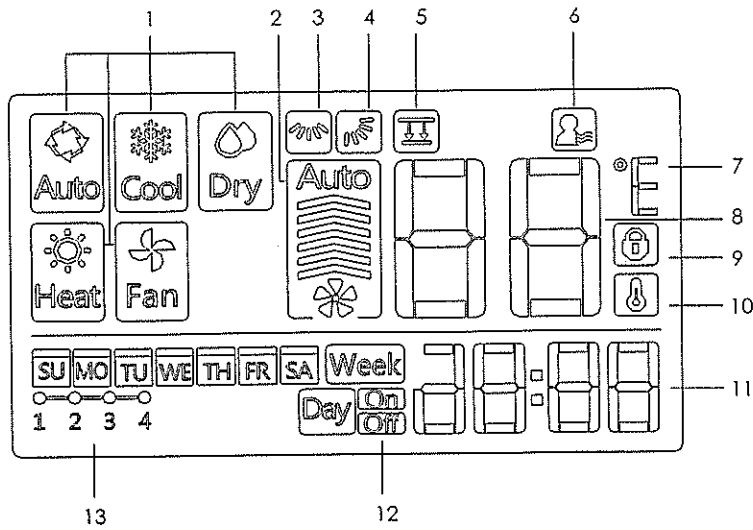
Wired Programmable Controller

OWNERS MANUAL

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE
INSTALLING & USING THIS PRODUCT

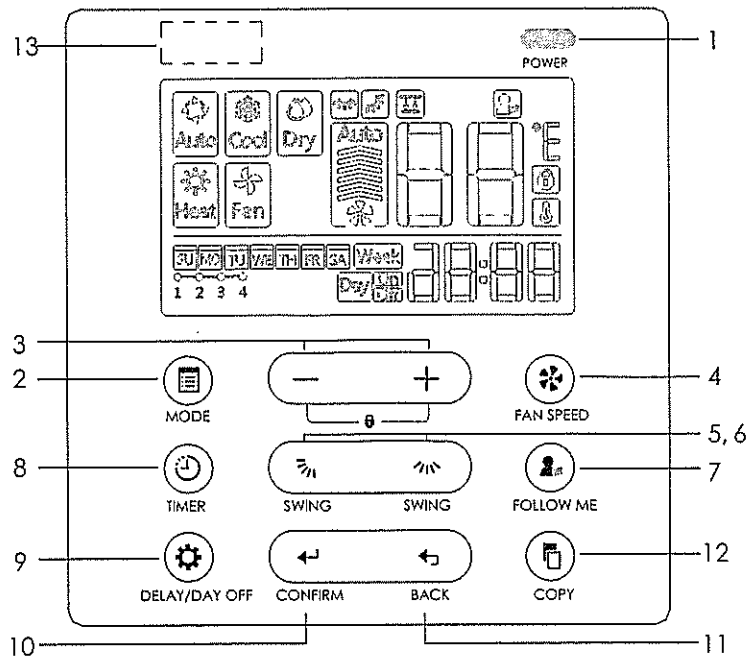


6. LCD DISPLAY LAYOUT



- | | |
|-------------------------------|-------------------------------|
| 1 Operating mode indicator | 8 Temperature display |
| 2 Fan speed indicator | 9 Lock indicator |
| 3 Left-right swing indicator | 10 Room temperature indicator |
| 4 Vertical swing indicator | 11 Clock display |
| 5 Function not applicable | 12 On/Off timer |
| 6 Follow me indicator | 13 Timer display |
| 7 Temperature C°/F° indicator | |

7. BUTTON DESCRIPTION



7. WIRED CONTROL BUTTON DESCRIPTION

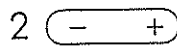
- 2 MODE
- 3 Adjustment up and down
- 4 FAN SPEED
- 5 Vertical airflow direction and swing
- 6 Horizontal swing
- 7 FOLLOW ME
- 8 TIMER
- 9 DELAY/DAY OFF
- 10 CONFIRM
- 11 BACK
- 12 COPY
- 13 Remote receiver (some models)

8. PREPARATORY OPERATION

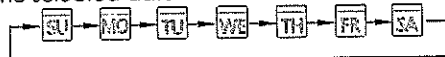
Set the current day and time



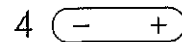
Press the TIMER button for 3 seconds or more.
The timer display will flash.



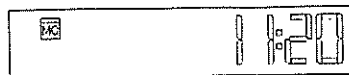
Press the "+" or "-" adjust buttons to set the date.
The selected date will flash.



After setting the day and time, press the TIMER button to exit. The control will exit if no buttons are pressed within 10 seconds.



Press the "+" or "-" adjust buttons to set the current time.
Press repeatedly to adjust the time in 1 minute increments.
Press and hold to adjust the time rapidly.



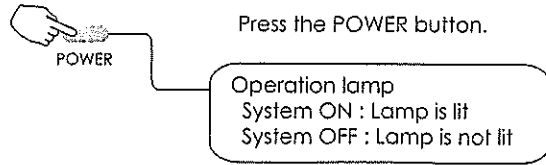
ex. Monday AM 11:20



The setting is complete after pressing TIMER button or if no buttons are pressed within 10 seconds.

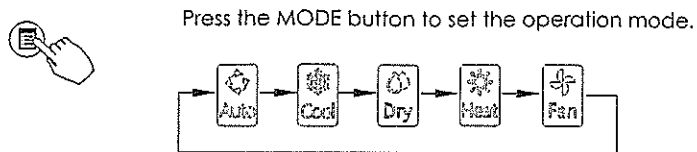
9. OPERATION

To start/stop operation

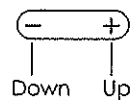


To set the operation mode

Operation mode setting



Room temperature setting

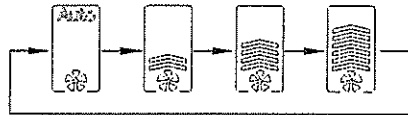


Press the "+" or "-" adjust buttons to set the room temperature :
Indoor Setting Temperature Range :
17~30°C

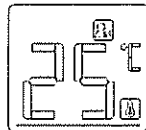
Fan speed setting



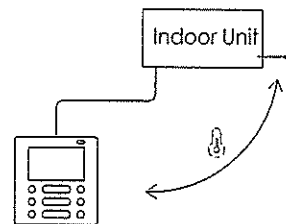
Press the FAN SPEED button to set the fan speed.
(This function is unavailable in AUTO or DRY modes)




Room temperature sensor selection



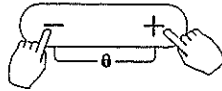
Press the FOLLOW ME button to select whether the room temperature is detected up at the indoor unit or at the wired control position.



When the Follow me function indication  is lit, the room temperature is being detected at the wired control.

9. OPERATION

Child lock function



Press the "+" and "-" adjust buttons simultaneously for 3 seconds to activate the child lock function. This will lock all buttons on the wired control. Press the same buttons again for 3 seconds to deactivate the child lock.

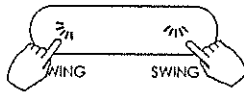
When the child lock function is activated, the  indicator appears.



Keypad tone setting



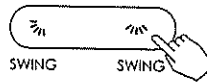
Press the "BACK" and "COPY" button simultaneously for 3 seconds to turn off the keypad tone. Press the same buttons again for 3 seconds to turn on the keypad tone.



°C & °F temperature scale selection




Press and hold  and  buttons together for 3 seconds will alternate the temperature display between the °C and °F

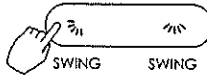
Left-Right swing (applicable products)




Press the  button to start Left-Right swing function. Press the  button again to stop.



When the Left-Right swing function is activated, the  indicator appears.

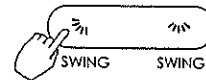
Up-Down airflow direction and swing (applicable products)




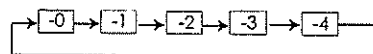
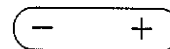
1. For every press of the SWING button, the louver changes in 6 degree increments.
2. Press and hold the button for 2 seconds to turn on the automatic SWING mode. Press the button again to stop the automatic SWING. When the automatic SWING function is activated, the  indicator appears.


- Please refer to the following instructions for products where the louvers can be operated individually.

1. Press the  button to activate the Up-Down louver function. The  indicator will flash.







2. Pressing the "+" or "-" adjust buttons to select the adjustment of the four louvers. Each time you push the button, the wired control selects the louver in the following sequence. (The  icon denotes the four louvers move simultaneously.)










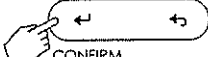
3. Use the  button to adjust the Up-Down direction of the selected louver.



10. TIMER FUNCTIONS

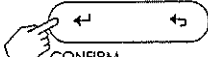
-  **WEEKLY timer**
Use this timer function to set operating times for each day of the week.
-  **On timer**
Use this timer function to start the system. The timer operates and the system starts after the set time has expired.
-  **Off timer**
Use this timer function to stop the system. The timer operates and the system stops after the set time has expired.
-  **On and Off timer**
Use this timer function to start and stop the system. The timer operates, and the system starts and stops after the set times have expired.

To set the On or Off TIMER



- 1  Press the TIMER button to select the  or  .
- No display →  →  →  → 

- 2  Press the CONFIRM button, the Clock display is flashing.

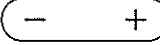
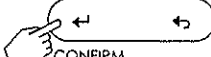
- 3   Example: Off timer set at PM 6:00
- Press the "+" or "-" adjust buttons to set the time. After the required time is set and confirmed, the timer is enabled.

- 4  Press the CONFIRM button again to complete the setting.


To set the On and Off TIMER

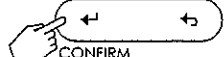
- 1  Press the TIMER button to select the  .

- 2  Press the CONFIRM button, the Clock display is flashing.

- 3  

Press the "+" or "-" adjust buttons to set the timer On time. Press the CONFIRM button to complete the setting.

- 4  Press the "+" or "-" adjust buttons to set the timer Off time.

- 5  Press the CONFIRM button to complete the setting.

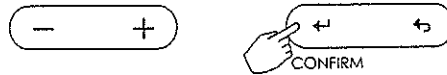
11. WEEKLY TIMER

1 Weekly timer setting



Press the TIMER button to select the **Week**, press the CONFIRM button to confirm.

2 Day of the week setting



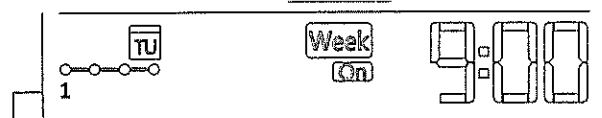
Press the "+" or "-" adjust buttons to select the day of the week. Press the CONFIRM button to confirm the setting.



3 ON timer setting of timer setting 1



Press the "+" or "-" adjust buttons to set the timer On time. Press the CONFIRM button to confirm the setting.



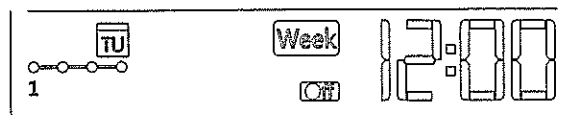
Example: Tuesday time period 1

Up to 4 timer settings can be saved for each day of the week. This allows the user to configure the week timer to suit their lifestyle.

4 Off timer setting of timer period 1



Press the "+" or "-" adjust buttons to set the timer Off time. Press the Confirm button to confirm the setting.



Example: Tuesday time period 1

5 Different timer settings can be set by repeating step 3 to 4.

6 Other days in the week can be set by repeating step 2 to 5.

NOTE: The weekly timer setting can be returned to the previous step by pressing the BACK button.

The time of timer setting can be deleted by pressing the DAY OFF button. The current setting will be restored and the system will exit the weekly timer setting automatically if there is no operation for 30 seconds.

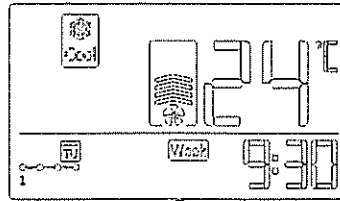
11. WEEKLY TIMER

WEEKLY timer operation

To activate the WEEKLY TIMER operation



Press the TIMER button while **Week** is displayed on the screen.



Example

To deactivate the WEEKLY TIMER operation

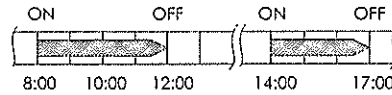


Press the TIMER button, the **Week** indicator will disappear.

• To turn off the system during weekly timer operation



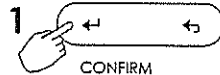
1. Press the POWER button once quickly, and the system will turn off temporarily. The system will turn on automatically at the next set timer On time.



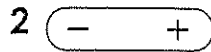
For example, if the POWER button is pressed once quickly at 10:00, the system will turn on again at the next set time of 14:00.

2. Press the POWER button for 2 seconds to turn the system off completely, this overrides the weekly timer function.

To set the DAY OFF (for a holiday)



In weekly timer mode, press the CONFIRM button.



Press the "+" or "-" adjust buttons to select the day of the week.

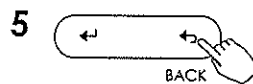


Press the DAY OFF button to set the DAY OFF.



Example: The DAY OFF is set for Wednesday

4 The DAY OFF can be selected for other days by repeating steps 2 and 3.



Press the BACK button to go back to the weekly timer function.

To cancel: Follow the same procedures as those for setup

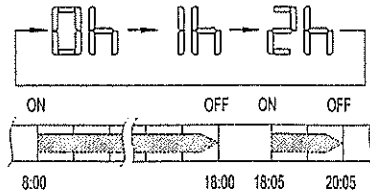
Note: The DAY OFF setting is cancelled automatically after the set day is passed.

11. WEEKLY TIMER

DELAY function



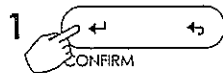
In the weekly timer function, press the DELAY button once, the display will read "0h". Press this button twice, the display will read "1h". Wait 3 seconds to confirm. This means the unit will override the settings for 1 hour. Press the delay button 3 times, the display will read "2h". Wait 3 seconds to confirm, the unit will now override for 2 hours.



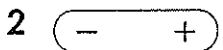
Example: Press the DELAY button to select "2h" at 18:05, and the unit will delay turning off for 2 hours, until 20:05.

Copy the setting from one day into another other day.

Settings made once can be copied into another day of the week. All of the settings of the selected day of the week will be copied. The copy function simplifies the programming functions and saves setting time.



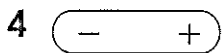
In the weekly timer function, press the CONFIRM button.



Press the "+" or "-" adjust buttons to select the preset day to copy from.



Press the COPY button, the letter "CY" will be displayed on the screen.

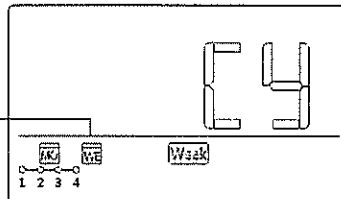


Press the "+" or "-" adjust buttons to select the day to copy to.

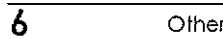


Press the COPY button to confirm.

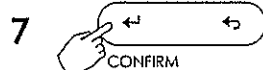
The icon flashes quickly



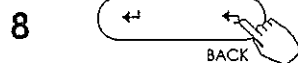
Example: Copy the setting of Monday to Wednesday



Other days can be copied by repeating step 4 and 5.



Press the Confirm button to confirm the settings.



Press the Back button to go back to the weekly timer function.

12. FAULT CODE DEFINITION

If the system does not operate correctly, the following faults may be evident. Investigate the system fault in accordance to the following fault codes.

NO	FAULT CODE DESCRIPTION	FAULT CODE DISPLAYED
1	Communication error between wired control and indoor unit	F0
2	Power supply phase error	E0
3	Communication error between indoor unit and outdoor unit	E1
4	Sensor T1 fault	E2
5	Sensor T2A fault	E3
6	Sensor T2B fault	E4
7	Sensors T3/T4 fault, or compressor discharge sensor fault	E5
8	System anti-freeze protection	E6
9	EEPROM (electronic control) malfunction	E7

10	Fan speed error	E8
11	Communication error between the main and sub board (display)	E9
12	Compressor current protection (four times)	EA
13	IPM malfunction	EB
14	Fresh Air malfunction	EC
15	Outdoor unit protection fault	ED
16	Water-level alarm and/or other malfunction	EE
17	Other malfunction	EF
18	Master control lockout	CP



For all your Sales and Service enquiries call us on 1300 BRIVIS (1300 274 847)

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Part Number: B061526
November 2013
Brivis Climate Systems Pty. Ltd.
ABN 64 096 079 086
AU24752



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2020702A1387



Reverse Cycle Ducted Air Conditioning

GENERAL INFORMATION

GENERAL

- During the summer/cooling period your indoor unit produces condensation, which drains away via the condensate line, usually to the gutter. To prevent damage to your ceiling, your system has been fitted with a 'Safety Condensate Tray'. Should this drain become blocked you will notice constant dripping from the safety drain outlet, normally at the eaves – please contact our office for service.
- Please Note: During periods of high humidity, small amounts may come from the outlet which is normal.
- Your system is not an **instant** cooling or heating system. Please allow sufficient time for the system to heat or cool your home.
- When not at home or when sleeping set the temperature a few degrees higher (cooling) or lower (heating) than usual to reduce running time.
- Temperature settings and expectations should not be excessive.

We recommend: **Cooling - 22 to 25 degrees**
 Heating - 18 to 22 degrees

- Your system is affected by the outside temperature - when extreme conditions exist, the system will run more frequently or even continuously to maintain conditions.
- During the heating cycle in winter, condensate may come from the condenser (outdoor unit) - **this is normal**.
- Your zones are controlled by motorised controllers. Allow sufficient time to open approximately 3 to 5 minutes.

YEARLY MAINTENANCE

To ensure continuing high performance and to minimise the possibility of premature equipment failure, yearly maintenance should be performed on the air conditioning equipment.

DO'S & DONT'S

- If the system is turned off, wait approximately 2 or 3 minutes before re-starting, as compressor damage or circuit breaker tripping may occur.
- Whilst the air conditioning is operating, do not move the thermostat setting more than 2° C at one time, to avoid a sudden change from heating to cooling or vice versa, as compressor damage or circuit breaker tripping may occur.
- Your filter needs to be kept clean – we suggest it be cleaned at the start of each cooling and heating period.
- Always use a minimum of one zone.
- Trim trees and shrubs from growing over or too close to the outdoor unit.

BEFORE RINGING FOR SERVICE

Please check the following:

- Have all the items, mentioned above, been checked and adhered to?
- Has the main isolating switch/circuit breaker been turned off?
- If the outdoor unit will not operate, is the thermostat set too high in summer or too low in the winter?
- Is the filter clean?
- Have any circuit breakers in the switchboard tripped?

WARRANTY

The equipment offered is covered by the manufacturer's standard warranty for material and workmanship. Warranty work is carried out by Ample Air's technicians.

Ductwork, Fitting & Diffusion	-	10 years parts only
Electric Damper Motors	-	Manufacturer's warranty
Installation & Workmanship	-	1 years labour

It should be noted that work carried out by unauthorised personnel shall void any warranties.

Warranty calls shall be carried out from 8.00am to 4.30pm Monday – Friday.

No responsibility shall be accepted for damage to the system or property, if it is found that continual use of a faulty system has occurred.

No responsibility shall be accepted for delays due to:

- Unavailability of parts from manufacturers/suppliers.
- Extreme delays due to high demand.

Please Note:

One (1) air balance of the system is covered for a period of 12 months only.

EQUIPMENT

The manufacturer warrants that the Product is free from defects in materials and factory workmanship. Subject to the manufacturer's terms of warranty, the manufacturer will repair/replace at its option, the Product or any part of the Product which its examination shows to be defective, for a period of 5 years from the date of purchase by the Purchaser.

Warranty service will only be conducted during normal business hours – Monday to Friday. The manufacturer may from time to time authorise agents to carry out repairs on their behalf. No repair may be carried out by agents without the manufacturer's express approval. Repairs by non-authorised agents may void warranty.

For a copy please contact the manufacturer.

PURCHASER'S RESPONSIBILITIES

The Purchaser must operate and maintain the Product in accordance with the Operating Instructions and service maintenance schedule, including conducting an appropriate number of services to the unit during the Warranty period, based on usage and the usage environment including but not limited to:

- Regularly cleaning the air filter(s) and replacing them where necessary;
- Replacing expired batteries or other consumables as required;
- Ensuring that the condensate drain is kept clean and clear of obstructions;
- Ensuring that outdoor units have unrestricted airflow and adequate clearances;
- Ensuring that additional corrosion protection is applied to the Product if it is installed in a corrosive environment, for example, close to the sea.

Items not covered by Warranty - and are therefore the responsibility of the purchaser:

- Service calls due to:
 - Dirty filters
 - Blown fuses
 - Main isolator switched off
 - Incorrect operation of controls.
 - Blocked Drains
 - Tripped circuit breakers
- Failure to start due to voltage conditions or other damage due to inadequacy or interruption of electrical service.
- Damage caused by accident, misapplication, abuse, alteration or tampering.
- Damage caused by use of air conditioning unit in a corrosive atmosphere.
- Filter cleaning and/or replacement, unless defective.
- Cleaning/maintenance of the air conditioning unit.
- Calls made to check operation of equipment that is found to be working satisfactorily.
- Remounting of the outdoor unit due to ground subsidence.
- Modifications to system after installation due to change of requirements.
- Relocation of equipment due to complaints of noise level or inappropriate location.

The PURCHASER WILL BE CHARGED for work done or service call(s) if:

- The problem is not covered by these Terms of Warranty
- There is nothing wrong with the product (e.g. instructing Purchaser on the operation of the Product and/or controls)

We recommend that you read the operating instructions, and in particular the Do's and Don'ts section of the Operating Instructions, before you make a Warranty service call.

For any further enquiries regarding your air conditioning system or if we can assist you in any other way please call on us.

FOR ALL ENQUIRIES

Office and Showroom: 9 Railway Street,
Emu Plains

Phone: 1800 221 348

Fax: 9673 3224

Email: Sales – sales@ampleair.com.au
Service – service@ampleair.com.au

Website: www.ampleair.com.au

Sales & Service Office hours: Monday to Friday 8.30am – 4.30pm
Saturday – by appointment only

Service Technicians' Hours: Monday to Friday 8.00am to 4.30pm

DUCTED SYSTEM - WINTER DEFROST

- * All reverse cycle ducted air conditioning systems are affected by the outdoor temperature - the colder outside, the less heating inside.
- * When it is cold outside, most systems develop ice or frost on the outside motor.
- * All reverse cycle systems have some form of 'defrosting' method to remove this ice.
- * When this occurs, the ice melts and turns to steam, sometimes mistaken for smoke. **This is quite normal.**
- * A loud whooshing noise can sometimes be heard. **This is quite normal.**
- * Some methods of defrost also stop the fan motor (outside unit) from working, whilst the compressor continues to operate. **Again normal.**
- * When extremely cold outside some older units, remain on defrost for a long time and you may think the unit is faulty.
- * It is important to leave the unit operating so that it can complete the defrost cycle. If the unit is switched off before completing the cycle, it may still be locked into this defrost mode when again switched on. The defrost process should only last up to five minutes, if not a service call maybe required.
- * During some defrost cycles, a cold draft of air can come from the outlets.
- * Do not hose down or pour water over a unit with ice on it. As it may cause damage to the electrical components.
- * If you are still unsure about defrost, a service call maybe required to check the unit on site.