

## BLACKTOWN DUPLEX

## MECHANICAL SERVICES AND AS-BUILT DRAWINGS

**PRODUCED:** **SEPTEMBER 2025**

**REVISION:** **A**

**PRODUCED BY:** **Specialist Services**

6 Ferris St North Paramatta NSW



**HEAD CONTRACTOR:** **PRIME BUILD PTY LTD**

6 Hassall St, Parramatta NSW 2150

## **CONTENTS**

- 1. GENERAL DESCRIPTION**
- 2. SUPPLIER DETAILS**
- 3. COMPLIANCE & CERTIFICATES**
- 4. DATA SHEETS**
- 5. AS-BUILT DRAWINGS**

Specialist Services Australia Pty Ltd | ABN 89 135 692 170 | ACN 135 692 170  
Telephone: 1300 322 000 | Email: [admin@specialistsvs.com.au](mailto:admin@specialistsvs.com.au)

NSW Office  
6 Ferris Street, North Parramatta NSW 2151  
License: 220319C / Refrigerant License: AU37048

VIC Office  
3/88 Wirraway Drive, Port Melbourne VIC 3207  
License: REC 26786

QLD Office  
15 Christine Avenue, Miami QLD 4220  
License: 82540

## **1: GENERAL DESCRIPTION**

The extent of works includes, but not limited to the following, all in accordance with the Drawings, Specifications, project brief and Subcontract documents:

The work includes the following:

- Rough in all indoor unit, ductwork, refrigerant pipes & drainage
- Cutout all grills and diffusers
- Installation of grills, diffusers and outdoor unit
- Testing & Commissioning
- Operation & Maintenance Manuals & 'As-Installed' Drawings

## **2: SUPPLIER DETAILS**

### **DESCRIPTION**

**General Mechanical Materials**

### **SUPPLIER**

**Polyaire**

6/17 Stanton Rd

Seven Hills NSW 2147

**Air Conditioning Units**

### **SUPPLIER**

**Actron Air**

7 Fairview Pl

Marsden Park NSW 2765



## **3: COMPLIANCE & CERTIFICATES**

### **SECTION**

A - Site Details

B- Compliance Certificates

Specialist Services Australia Pty Ltd | ABN 89 135 692 170 | ACN 135 692 170  
Telephone: 1300 322 000 | Email: [admin@specialistsvs.com.au](mailto:admin@specialistsvs.com.au)

NSW Office  
6 Ferris Street, North Parramatta NSW 2151  
License: 220319C / Refrigerant License: AU37048

VIC Office  
3/88 Wirraway Drive, Port Melbourne VIC 3207  
License: REC 26786

QLD Office  
15 Christine Avenue, Miami QLD 4220  
License: 82540

## SECTION A

### A: SITE DETAILS

Site: Blacktown Duplex

Address: 74 & 74A Stephen St Blacktown 2148

Maintenance Contractor: Specialist Services AUST Pty Ltd

Address: 6 Ferris Street  
North Parramatta NSW 2151

Contact: Specialist Services

Phone: 1300 322 000

Final Commissioning Date: September 2025

## SECTION B

### **B: Certificates**

- Mechanical Ventilation

Specialist Services Australia Pty Ltd | ABN 89 135 692 170 | ACN 135 692 170  
Telephone: 1300 322 000 | Email: [admin@specialistsvs.com.au](mailto:admin@specialistsvs.com.au)

NSW Office  
6 Ferris Street, North Parramatta NSW 2151  
License: 220319C / Refrigerant License: AU37048

VIC Office  
3/88 Wirraway Drive, Port Melbourne VIC 3207  
License: REC 26786

QLD Office  
15 Christine Avenue, Miami QLD 4220  
License: 82540

## Mechanical Ventilation System - INSTALLATION CERTIFICATE

DA / CC	
Project Name	<i>Blacktown Duplex</i>
Address	Lot 393, 74 Stephen Street, BLACKTOWN 2148
Part of Building to be certified	<i>Mechanical Air Conditioning System.</i>  <i>- Ducted AC system.</i>  <i>Mechanical Ventilation</i> <i>- Mechanical Ventilation for Ensuite</i> <i>- Upstairs bathroom</i> <i>- Downstairs WC.</i>

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Air Conditioning and Mechanical Ventilation Systems	<ul style="list-style-type: none"><li>• NCC 2022 H4P5</li><li>• AS1668.2-2012 – Mechanical Ventilation in Buildings.</li></ul>

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: \_\_\_\_\_

AIR CONDITIONING COMPANY LICENCE 220319C

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: MICHAEL KEARNS \_\_\_\_\_

Company: SPECIALIST SERVICES AUSTRALIA \_\_\_\_\_

Address: 6 FERRIS STREET NORTH PARRAMATTA \_\_\_\_\_

Phone No. 02 9630 1244 \_\_\_\_\_ Fax No. 02 9630 1255 \_\_\_\_\_

*Michael Kearns*

\_\_\_\_\_

*03.09.25*

\_\_\_\_\_

**Signature**

**Date**

## **4: DATA SHEETS**

Specialist Services Australia Pty Ltd | ABN 89 135 692 170 | ACN 135 692 170  
Telephone: 1300 322 000 | Email: [admin@specialistsvs.com.au](mailto:admin@specialistsvs.com.au)

NSW Office  
6 Ferris Street, North Parramatta NSW 2151  
License: 220319C / Refrigerant License: AU37048

VIC Office  
3/88 Wirraway Drive, Port Melbourne VIC 3207  
License: REC 26786

QLD Office  
15 Christine Avenue, Miami QLD 4220  
License: 82540

# WALL CONTROLLER

## Operation Manual



## Model Numbers

LR7-1W (White)

LR7-1G (Grey)

### IMPORTANT NOTE:

Please read this manual carefully before installing or operating your air conditioning unit.





## Table of Contents

01. General Information .....	3
02. Waste Electrical and Electronic Equipment Disposal Guidelines .....	4
03. Maintenance .....	4
04. Operational Precautions.....	4
05. System Information.....	5
06. Features .....	6
07. Wall Controller Functions .....	7
08. Controller Assignment .....	9
09. Turning Air Conditioner On/Off .....	9
10. Adjusting Set Temperature.....	9
11. Changing Operating Mode.....	9
12. Timer Operation.....	12
13. Backlight Function .....	14
14. Program Menu .....	15
15. Filter Timer.....	34
16. Near Field Communication (NFC) Tag.....	35

## 01. General Information

**CONGRATULATIONS!** The LR7 Control Interface is manufactured from the highest quality materials and designed to ensure years of satisfactory operation.

**IN THIS MANUAL,** You will find instructions on how to program and utilise the many advanced features this control interface has to offer. Please take time to familiarise yourself with all these features, apply their functions to suit your optimum comfort requirement and achieve energy cost savings at the same time. Thoroughly read this manual in order to ensure correct utilisation of your ActronAir air conditioner.

**IMPORTANT NOTICE,** ActronAir base the development of its air conditioning products on more than 30 years of experience in HVAC, sound and continuous investments in technological innovations and product improvements, advancement in manufacturing processes and quality control through 100% functional product testing. However, ActronAir cannot guarantee that all the aspects of the product and the software included with the product respond to the requirements of final application, despite the product being developed according to state of the art technology. The customer, both end user/specifier and installer, assume all liability and risks relating to the configuration of the product in order to reach the expected results in relation to the specific design and system installation. ActronAir, based on specific agreements, may be consulted for the positive commissioning, installation and application of the unit, however in no case does ActronAir accept liability for the correct operation of the final equipment / system.

Your ActronAir air conditioning unit is one of the most advanced and innovative products in the market. Its operation is specified in the technical documentation supplied with the product or which can be downloaded from our website: [www.actronair.com.au](http://www.actronair.com.au). Your air conditioner requires set-up/configuration/programming in order to be able to operate in the best possible way to suit your requirement. Failure to complete such operations, may result in malfunction and/or damage to the unit, for which ActronAir accepts no liability.

Installation, commissioning and other technical services must only be carried out by a qualified technician. Ensure that the unit installation complies with all relevant council regulations and building code standards. All electrical wiring must be in accordance with current electrical authority regulations and all wiring connections to be as per electrical diagram provided. Always use appropriate PPE for your safety and protection. Make sure that any safety guards and covers are always firmly secured and not damaged. WH&S rules and regulations must be observed at all times and will take precedence during installation process and operation of the unit.

In addition, the following instructions must be observed:

- Prevent the electrical components and electronic circuits from getting wet.
- Do not install the controlling devices in hot environments as extreme temperatures may damage the electronic equipment.
- Do not attempt to open the controller and other electronic devices in any way other than described in this manual.
- Do not drop, shake or hit the devices, which can cause irreparable damage to its internal circuits and mechanisms.
- Do not use corrosive chemicals, solvents or other aggressive detergents to clean the unit and the control interface.
- Do not use the unit for applications other than those specified in the technical manual.
- Do not install the unit in environment with highly flammable, combustible and/or explosive articles and materials.
- This control interface must be installed in a location that complies with the temperature and humidity limits specified in this manual.

ActronAir is constantly seeking ways to improve the design of its products, therefore specifications are subject to change without prior notice. Please check with ActronAir Service Department on toll free number: **1800 119 229**.

### SPECIFICATIONS:

- Voltage: 12VDC ( $\pm 10\%$ )
- Data: Cat5e UTP (AWG 24) Data Cable.
- Storage conditions:  $-20$  to  $70^{\circ}\text{C}$ ,  $< 90\%$  RH non-condensing
- Operating conditions:  $-10$  to  $60^{\circ}\text{C}$ ,  $< 90\%$  RH non-condensing
- Dimensions (mm): 130 x 130 x 14.5 (W x H x D)

## 02. Waste Electrical and Electronic Equipment Disposal Guidelines



1. Do not dispose off the waste electrical and electronic equipment with local council waste. These must be disposed off through the council designated hazardous waste collection centre.
2. The equipment may contain hazardous substances, improper or incorrect disposal may have a negative effect on human health and on the environment.

## 03. Maintenance

1. Keep the control interface clean with the use of a soft dry cloth only. If a cleaning solution is needed, use a very mild soap solution to dampen the cloth. Do not spray or squirt any liquid onto your control interface.
2. Do not use solvent base cleaner, which can cause damage to the control interface.
3. When cleaning, be careful not to accidentally press any buttons, TURN-OFF the unit to ensure that no adverse unit operation is initiated by accidentally pressing any buttons.
4. Be careful not to press hard into the display screen, as it may get damaged.
5. Ensure that the temperature sensor is always clean and free of dust or dirt build-up to maintain sensor accuracy.
6. Do not pull apart or attempt to service the control interface, should you need service to the device, contact ActronAir Service Department on 1800 119 229.

## 04. Operational Precautions

Read all instructions in this manual before operating the air conditioning unit. Failure to do so may result in damage to the unit and void your warranty.

**ACCESS PANELS AND GUARDS:** NEVER remove any access panels or guards as this could cause injury from electric shock and burns from extremely hot components. Never allow any bodily parts such as fingers or objects to protrude through the fan guards or any other opening as they could cause personal injury and damage the air conditioner.

**SUPERVISION OF CHILDREN AND INFIRM PERSONS:** This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely. Young children should be supervised to ensure that they do not play with the appliance.

**RETURN AIR FILTER:** The air conditioner must never be operated without a return air filter as this will cause a build up of dust and other contaminants on the indoor coil. This is very difficult to clean and causes the system to operate inefficiently or even fail.

**CRANKCASE HEATER PRECAUTION:** The main power ( Outside switch board ) to the system must be kept ON at all times to prevent damage to the outdoor compressor unit. Should the main power be disconnected or interrupted for 6 hours or longer, then no attempt should be made to start the system for 2 hours after the power has been restored to outdoor unit. This allows the compressor to warm up, and remove any liquid refrigerant that may cause damage.



### WARNING

#### KEEP OUT OF REACH OF CHILDREN

Contains button or coin cell battery. Hazardous if swallowed. Swallowing can lead to chemical burns, perforation of soft tissue and death. Severe burns can occur within 2 hours of ingestion. Seek medical attention immediately.

## 05. System Information

Air Conditioner	
Model No.	
Serial No.	
The air conditioner model and serial number is situated on the access panel of the outdoor unit bottom left corner.	
Wall Controller	
Model No.	
The wall controller model number is situated in front of the wall controller.	
Installer	
Company Name	
Phone Number	
Technicians Name	

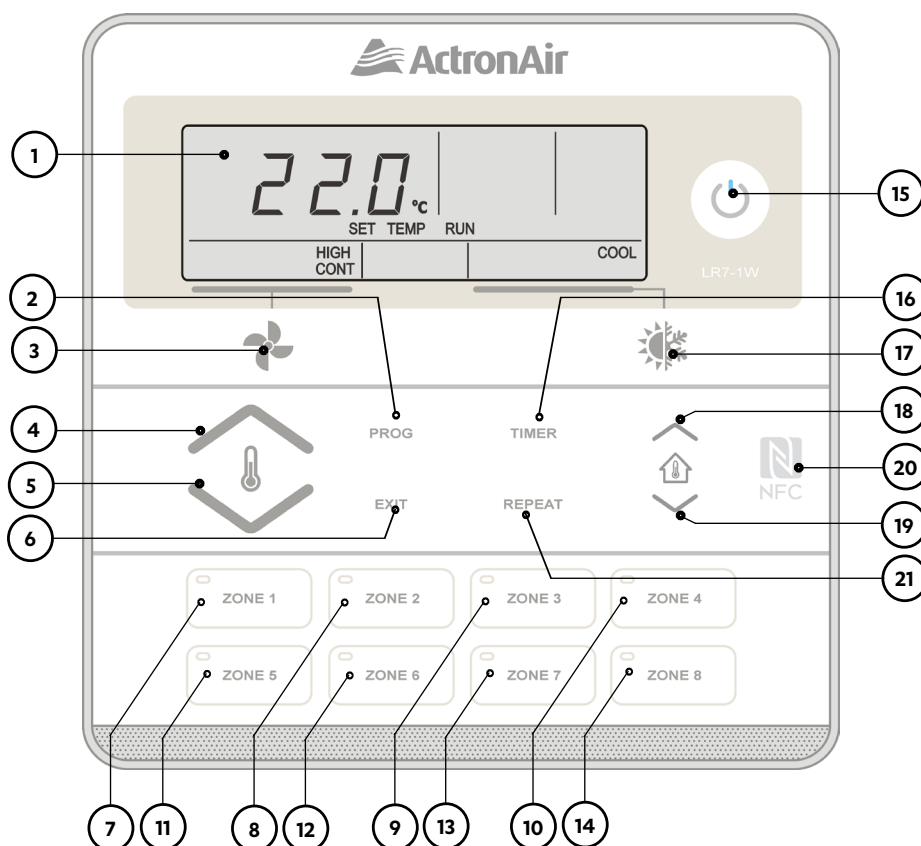
## 06. Features

<b>1</b>	<b>Auto-Restart After Power Failure</b> Should a power failure occur whilst the air conditioner is running, the wall controller will restart the air conditioner in the same mode when the power is restored, if this option is selected.
<b>2</b>	<b>Dual/Triple Wall Control Operation (Optional)</b> Up to three wall controllers can be installed on one system. This is particularly useful on larger buildings, where you can have up to three wall controllers in different locations. All connected controllers will mimic any adjustment made in one controller (restrictions apply).
<b>3</b>	<b>Room and Outside Temperature Display with One Touch</b> Press the  or  buttons and the control will change to show the outside temperature for 10 seconds. <b>Note:</b> This function is applicable to selected products only.
<b>4</b>	<b>Auto Defrost Function (Heating Mode)</b> At certain outdoor conditions (low temperature) there may be a build up of frost on the outdoor heat exchanger. This gradual build up of frost reduces the performance of the air conditioner. The system detects this frost build up and will automatically activate the defrost mode, wall controller indicates DEFROST.
<b>5</b>	<b>Hot Start Function (Heating Mode)</b> When the air conditioner starts in heating mode, the indoor fan is delayed for a short period of time, this allows the heat exchanger to warm up before the air flow starts, thus minimising cold drafts. The hot start feature also activates itself when the system finishes defrosting.
<b>6</b>	<b>Filter Clean Light</b> The system monitors the accumulated run time of the air conditioner and after a preset number of hours have expired, the FILTER indicator will flash, indicating it's time to check if filter requires cleaning.
<b>7</b>	<b>Self Diagnosis</b> In the unlikely event that a fault develops with the air conditioner the system will detect a fault and display the relevant fault code on the wall controller.
<b>8</b>	<b>Turbo Mode</b> Activates fast cooling or heating option to bring room to a desired temperature speedily and effectively

### NOTE

Some applications may require cleaning of the filter at more regular intervals.

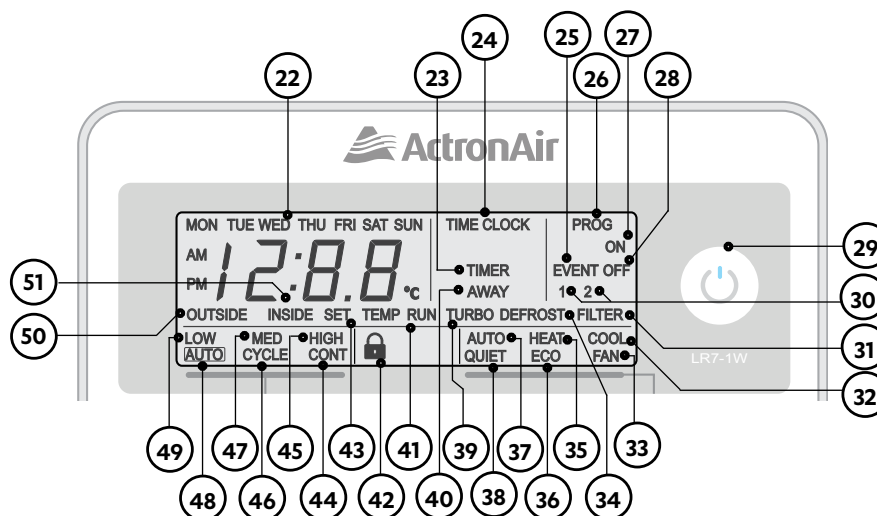
## 07. Wall Controller Functions




- |   |   |
|---|---|
| <p>① <b>LCD Display</b><br/>Displays the setting and operation conditions (See next page for details).</p> <p>② <b>Program Button*</b><br/>For setting the clock and for entering the 7-Day time clock menu.</p> <p>③ <b>Fan Control Button</b><br/>Changes auto fan speed (high, medium, low, auto**). Selects continuous and non continuous fan operation.</p> <p>④ <b>Temperature-Up Setting Button</b><br/>Increases room temperature setting.</p> <p>⑤ <b>Temperature-Down Setting Button</b><br/>Decreases room temperature setting.</p> <p>⑥ <b>Exit Button</b><br/>Quick exit from time clock programming menu.</p> <p>⑦ <b>Zone 1 Button with On/Off Indicator</b></p> <p>⑧ <b>Zone 2 Button with On/Off Indicator</b></p> <p>⑨ <b>Zone 3 Button with On/Off Indicator</b></p> <p>⑩ <b>Zone 4 Button with On/Off Indicator</b></p> | <p>⑪ <b>Zone 5 Button with On/Off Indicator</b></p> <p>⑫ <b>Zone 6 Button with On/Off Indicator</b></p> <p>⑬ <b>Zone 7 Button with On/Off Indicator</b></p> <p>⑭ <b>Zone 8 Button with On/Off Indicator</b></p> <p>⑮ <b>Power On/Off Button</b></p> <p>⑯ <b>Timer Operation Button*</b><br/>Activates timer function.</p> <p>⑰ <b>Operation Mode Button</b><br/>Selects cooling, heating, dry, auto and fan only modes.</p> <p>⑱ <b>Adjust Clock-Up Setting and Inside Room Temp. Display Button</b></p> <p>⑲ <b>Adjust Clock-Down Setting and Outside Ambient Temp. Display Button</b><br/>(Applicable to selected products only)</p> <p>⑳ <b>NFC Tag</b></p> <p>㉑ <b>Repeat / Backlight Button</b></p> <ul style="list-style-type: none"> <li>• Repeats the previous day settings to the current day.</li> <li>• Adjust and Turn On/Off Backlight.</li> </ul> |
|---|---|

\* Setting up 7-Day time clock and Timer Operation are only possible through Wall Control 1 (C-1).

\*\* Only available on Variable Fan Technology enabled Indoor models.



- (22) Day Indicator**  
Display the day of the week when the time is shown and which day is selected for programming.
- (23) Timer Indicator**  
Indicates timer is in operation.
- (24) Time Clock Indicator**
- (25) Event Indicator**  
Indicates which event of the Time clock is being set.
- (26) Prog Indicator**  
Indicates when controller is currently in Program Menu.
- (27) On Indicator**
- (28) Off Indicator**
- (29) Power On/Off Button Backlight**
- (30) 1 and 2 Indicator**  
Illuminates together with Event to show the programming event.
- (31) Filter Indicator**
- (32) Cooling Mode Indicator**
- (33) Fan-Only Indicator**
- (34) Defrost Indicator**
- (35) Heating Mode Indicator**
- (36) ECO**  
Indicates when outside air damper is selected.
- (37) Auto Mode Indicator**  
Indicates the system will automatically select heating or cooling operation.
- (38) Quiet Indicator**  
Indicates when the quiet mode is operation.
- (39) Turbo Mode Indicator**  
Indicates when the turbo mode is in operation
- (40) Away Indicator**  
Indicates that the system is operating to achieve Away Mode temperature
- (41) Run Indicator**  
Indicates the outdoor unit is in operation, flashes when on delay.
- (42) Lock Symbol**  
Shows during backlight adjustments and while using  button. In addition, when the following is enabled: Mode Lock, Fan Speed Lock, Setpoint Lock and Keypad Lock.
- (43) Set Indicator**  
Illuminates during time and time clock setting adjustments.
- (44) Continuous Indicator**  
Illuminates when the fan is set to continuous mode.
- (45) High Fan Speed Indicator**  
Illuminates when the fan is set to high speed.
- (46) Cycle Indicator**  
Illuminates during reduced airflow operation.
- (47) Medium Fan Speed Indicator**  
Illuminates when the fan is set to medium speed.
- (48) Auto Fan Speed Indicator**  
Illuminates when the fan is set to auto fan speed mode.
- (49) Low Fan Speed Indicator**  
Illuminates when the fan is set to low speed.
- (50) Outside Indicator**  
Illuminates when the outside temperature is being displayed.
- (51) Inside Indicator**  
Illuminates when the inside room temperature is being displayed.

## 08. Controller Assignment

Upon initial start up of the system, all connected LR7 controllers will display "C-0". After 3 seconds, an auto-assignment process will take place - for example, if 3 controllers had been connected to the CMI board (maximum number of controllers connected), "C-1", "C-2" and "C-3" would be assigned and displayed on the corresponding controller.

If the C-0 display did not change, check the wiring between the controller and Indoor Unit Board.

This may be caused by:

- Loose or interchanged wire connection or (between Controller and Indoor Unit Board)
- No communication between the controller and Indoor Unit Board due to faulty cable

### NOTE

In the case of disconnecting the "C-1" controller from the system, the other LR7 controllers will show an error code (E56 - No main wall controller detected). To troubleshoot this error code:

- Troubleshoot "C-1" LR7 controller - check the wiring & connection of the controller. If E56 is still being displayed on "C-2" and "C-3", connect a replacement LR7 controller. During its first power on cycle, it will auto assign itself to the vacant address.

## 09. Turning Air Conditioner On/Off

### NOTE

The air conditioning system will re-start on your last settings and operating mode e.g. 22°C set temperature, AUTO mode, HIGH fan speed.


The display will show the Set Temperature, Fan Speed, Fan Mode and Mode of Operation.

### 09.01. Turn On and Off the Air Conditioner

Press the  button once to turn On and Press the  button once again to turn Off.

### NOTE



The  button back light will illuminate when unit is turned on.

The  button back light will not be illuminated when unit is turned off.

## 10. Adjusting Set Temperature

Press either the  or  buttons to either increase or decrease the temperature correspondingly.

### NOTE

- For a WARMER room temperature, press the  button.
- For a COOLER room temperature, press the  button.
- The Set Temp is adjustable between 16°C and 30°C in 0.5°C increments.
- The Set Temp is adjustable in controller even when the system is Off.
- No Set Temp displayed during Fan-Only Mode.

## 11. Changing Operating Mode

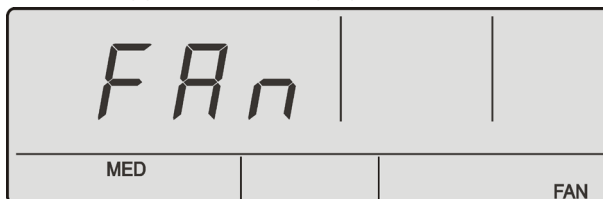
### NOTES

- Available Fan Speed are **LOW, MED, HIGH, AUTO, CONT LOW, CONT MED, CONT HIGH** and **CONT AUTO**.
- When in Fan-Only Mode **CONT LOW, CONT MED, CONT HIGH** and **CONT AUTO** will not be available.
- When the system is On, the Indoor Fan can run continuously and is indicated by the **CONT** indicator on the LCD. This is generally preferred during the Cooling Mode to ensure maximum air circulation. When set to **LOW, MED, HIGH, AUTO**, the fan will cycle with the compressor operation according to setpoint and room temperatures.
- When in **DRY** Mode, **LOW** and **CONT LOW** will be the only options available.




## 11.01. Fan-Only Operation

1. Press the  button until **FAN** appears on the display.







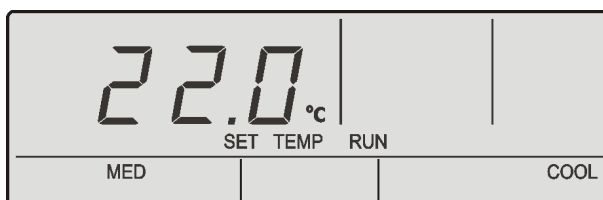
2. Adjust the Indoor Fan speed (**LOW, MED, HIGH** and **AUTO**) by pressing the  button successively until you reach the desired speed.

### NOTE





Additionally, whilst the system is Off, pressing the  button will allow Fan Only operation.

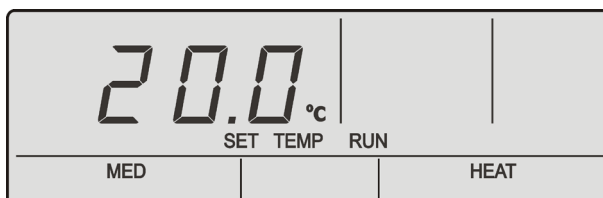
## 11.02. Cooling Operation

1. Press the  button until **COOL** appears on the display.
2. Set the desired temperature by pressing either the  or  buttons.
3. Adjust the desired Indoor Fan speed by pressing the  button. Available settings are: **LOW, MED, HIGH, AUTO, CONT LOW, CONT MED, CONT HIGH** and **CONT AUTO**.



## 11.03. Heating Operation

1. Press the  button until **HEAT** appears on the display.
2. Set the desired temperature by pressing either the  or  buttons.
3. Adjust the desired Indoor Fan speed by pressing the  button. Available settings are: **LOW, MED, HIGH, AUTO, CONT LOW, CONT MED, CONT HIGH** and **CONT AUTO**.







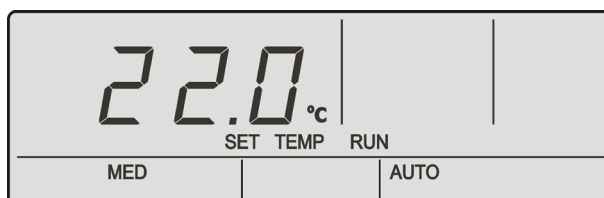
### NOTE

Setting the indoor fan speed to continuous mode can cause cool drafts when operating the system on heating mode during compressor off cycles.

## 11.04. Auto Operation





Automatically changes between cooling and heating mode.

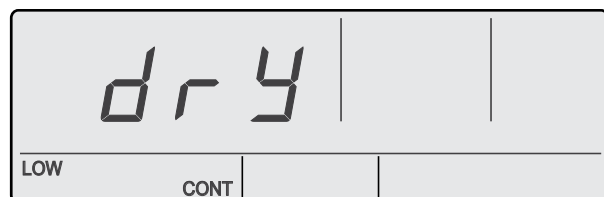
1. Press the  button until **AUTO** appears on the display.
2. Set the desired temperature by pressing either the  or  buttons.  
Adjust the desired Indoor Fan speed by pressing the  button. Available settings are: **LOW, MED, HIGH, AUTO, CONT LOW, CONT MED, CONT HIGH** and **CONT AUTO**.



## 11.05. Dry Operation

Automatically changes to cooling mode and fan speed to Low.

1. Press the  button until **drY** appears on the display.
2. Set the desired temperature by pressing the  or  buttons.
3. Adjust the desired Indoor Fan speed by pressing the  button. Available settings are: **LOW** and **CONT LOW**




### NOTE

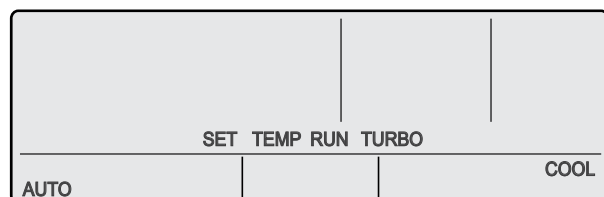
In Dry Mode, the system uses the indoor coil temperature as the primary control parameter to optimize dehumidification, while the room temperature set point functions as a secondary control reference. The coil temperature is maintained within a defined range to enhance moisture removal, but the compressor ultimately cycles ON and OFF in response to the room temperature set point.

## 11.06. Turbo Mode (available on Inverter models only)

In cases where the room temperature is too hot or too cold, the Turbo Mode offers the option to cool or heat the space quickly and effectively for a span of 30 minutes. After 30 minutes, it switches back to the previous settings. The customer may reactivate the Turbo Mode again if they wish to do so.

### Turn On Turbo Mode

1. Press the  button for 3 seconds to activate the **TURBO** mode.
2. Fan speed will be displayed as **AUTO**



### Turn Off Turbo Mode

There are three (3) ways to exit the Turbo mode.

1. Press the **MODE** button for 3 seconds.
2. Press the **ON/OFF** button.
3. Turbo mode will automatically turn off after 30 minutes.

## 12. Timer Operation

### NOTE

Setting up the timer operation can only be made via Wall Control 1 (**C-1**). When you press **TIMER** button on Wall Control 2 or 3, it will show **C-2** or **C-3** on the display. This is to indicate that the wall control is not the **C-1** wall control, and setting up the timer is not possible.

### 12.01. OFF Timer

1. Press the **TIMER** button to enter the timer menu.

### NOTE

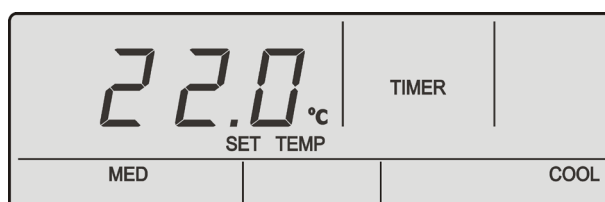
The system's status must be On to set an OFF Timer.



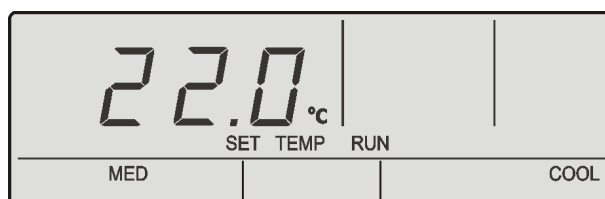
2. Press the or buttons to select the desired time for the system to remain operating before turning Off. The maximum adjustable timer hours are 24 with 0.5 hour (30 minute) adjustable increments.



3. 3 seconds after the last press of the / buttons or simply press **TIMER**, the display will go back to the main screen and the OFF Timer countdown will start. The unit will turn Off after the timer has expired.



4. If a timer is active, **TIMER** indicator will be displayed. To cancel the OFF Timer, press the button and the **TIMER** indicator will disappear.





## 12.02. ON Timer

1. Press the **TIMER** button to enter timer menu.



### NOTE

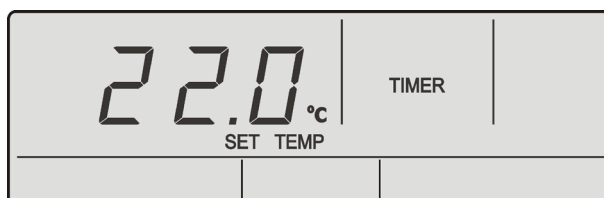
The system's status must be Off to set an ON Timer.




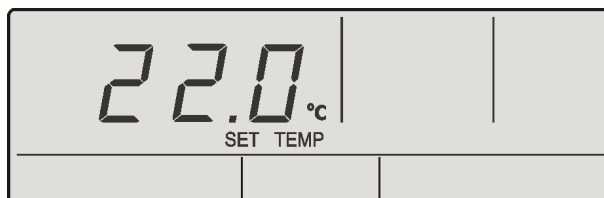
2. Press the  or  buttons to select the desired time for the system to turn On.  
The maximum adjustable timer hours are 24 with 0.5 hour (30 minute) adjustable increments.



3. 3 seconds after the last press of the  or  buttons or simply press **TIMER**, the display will go back to the main screen and the ON Timer countdown will start. The unit will turn On after the timer has expired.








4. To cancel the ON Timer, press the  button.



## 13. Backlight Function


### 13.01. LCD Backlight Level Adjustment

1. Press and continue to hold the **REPEAT** button.
2. Press the  or  buttons to adjust the backlight level as follows:
  - To brighten the backlight, press the  button.
  - To dim the backlight, press the  button.
3. Release the buttons at the desired level of LCD brightness. The  symbol will appear for 3 seconds showing that the backlight level is set.

### 13.02. Permanently Turn On LCD Backlight


#### NOTE

By default, the LCD Backlight is programmed to turn Off 15 seconds after a button has been last pressed.





1. Press and hold the **REPEAT** button for 4 seconds.
2. When the  symbol appears, release the **REPEAT** button and the backlight will remain illuminated.
3. To return to default settings, repeat steps 1 and 2.

### 13.03. ON/OFF Button Backlight





#### NOTE

The Wall Controller status must be On before operating this procedure. By default, the  button backlight is On.

#### 13.03.01. Turn On the ON/OFF Button Backlight

1. Press and hold the **REPEAT** button.
2. Press and release the  button, along with the **REPEAT** button.
3. The  symbol will appear for 3 seconds showing that the  button backlight is set.  backlight will remain lit.

#### 13.03.02. Turn Off the ON/OFF Backlight

1. Press and hold the **REPEAT** button.
2. Press and release the  button, along with the **REPEAT** button.
3. The  symbol will appear for 3 seconds showing that the  backlight is set. The  backlight will turn Off.

## 14. Program Menu

### NOTE

- The Program Menu has a 60 second inactive time out, once expired, display will return to the home screen.
- Program Menu **01** (7-Day Programmable Function), **02** (Clock) and **03** (Away Mode) can only be set via Wall Control 1 (**C-1**). Wall Control 2 and 2 (**C2** and **C3**) will skip these Menu and directly proceed to Menu **04**.

### 14.01. 7-Day Programmable Function

#### 14.01.01. Time Clock Operation

### NOTE

- The 7-Day Time Clock feature of the LR7 controller allows you to set the air conditioning system to Turn On and Turn Off at different times for each day of the week.
- Each day can have 2-Programmed Events.
- Each event has an On and Off time.
- Ensure that the current day and time are set correctly before proceeding with programming.
- To reset any scheduled time clock events, press and hold the **MODE + PROG** button for 3 seconds.

#### 14.01.02. Example of Time Clock Operation

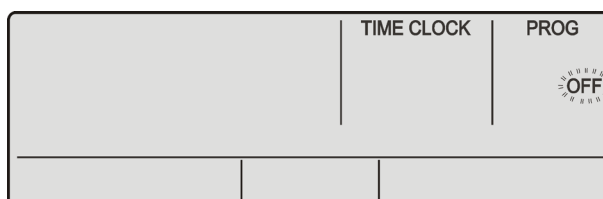
		MON	TUE	WED	THU	FRI	SAT	SUN
EVENT 1	ON TIME	6:00am	6:00am	6:00am	6:00am	6:00am	7:00am	8:00am
	OFF TIME	10:00am	10:00am	10:00am	10:00am	10:00am	9:00am	11:00am
EVENT 2	ON TIME	4:00pm	4:00pm	4:00pm	4:00pm	1:00pm	-:-	-:-
	OFF TIME	10:00pm	10:00pm	10:00pm	10:00pm	11:00pm	-:-	-:-


#### 14.01.03. Activating the 7-Day Time Clock

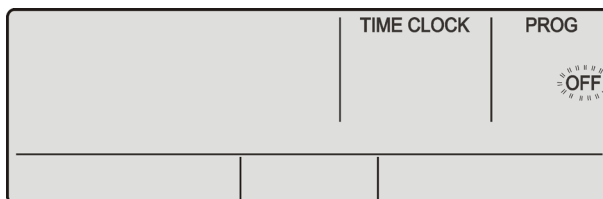
- Press the **PROG** button to enter program Menu. **TIME CLOCK** and **PROG** indicators will be illuminated in the screen.



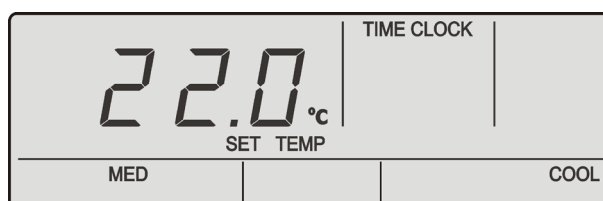
- Press the **PROG** button to enter the time clock menu. By default, Time Clock program is Off. **TIME CLOCK** and **PROG** indicators are still illuminated. **OFF** indicator will be flashing in the screen.



- Press the  button to scroll from **OFF** to **ON**.



- Press the **PROG** button to accept the selection and re-activate the time clock.
- Press the **EXIT** button twice to go back to main display screen. **TIME CLOCK** indicator will re-appear in the screen, indicating that the Time Clock has been reactivated.

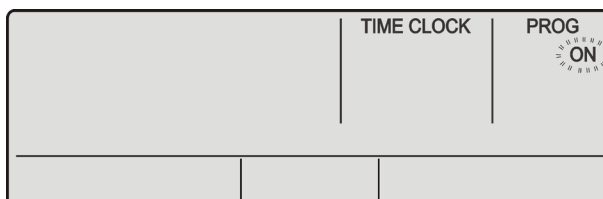


## 14.01.04. Setting the Programmable Time Clock

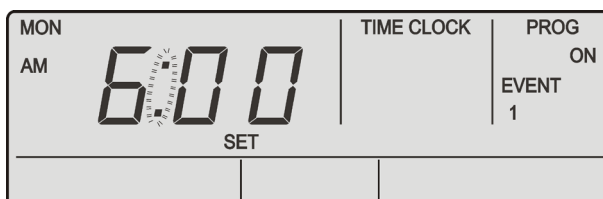
- Press the **PROG** button to enter program Menu. **TIME CLOCK** and **PROG** indicators will be illuminated in the screen.




- Press the **PROG** button to enter the time clock menu. Time Clock program is currently On. **TIME CLOCK** and **PROG** indicators are still illuminated. **ON** indicator will be flashing in the screen.




- Press the **PROG** button (**ON** is selected) to program time clock. **TIME CLOCK**, **PROG**, **ON**, **EVENT 1**, **MON** and **SET** indicators and Time Fields will be shown in the screen. You can now set the Event 1 On time for Monday.

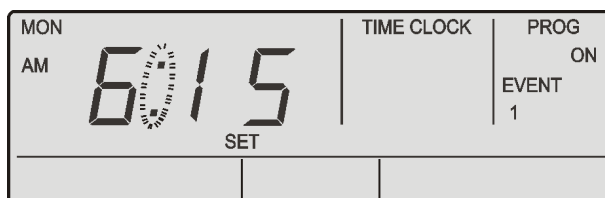




## NOTE

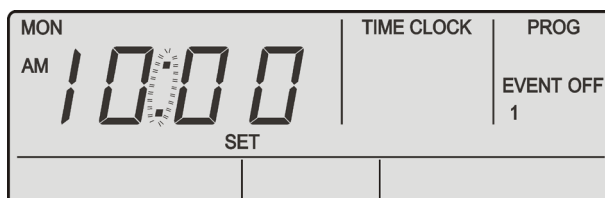
Pressing the  button will enable or disable the Time Clock program.

### Example:

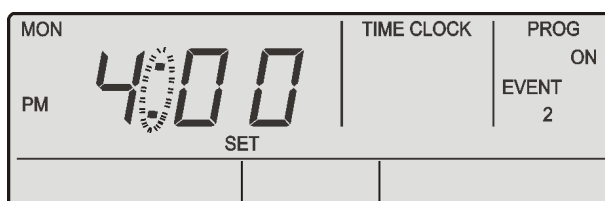
Press the  button to adjust the time in 15 minutes increments. **AM** and **PM** will toggle after the 12th Hour.



- Press the **PROG** button to move to Event 1 Off time. Press the  or  buttons to adjust the time in 15 minutes increments.



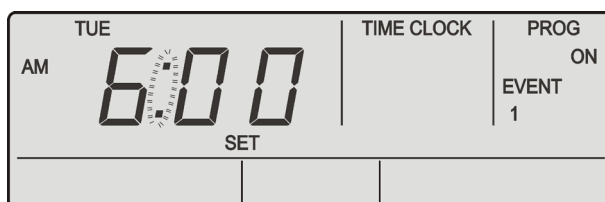
- Press the **PROG** button to move to Event 2 On time. Repeat Step 4 to program Event 2 On and Off time.



## NOTE

Press the **EXIT** button at any time if no further changes to later Days/Events are required.

- Press the **PROG** button to move onto Event 1 On time of following day, **TUE**.

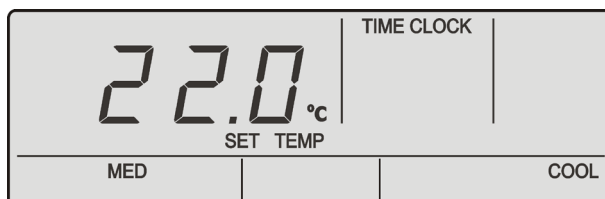




- Repeat the above steps until you have programmed all the events you require. Otherwise, press the **EXIT** button twice to exit Program Menu. **TIME CLOCK** display will show on the screen to indicate that it is active.

## NOTE

If a button has not been pressed after 60 seconds the controller will exit the Time Clock program menu and return to the home screen. During a power failure, the controller will retain the time and time clock settings.



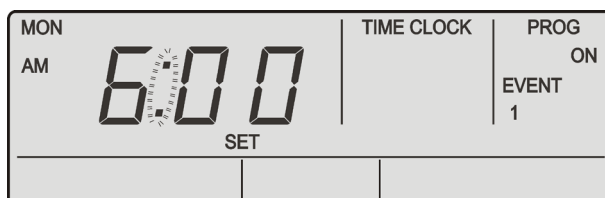
## 14.01.05. Repeating a Day's Events and Times

This feature allows you to automatically repeat the previous days, events, and times, into the succeeding days.

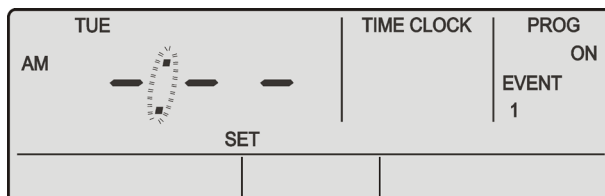
- Proceed to the day you wish to copy the programmed events and times. See Programming the Events from previous page. **SET**, **EVENT 1**, **TIME CLOCK** and **ON** will be illuminated in the screen.

## NOTE

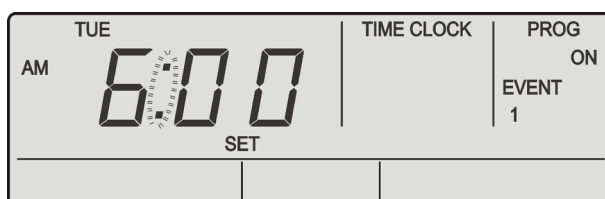
For this example, events from Monday will be repeated on Tuesday. Repeat function can only be applied to the succeeding day with programmed events.



- Press the **PROG** button until you reach the succeeding day, **TUE**, to paste the copied programmed events and times.



- Press the **REPEAT** button.



- You have now copied the previous day's events into the current day displayed. Repeat Steps 2 and 3 above for the remaining days where you wish to repeat the programmed events and times.

## 14.01.06. Programming Past Midnight

### NOTE

- Event On times can be set up to 11:45 PM of the current day.
- Event Off times can be set to the following day up to 23 hours and 45 minutes after the On time.
- If you program Event 1 past midnight, Event 2 will be automatically cancelled.

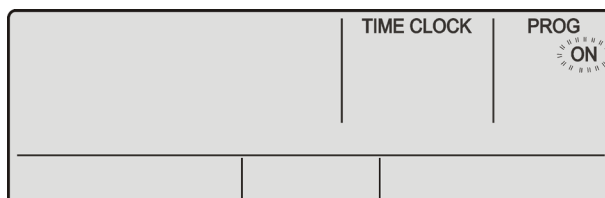
## 14.01.07. Cancelling an Individual Event

In the following example, Event 1 of Tuesday will be cancelled.

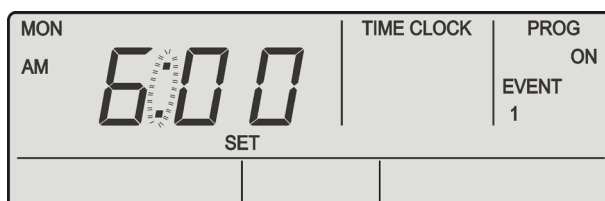
- Press the **PROG** button to enter program Menu. **TIME CLOCK** and **PROG** indicators will be illuminated in the screen.



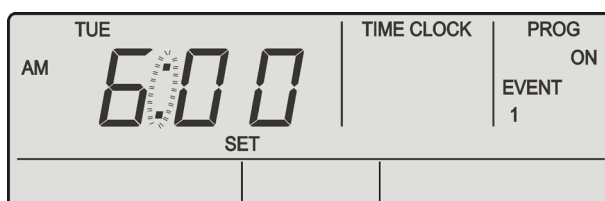
- Press the **PROG** button to enter the time clock menu. **TIME CLOCK** and **PROG** indicators are still illuminated. **ON** indicator will be flashing in the screen.




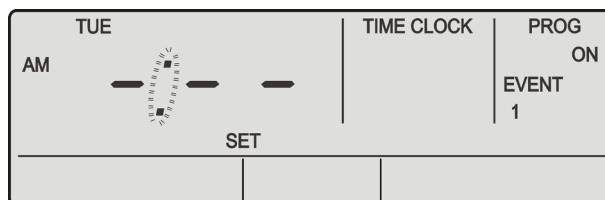
- Press the **PROG** button (**ON** is selected) to program time clock. **TIME CLOCK**, **PROG**, **ON**, **EVENT 1**, **MON** and **SET** indicators and time fields will be shown in the screen. You can now set the Event 1 ON time for Monday.



- Continue pressing the **PROG** button to get to the desired event to cancel.



- Press the  button to delete Tuesday's event. **---** will be displayed indicating the event is cancelled.



- Repeat above process to repeat other days event otherwise, press the **EXIT** button twice to exit Program Menu.

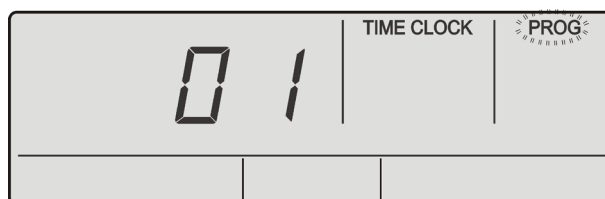
## NOTE

Cancelling Event 1 will cancel both Event 1 and Event 2.  
Cancelling Event 2 will only cancel Event 2.

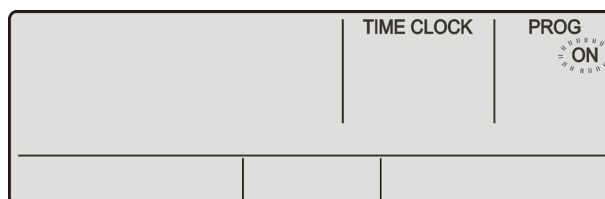
### 14.01.08. Re-activating an Individual Event

In the following example, Event 1 of Tuesday will be re-activated.

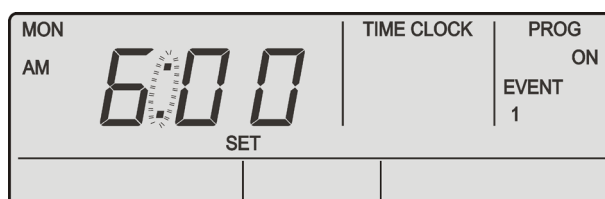
- Press the **PROG** button to enter program Menu . **TIME CLOCK** and **PROG** indicators will be illuminated in the screen.



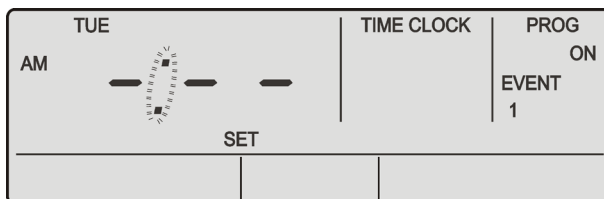
- Press the **PROG** button to enter the time clock menu. Time Clock program is currently **ON**. **TIME CLOCK** and **PROG** indicators will still be illuminated, with the **ON** indicator flashing.




- Press the **PROG** button (**ON** is selected) to program time clock. **TIME CLOCK**, **PROG**, **ON**, **EVENT 1**, **MON** and **SET** indicators and time fields will be shown in the screen. You can now set the Event 1 On time for Monday.



- Continue pressing the **PROG** button to get to desired event to re-activate.



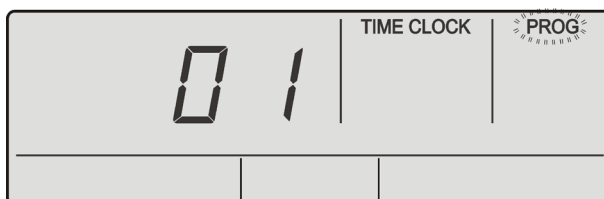
- Press the  button to re-activate Tuesday's event. The event's On time will be displayed indicating the event is re-activated.



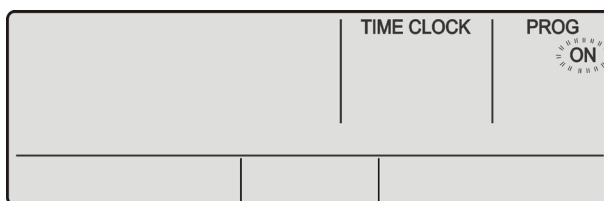
- Press the **EXIT** button twice to exit Program Menu.

## 14.01.09. De-activating the 7-Day Time Clock

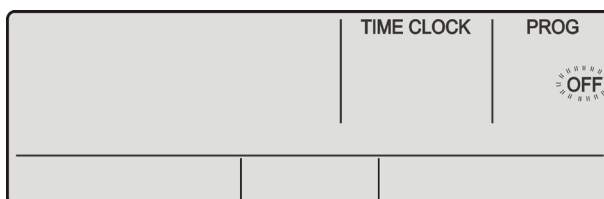
- Press the **PROG** button to enter program Menu. **TIME CLOCK** and **PROG** indicators will be illuminated in the screen.



- Press the **PROG** button to enter the time clock menu. Time Clock program is currently **ON**. **TIME CLOCK** and **PROG** indicators are still illuminated. **ON** indicator will be flashing in the screen.



- Press the  button to scroll through from **ON** to **OFF**.





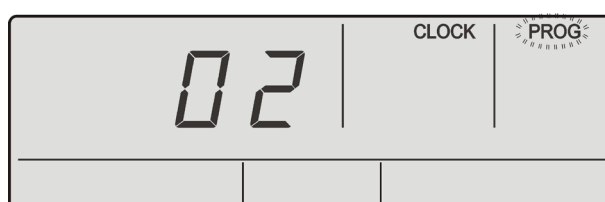
- Press the **PROG** button to accept the selection and de-activate time clock, then press the **EXIT** button once. **TIME CLOCK** indicators will disappear from main screen, indicating that the Time clock has been de-activated.

## 14.02. Setting the Clock

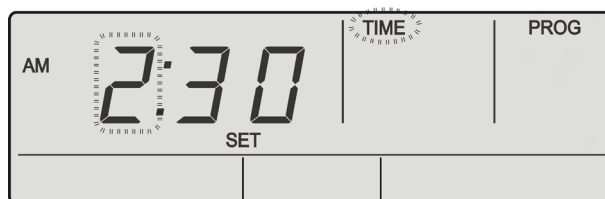
1. Press the **PROG** button to enter program Menu




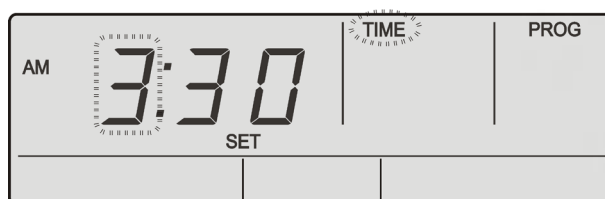
2. Press the  or  buttons to navigate to Program Menu 02.



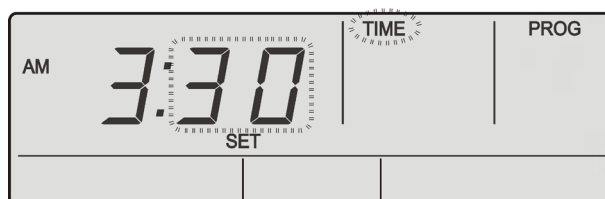
3. Press the **PROG** button to enter Program Menu 02. Display will show clock display. Hour field and **TIME** is blinking.



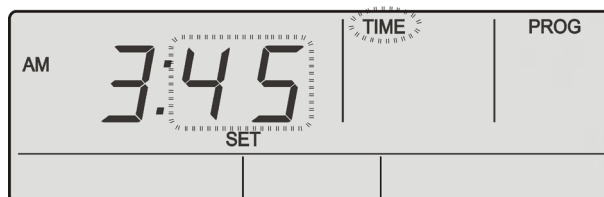
4. Press the  or  buttons to adjust the Hour. **AM / PM** will adjust after the 12th hour.



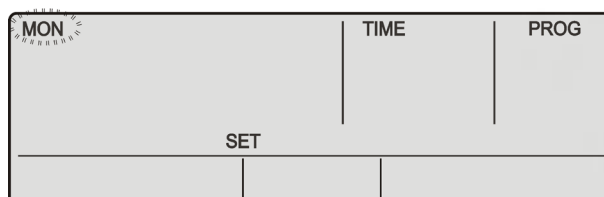
5. Press the **PROG** button to accept the desired hour. Minute field will start blinking.



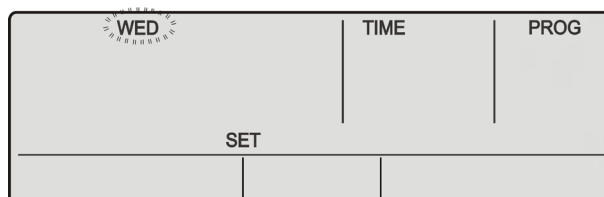
6. Press the  or  buttons to adjust the Minutes.



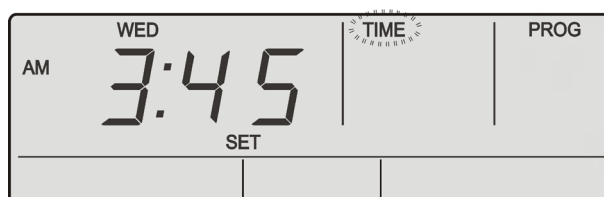
7. Press the **PROG** button to accept the desired minutes. Day field will start blinking. Day indicator will be flashing, i.e. **MON**.



8. Press the  or  buttons to adjust the Day.



9. Press the **PROG** button to accept the desired Day. Screen will show the final selected time and day.



10. Press the **EXIT** button twice to go back to Main Screen.

## 14.03. Away Mode

Normally, the air conditioning system is turned off during unoccupied conditions, which can result in the building temperature becoming quite hot (e.g. 30°C) or quite cold (e.g. 12°C). When the air conditioning system is turned on, it can take a long time to achieve a comfortable temperature (e.g., 23°C).

The Away Mode will maintain the building temperature at a pre-defined and reasonable temperature closer to the chosen set temperature (The factory default Away heating temperature is set at 20°C and the cooling temperature is set at 28°C. These settings can be changed via the Away menu). This gives you a big head start in achieving your comfortable temperature.

The air conditioning system must be Turned Off before performing the below procedures.



### 14.03.01. Activating the Away Mode

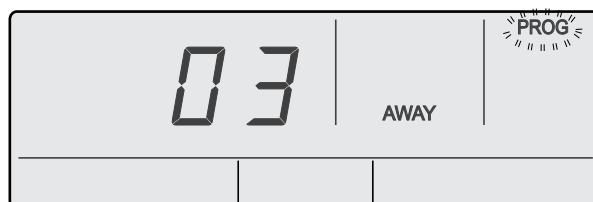
#### NOTE

Activating Away Mode may cause unit to operate even if the LR7 Wall controller is Off. Please proceed with activating the Away Mode if you understand the purpose and operating parameters. For further enquires, please contact ActronAir Technical Support on 1800 119 229.

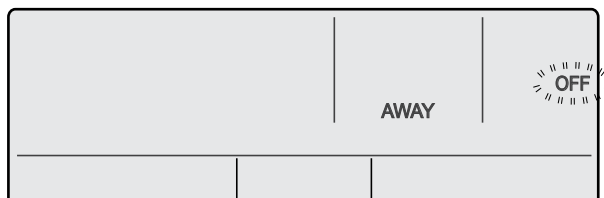
1. Press the **PROG** button to enter program Menu.



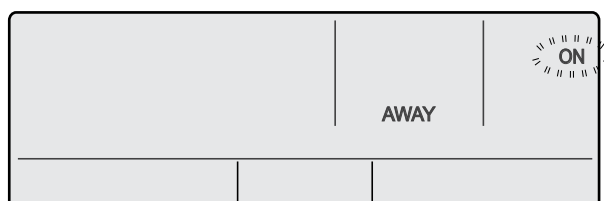
2. Press the  or  buttons to navigate to Program Menu 03.



3. Press the **PROG** button to enter Program Menu 03. Display will show **AWAY** indicator and **OFF** field is blinking.



4. Press the  or  buttons to scroll from **OFF** to **ON**.



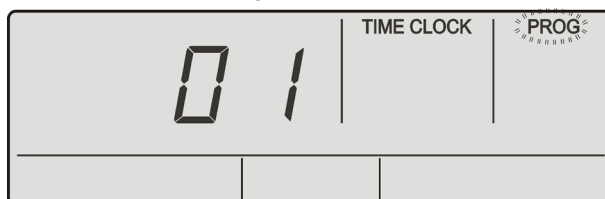
5. Press the **PROG** button to confirm the selection.
6. Press the **EXIT** button thrice to go back to Main Screen.

## 14.03.02. Setting Temperature in Away Mode

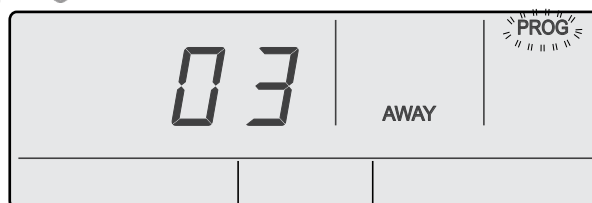
### NOTE

The Away Mode Cool to and Heat to limits can only be adjusted from the Away Mode menu. In the occurrence of when the unit's setpoint (prior to Away operation) is below the Heat to limit or higher than the Cool to limit, the unit's setpoint will automatically become the new Away limit.

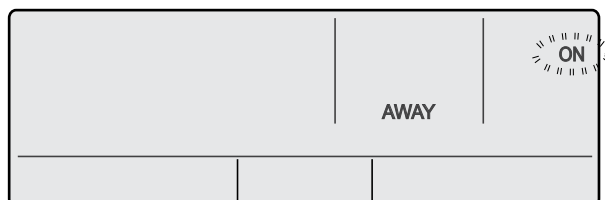
1. Press the **PROG** button to enter program Menu



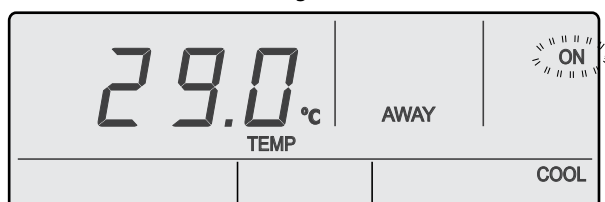
2. Press the  or  buttons to navigate to Program Menu 03.





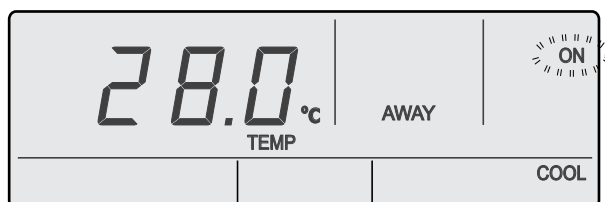
3. Press the **PROG** button to enter Program Menu 03. Display will show **AWAY** indicator and **ON** field is blinking.



4. Press the **PROG** button to enter On Program Menu.

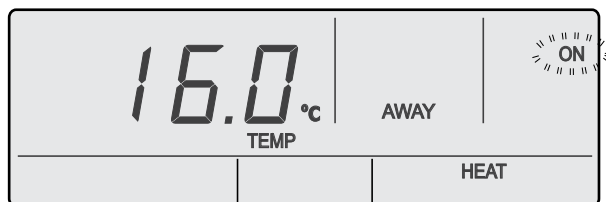




5. Press the  or  buttons to change the **COOL** away temperature.

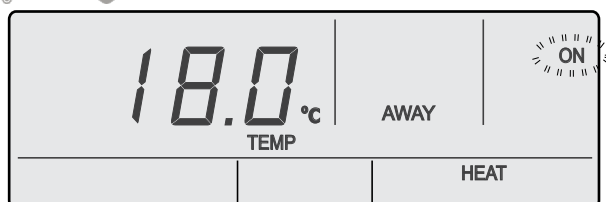




- Press the **PROG** button to accept **COOL** Away temperature. Next screen will show **HEAT** away temperature adjustment.



- Press the  or  buttons to change the **HEAT** away temperature.

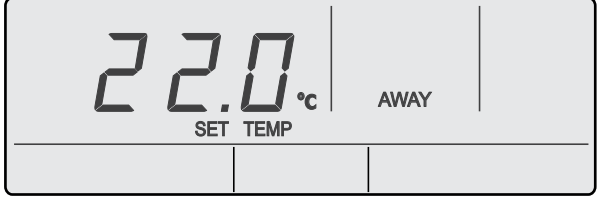
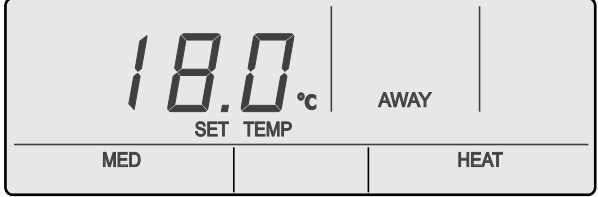
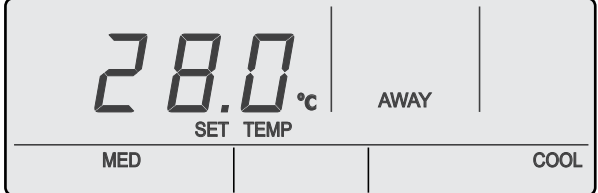


- Press the **PROG** button to accept **HEAT** away temperature.
- Press the **EXIT** button once to go back to the Main Screen.


### 14.03.03. Temperature Away Screens

Tabulated below are the different screens that are displayed on the LR7 during Away Mode operation.

- $H_{Away}$  - Heat To Away limit
- $C_{Away}$  - Cool To Away limit
- $U_{Away}$  - Unit Away prior to unit turned off
- $R_{temp}$  - Room Temperature

Case	Temperature Displayed	Mode of Operation	LR7 Display
$H_{Away} \leq R_{temp} \leq C_{Away}$	$U_{setpoint}$	Off	
$R_{temp} < H_{Away}$	$H_{Away}$	Heating	
$R_{temp} > C_{Away}$	$C_{Away}$	Cooling	



#### NOTES

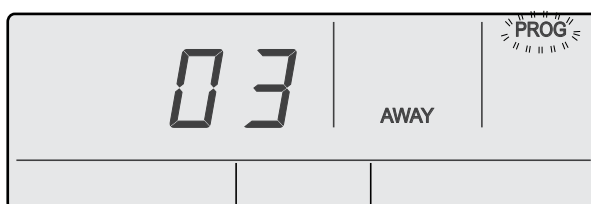
- Indoor fan speed will operate to last setting.
- The  button backlight is always off under the away mode when operation mode is heat or cool.

## 14.03.04. De-Activating the Temperature Away

1. Press the **PROG** button to enter program Menu



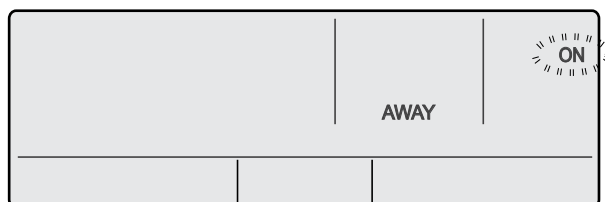
2. Press the  or  buttons to navigate to Program Menu 03.



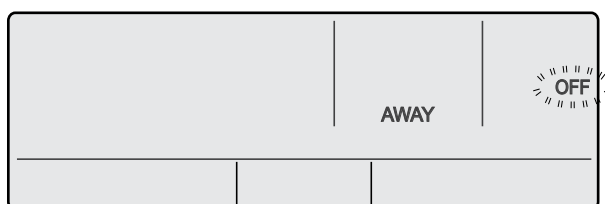
3. Press the **PROG** button to enter Program Menu 03.

### NOTE

Display will show away display. **ON** field is blinking.



4. Press the  or  buttons to toggle from **ON** to **OFF**.



5. Press the **PROG** button to confirm the selection.
6. Press the **EXIT** button once to go back to Main Screen.

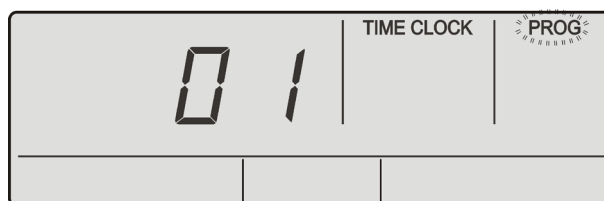
## 14.04. Mode Lock



### 14.04.01. Activating Mode Lock

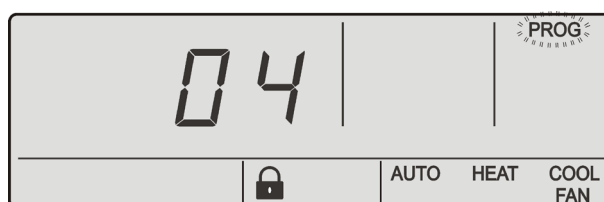
#### NOTE

- Mode Lock will prevent user from changing the mode of operation based on previous mode being used.
- Mode Lock may be set independently on each wall controller connected.

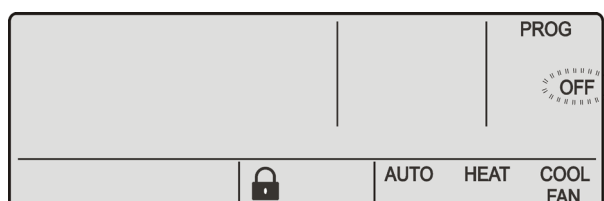
1. Ensure that the controller is set to the mode you wished to lock to.
2. Press the **PROG** button to enter program Menu.



3. Press the  or  buttons to navigate to Program Menu 04.



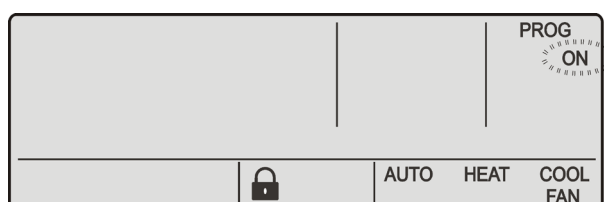
4. Press the **PROG** button to enter Program Menu 04.



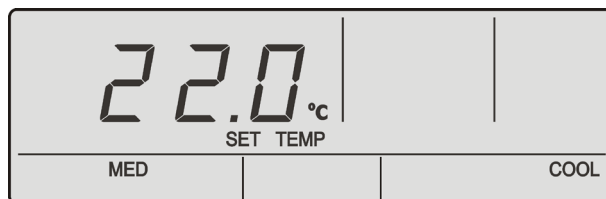
#### NOTE



Mode lock is Off by default.

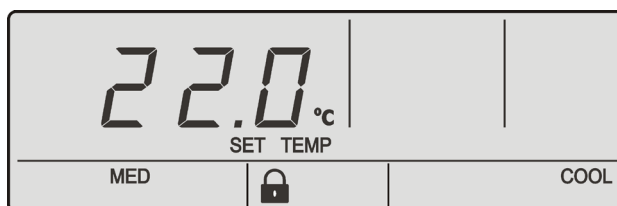
5. Press the  or  buttons to turn the Mode lock **ON**.



- Press the **PROG** button to accept the selection. Press the **EXIT** button once to go back to the Main Screen.



- When the  button is pressed. The  symbol will appear for 3 seconds and user won't be able to change mode.



## NOTE

To disable Mode Lock, follow the same steps above. However, in step 5 select **OFF**.

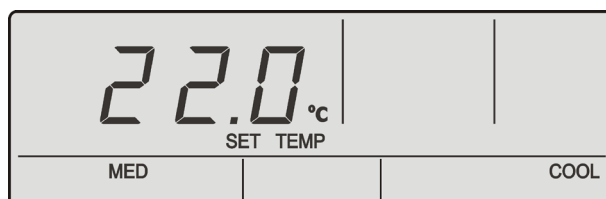
## 14.05. Setpoint Lock

### 14.05.01. Activating Setpoint Lock

## NOTE



- Setpoint Lock will prevent user from changing the setpoint on wall controller.
- Setpoint Lock may be set independently on each wall controller connected.

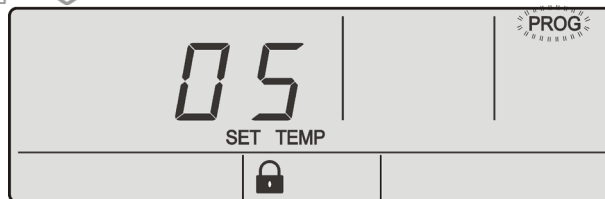
- Set the setpoint based on the desired target temperature.



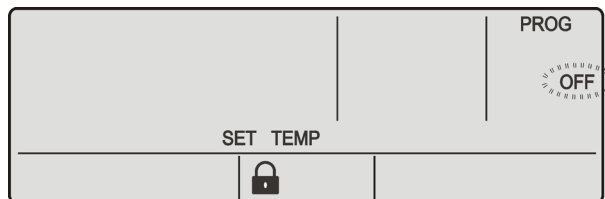
- Press the **PROG** button to enter program Menu.



3. Press the  or  buttons to navigate to Program Menu 05.





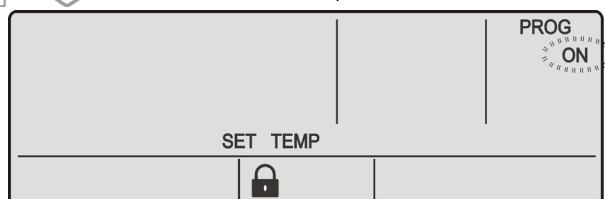
4. Press the **PROG** button to enter Program Menu 05.



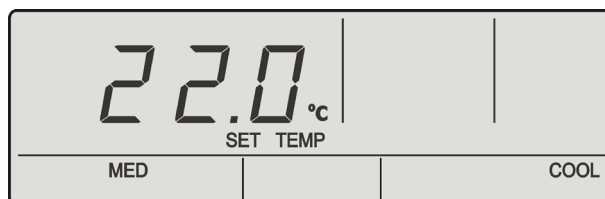
## NOTE

Setpoint lock is Off by default.

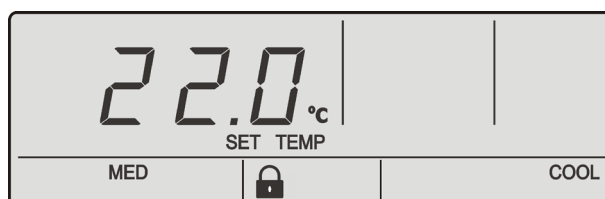
5. Press the  or  buttons to turn the setpoint lock **ON**.



6. Press the **PROG** button to accept the selection.  
7. Press the **EXIT** button once to go back to main Screen



8. When the  or  buttons is pressed. The  symbol will appear for 3 seconds and user won't be able to change set temp.



## NOTE

To disable Setpoint Lock, follow same steps above. However, in step 5 select **OFF**.

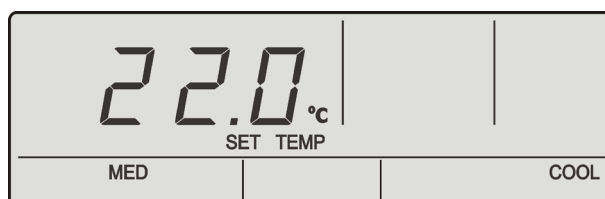
## 14.06. Fan Speed Lock

### 14.06.01. Activating Fan Speed Lock

#### NOTE



- Fan Speed Lock will prevent user from changing the fan speed on wall controller.
- Fan Speed Lock may be set independently on each wall controller connected.

1. Set the required fan speed you wish to lock.



2. Press the **PROG** button to enter program Menu



3. Press the  or  buttons to navigate to Program Menu 06.



4. Press the **PROG** button to enter Program Menu 06.



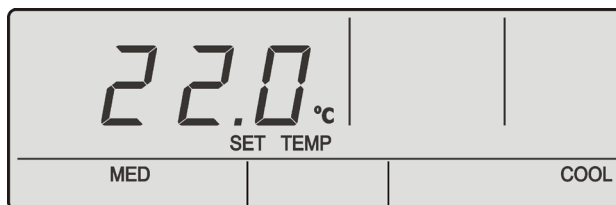
#### NOTE



Fan speed lock is Off by default.

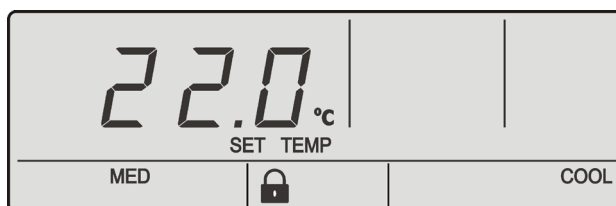
- Press the  or  buttons to turn the fan lock **ON**.



- Press the **PROG** button to accept the selection.
- Press the **EXIT** button once to go back to the main Screen



- When the  button is pressed, the  symbol will appear for 3 seconds and user won't be able to change fan speed.



## NOTE

To disable Fan Speed Lock, follow same steps above. However, in step 5 select **OFF**.

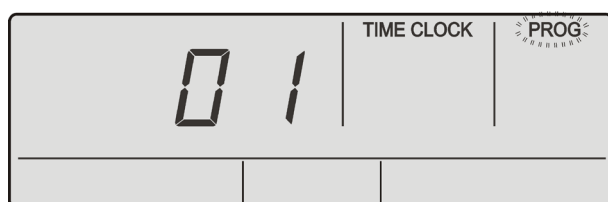
## 14.07. Keypad Lock



### 14.07.01. Activating Keypad Lock

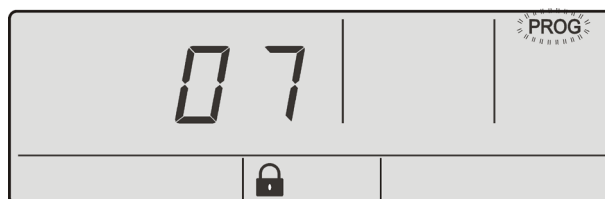
#### NOTE

- Keypad Lock will prevent user from changing the setpoint on wall controller.
- Keypad Lock may be set independently on each wall controller connected.

- Press the **PROG** button to enter program Menu



- Press the  or  buttons to navigate to Program Menu 07.



- Press the **PROG** button to enter Program Menu 07.



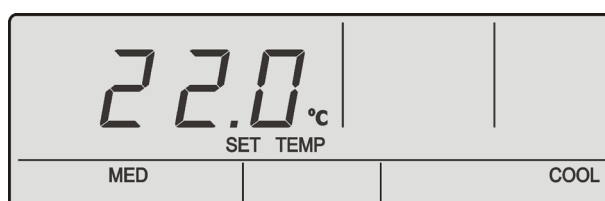
## NOTE

Keypad lock is Off by default.

- Press the  or  buttons to turn the Keypad lock **ON**.



- Press the **PROG** button to accept the selection.
- Press the **EXIT** button once to go back to the main Screen



- When any button is pressed (EXCEPT **PROG** and  or ) , the  symbol will appear for 3 seconds and user won't be able to access any of those buttons.

## NOTE

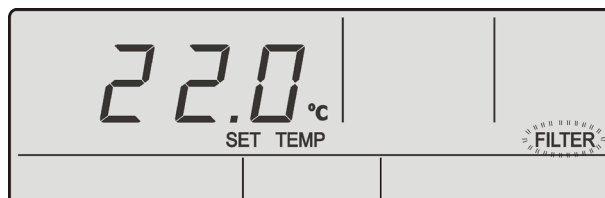
To disable Keypad Lock, follow same steps above. However, in step 5 select **OFF**.




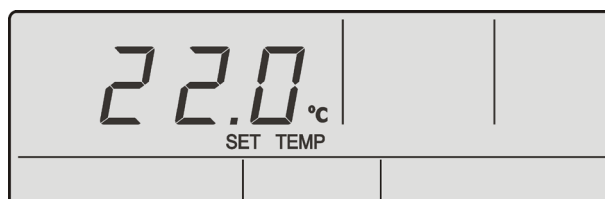
## 15. Filter Timer

### 15.01. Reset Filter Timer

1. Screen flashes **FILTER** when timer expires.



2. After cleaning the filter, press the  button to reset the timer. Flashing **FILTER** display will disappear.




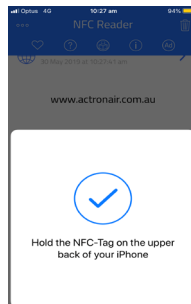
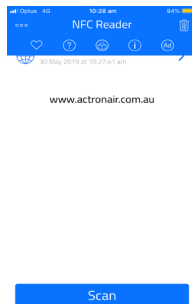


## 16. Near Field Communication (NFC) Tag

LR7 is NFC capable that allows the user to view and download the user manual. There are a wide variety of NFC reader Apps, below is an example of one App that can be used.

### 16.01. iOS Users

**Note:** Images may vary from those shown below.

<p>1. Go to App Store and download <b>NFC Reader for iPhone.</b></p> 	<p>2. Open NFC App. Read through NFC App Information and Click on <b>Let's get started.</b></p> 	<p>3. Place the mobile device close to <b>NFC Tag</b> on the controller. Follow the instructions on App.</p> 
<p>4. Once the tag has successfully scanned the image below will appear.</p> 	<p>5. A pop-up window will appear to redirect you to <a href="https://www.actronair.com.au/nfc">https://www.actronair.com.au/nfc</a></p> 	

6. List of Controller Models will appear on the screen of your mobile device.

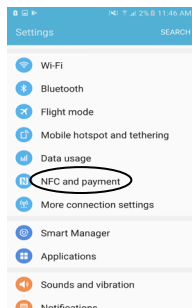
Select the model number of your controller to view the operation manual.

**Note:** The Model number of your controller can be found underneath the Power On/Off button of the controller.

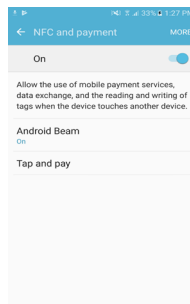
## 16.02. Android Users

**Note:** Images may vary from those shown below.

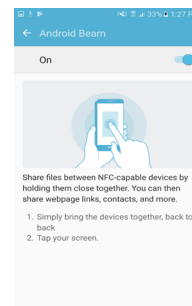
1. Go to **Settings** and look for **NFC and payment**. Tap **ON** to activate NFC.



2. Tap **Android Beam**



3. Follow the on-screen instructions.



4. Once successfully scanned, a pop-up window will appear to redirect you to external website.  
<https://www.actronair.com.au/nfc>

5. List of Controller Models will appear on the screen of your mobile device.  
Select the model number of your controller to view the operation manual.

### Notes:

1. The Model number of your controller can be found underneath the Power On/Off button of the controller.
2. Manuals can also be accessed without NFC by entering [www.actronair.com.au/nfc](https://www.actronair.com.au/nfc) into any web browser.



©Copyright 2019 Actron Engineering Pty Limited ABN 34 002767240. ®Registered Trade Marks of Actron Engineering Pty Limited. ActronAir is constantly seeking ways to improve the design of its products, therefore specifications are subject to change without notice.

# AIRES



Revel in quality and  
comfort all year round.



[actronair.com.au](http://actronair.com.au)





## Because Australia needs **Australian air conditioning.**

Ah, the nostalgic year of 1984—'Advance Australia Fair' became our National Anthem, the beloved one-dollar coin started circulating, and a small family air conditioning business opened its doors.

Fast forward to today, and ActronAir stands tall as an example of Australian excellence, renowned for creating air conditioners that are truly in a class apart. And why wouldn't we be? After all, our passionate team at ActronAir lives and breathes the very same harsh Australian conditions that put our air conditioning to the test.

Our climate has a knack for throwing challenges at us that others simply can't fathom. That's why ActronAir's engineers have taken up the challenge, developing the most advanced air conditioning systems specifically crafted to conquer the unique demands of our harsh Australian environment.

# DESIGNED.

Millions of Aussies  
take comfort  
in **ActronAir.**

## Live better all year round with **AIRES** comfort

**AIRES** air conditioners are specifically made for Australian weather conditions, which can exceed temperatures of 46°C. Unlike most overseas air conditioners with a maximum operating temperature range of 43°C to 46°C, AIRES units operate up to 50°C.\*

Its control and zoning options are designed to support the way Australians truly live, delivering enhanced comfort and energy savings. Revel in quality and comfort all year round and experience the peace of mind that comes with a dependable and efficient comfort solution.

\*Operating range based on air temperature entering the outdoor unit heat exchanger.





# FEATURES.

## Better together with Unity IQ.

**AIRES** seamlessly integrates with our locally designed and manufactured control systems, featuring advanced **Unity IQ** control logic. This harmonious combination ensures that every component within the system operates in perfect synergy, delivering the precise comfort you desire.



## Australian Made Comfort



Experience the peace of mind that comes with Australian-made controls and a thoughtfully designed indoor unit, complete with zoning designed for how Australians truly live.

## Quiet Operation

Comfort comes not only in how you feel but also in what you hear, or with the **AIRES**, what you don't hear. Using the latest technologies such as variable speed DC Inverters, modulating DC outdoor fans, and smooth operating EC indoor fans, the **AIRES** has been designed with your noise comfort in mind.

## Enhanced Performance

With its DC inverter technology, which allows its compressor to modulate, the **AIRES** system is able to deliver smooth capacity transitions to meet your heating and cooling demands.

## Energy Efficient

Maintain comfort without breaking the bank. Using inverter technology, the **AIRES** system will automatically adjust its capacity to provide only the conditioning that is required, thereby reducing your running costs.



Single Fan Configuration 10kW and 13kW

## R32 Refrigerant

ActronAir is environmentally aware and considers the potential impact and cost-effectiveness of the refrigerants it uses. That's why **AIRES** utilises R32, with a substantially lower Global Warming Potential than some alternative refrigerants, while enjoying the benefits of optimised energy efficiency.

## Compact Space Saving Outdoor Unit

The **AIRES** outdoor unit features a sleek and compact design that provides you with the flexibility to install it in a range of locations. Save valuable space while enjoying powerful cooling and heating.





## Achieve comfort and efficiency

By implementing zoning in your home's air conditioning system, you gain greater control over your comfort and energy expenses. Zoning involves dividing your living space into smaller areas that can be independently turned on or off.

## Flexible Efficient Zoning

At ActronAir, we recognise that each home is unique, whether it has an open-plan living area or a private work-from-home space. That's why our **AIRES** control and zoning solutions are incredibly flexible, supporting a wide range of applications to deliver the comfort and efficiency you desire, tailored to your budget, ensuring the perfect balance of comfort and cost-effectiveness.



Up to 8 zones  
and 16 sensors

NEO Series shown for illustrative purposes

## Control Your Space

All indoor units come standard with integrated zoning ready for up to **8 zones**, providing you with the flexibility to zone your house to suit your needs. The more zones you have, the more savings you can achieve.

## Better Temperature Sensing

ActronAir's best in class zoning allows you to install and assign remote temperature sensors to your zones for enhanced comfort. If that zone is not required, the intuitive control logic removes that sensor from operation.





## Award Winning NEO. It Truly is control in style.

**NEO** is ActronAir's latest entry in a line of award-winning control products. Building on the unique design and superior performance that ActronAir controls are known for, **NEO** brings the best in premium control technology to more people than ever before.

### Intuitive Interface

Control your entire system with a touch of a finger. Whether changing the temperature or adjusting the 7-day time clock, the **NEO's** 7" backlit screen displays an interface that is simple, intuitive, and easy to use.

### Temperature/Humidity Sensor

On-board temperature and humidity sensors mean the **NEO** Touch Controller displays precise indoor room temperature and humidity levels.

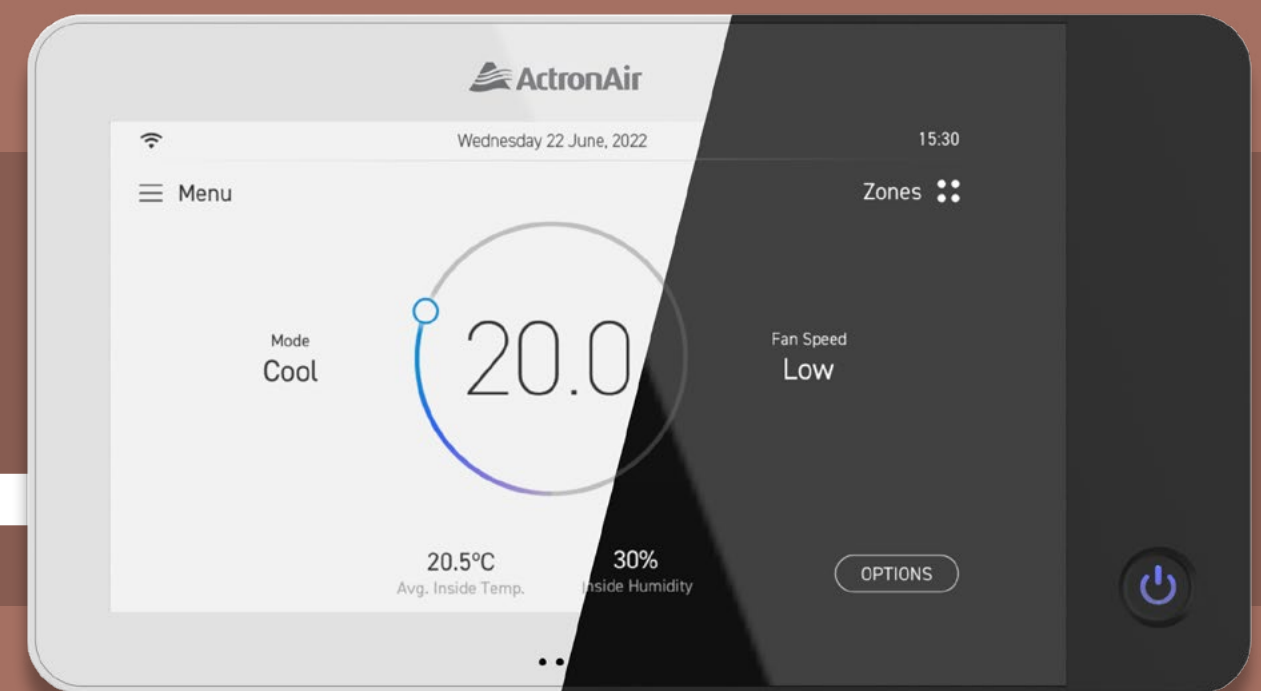
Physical Dimensions:  
118mm x 212mm x 17mm (HxWxD)

### Easy Operating

The master controller comes with Near Field Communication (NFC) included as standard, providing quick and easy access to operating instructions on your smartphone or device.

### Integrated Zoning

No need for clunky bolt-on zoning modules - **NEO** comes with zoning integrated as standard, allowing you to control all of your zones from the **NEO** Touch Controller. Best of all, each zone can easily be updated with a custom name that suits you best.



### LED Wall Glow

Unique color-coded LED Wall Glow means you always know when your system's on and what mode it's in.

### Over-the-air updates

Software updates happen securely and effortlessly via Wi-Fi, ensuring your controller and system always have the most recent software version.

### Precise comfort control

Set your temperature in 0.5°C increments, allowing you to choose the temperature that suits you best.

### Configurable proximity sensor

Contactless position transmitters detect when a person is moving towards the controller and automatically come to life.





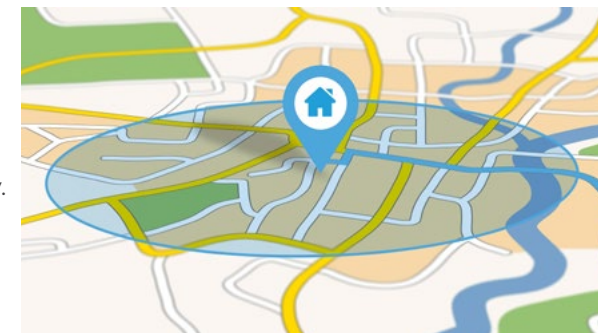
# SMART.

## Come home to comfort with the **NEO Connect mobile app.**

**NEO Connect** app, revolutionizing the way you interact with your air conditioner! Now, you can effortlessly access and take full control of your ActronAir system using your smartphone or tablet, no matter where you are.

### Geo-Fencing

With our innovative Geo-Fencing feature, your ActronAir system seamlessly adapts to your movements. As you approach or leave your home, the app triggers your AC to turn on or off accordingly. Experience unparalleled comfort and enjoy the peace of mind that comes with knowing your air conditioner is always in sync with your lifestyle.



### Home Connectivity

Home connectivity with Google Home and Amazon Alexa is making your life simpler and more convenient, so you can now control your air conditioner with the simple sound of your voice.



"Hey Google, set NEO to cool"

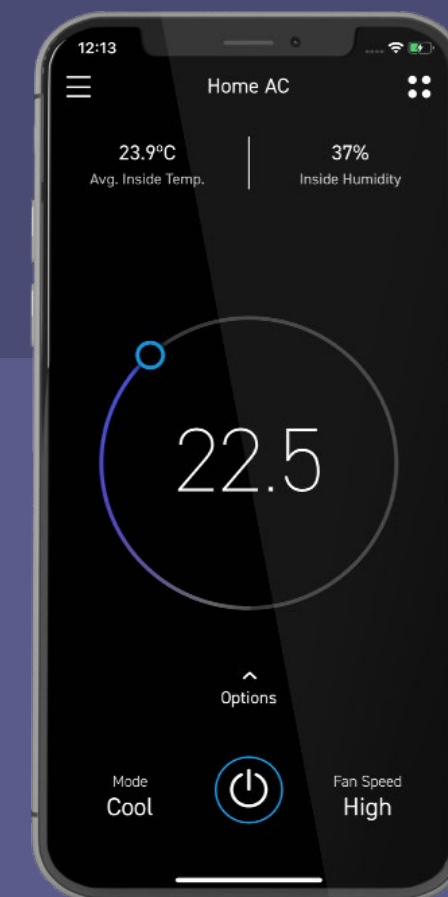
"Hey Google, set NEO to 22°C"

"Hey Google, what is the temperature on NEO"

## Connect to comfort from anywhere.

Requires internet access

available on:







## Choose the colour that suits your home.

Choose between sleek grey or white options and enjoy the attractive, user-friendly design of the **L Series**. Packed with features like NFC and integrated zoning, it seamlessly integrates with the **AIRES** series for optimal control and performance. Experience the perfect harmony between controller and air conditioner with the **L Series**.

### Intuitive Interface

The **L Series** controller combines an appealing design with user-friendly functionality. Its intuitive interface employs clear, understandable language for effortless control, offering a seamless user experience.

### Easy Operating

The master controller comes with Near Field Communication (NFC) included as standard, providing quick and easy access to operating instructions on your smartphone or device.

### Integrated Zoning

An **8-zone** touchpad is conveniently integrated into the master controller, removing the need for you to install a standalone zoning control on your wall.

### Simple Functions

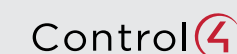
The convenience of scheduling up to 2 events per day with the 7-Day time clock and/or the use of a 24-hour program, allowing you to schedule your preference and then simply 'set and forget'.



Physical Dimensions  
130mm x  
130mm x  
14.4mm  
(HxWxD)

## Operates with over 40 home systems

The **AIRES** also has the ability to operate with a bridging platform that, when used in conjunction with an ActronAir BMS card, can assist in integrating with over 40 home automation systems, including:





PRECISE.

# Wireless Convenience

**NEO Sense** remote temperature sensors, available in Ceramic White and Jet Black, are not hindered by cables thanks to long-range Bluetooth technology and their ability to be powered by a battery. Enjoy the freedom to install the sensor where you need it most.

Only for NEO Sense

# ZoneAware™ Technology

Discover a new level of comfort control with **AIRES**. Install up to 16 discreet remote temperature sensors around your house. Sensors intuitively activate based on zones you operate, delivering more precise temperature measurements for enhanced comfort and efficiency. Makes Sense!

NEO SENSE  
Physical Dimensions:  
80mm x 83mm x 19mm  
(HxWxD)

L-Series sensor  
Physical Dimensions:  
63mm x 41mm x 9.4mm  
(HxWxD)



# NEO Comfort Stand

The **NEO Comfort Stand** allows for the **NEO Sense** to be placed in a location that matters most to you. Providing you with a portable option to sense, whether it be at your study desk or next to your bed, **NEO Sense** will sense and perform, delivering comfort more accurately and effectively.



Technical Specifications

AIRES System Single Phase (10.00-17.00kW)

Technical Information					
Model	Outdoor	CRS10AS	CRS13AS	CRS15AS	CRS17AS
	Indoor	EVA10AS	EVA13AS	EVA15AS	EVA17AS
<sup>(1)</sup> Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	10.40	13.30	15.75	17.40
	Heating (Rated)	10.15	14.70	16.40	18.90
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min/Rated/Max)	3.89 / 10.00 / 12.34	5.55 / 13.02 / 15.01	5.94 / 15.40 / 17.26	6.54 / 17.00 / 19.32
	Heating (Min/Rated/Max)	3.13 / 10.52 / 13.57	4.69 / 15.00 / 17.03	5.10 /16.74 / 18.57	5.32 / 19.29 / 21.61
Input Power (kW) (AS/NZS3823.1.2)	Cooling (Rated)	2.97	3.89	4.41	5.02
	Heating (Rated)	3.06	4.27	4.72	5.50
<sup>(2)</sup> EER Rated (AS/NZS3823.1.2)	Cooling (Rated)	3.36	3.35	3.49	3.39
<sup>(3)</sup> COP Rated (AS/NZS3823.1.2)	Heating (Rated)	3.43	3.51	3.55	3.51
Seasonal Performance Factor Residential	TCSPF (Hot/Mixed/Cold)	4.45 / 4.10 / 4.22	4.50 / 4.21 / 4.37	4.68 / 4.39 / 4.55	4.45 / 4.20 / 4.35
	HSPF (Hot/Mixed/Cold)	4.13 / 3.64 / 3.21	4.33 / 3.86 / 3.42	4.32 / 3.86 / 3.41	4.39 / 3.89 / 3.45
Power Supply - (V/Ph/Hz)	Outdoor	230V / 1Ph + N- / 50Hz			
	Indoor	230V / 1Ph + N- / 50Hz			
Rated Amps (AS/NZS3823.1.2)	Total	13.80	18.60	20.80	24.30
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	17.40 / 3.50 / 20.90	17.70 / 4.30 / 22.00	21.50 / 4.30 / 25.80	24.00 / 4.30 / 28.30
<sup>(4)</sup> Circuit Breaker Amps (Suggested)		25.00		32.00	
IP Rating	Outdoor	IPX4			
	Indoor	IP20			
Compressor	Type / No. Unit	Inverter Twin Rotary/1			
	Starting Method	Variable Speed Drive			
No. of Refrigeration Circuits / No. of Capacity Stages		1/Variable Capacity			
Refrigerant		R32			
Fans (Type x Number per Unit)	Outdoor	Axial / DC Motor x 1		Axial / DC Motor x 2	
	Indoor	Single Centrifugal / EC Motor x 1	Twin Centrifugal / EC Motor x 2		
Airflow Indoor (l/s)	Maximum	600	780	920	1060
	Nominal	500	650	770	890
	Minimum	400	520	620	710
Outdoor Dimensions (mm)	Depth	388	358		
	Height	790	997	1350	
	Width	990	1020		
Indoor Dimensions (mm)	Depth	595	615		680
	Height	410	412		435
	Width	850	1090	1290	1420
<sup>(5)</sup> Nominal Weights (kgs)	Outdoor	64	85	99	110
	Indoor	36	44	53	61
<sup>(6)</sup> Sound Pressure Level (dBA) @ 3m	Outdoor (quiet/rated/max)	49.9 / 52.1 / 53.8	47.0 / 54.2 / 55.2	46.0 / 54.9 / 55.1	50.1 / 56.8 / 56.9
<sup>(7)</sup> Sound Power Level (dBA)	Outdoor (quiet/rated/max)	65.3 / 68.1 / 69.9	64.2 / 70.0 / 71.0	63.6 / 71.6 / 72.0	67.3 / 72.8 / 73.2
MEPS Compliant		Yes			
Demand Response Capability (AS4755.3)		Yes			
BMS and Home Automation Compatibility (ICUNO-MOD)		Yes			
Hydrophilic Blue Fin Coil Coat Protection - Indoor & Outdoor Coils		Yes			
Home Automation / Remote On / Off Capability		Yes			
Manual Inputs Capable for Third party Control		Yes			
Maximum Number of Zones		8			
Run & Fault Indication		Yes			
Two Piece Indoor Option		Yes			
Operating Range		-10°C to 50°C			



Find out more  
actronair.com.au/aires



Australian made products includes indoor unit and controls

Technical Specifications

AIRES System Three Phase (13.00-23.00kW)

Technical Information						
Model	Outdoor	CRS13AT	CRS15AT	CRS17AT	CRS20AT	CRS23AT
	Indoor	EVA13AS	EVA15AS	EVA17AS	EVA20AS	EVA23AS
<sup>(1)</sup> Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	13.30	15.55	17.40	20.32	23.12
	Heating (Rated)	14.70	16.35	18.70	21.48	23.98
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min/Rated/Max)	5.49 / 13.00 / 15.32	6.00 / 15.20 / 17.21	6.48 / 17.00 / 19.16	7.72 / 19.80 / 22.60	8.97 / 22.60 / 26.00
	Heating (Min/Rated/Max)	4.74 / 15.00 / 17.29	5.05 / 16.70 / 18.59	5.27 / 19.08 / 21.18	6.60 / 22.00 / 26.10	7.50 / 24.50 / 28.40
Input Power (kW) (AS/NZS3823.1.2)	Cooling (Rated)	3.91	4.43	5.02	5.70	6.44
	Heating (Rated)	4.13	4.64	5.42	6.12	6.62
<sup>(2)</sup> EER Rated (AS/NZS3823.1.2)	Cooling (Rated)	3.33	3.43	3.39	3.47	3.51
<sup>(3)</sup> COP Rated (AS/NZS3823.1.2)	Heating (Rated)	3.63	3.60	3.52	3.60	3.70
Seasonal Performance Factor Residential	TCSPF (Hot/Mixed/Cold)	4.48 / 4.19 / 4.34	4.72 / 4.43 / 4.61	4.46 / 4.20 / 4.35	4.53 / 4.20 / 4.32	4.51 / 4.22 / 4.34
	HSPF (Hot/Mixed/Cold)	4.50 / 3.97 / 3.46	4.31 / 3.87 / 3.42	4.41 / 3.90 / 3.41	4.25 / 3.85 / 3.42	4.30 / 3.92 / 3.51
Power Supply - (V/Ph/Hz)	Outdoor	400V / 3Ph + N - / 50Hz				
	Indoor	230V / 1PH + N - / 50Hz				
Rated Amps (AS/NZS3823.1.2)	Total	6.40	7.30	8.60	12.59	12.92
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	5.75 / 4.30 / 10.10	6.80 / 4.30 / 11.10	8.10 / 4.30 / 12.40	12.48 / 5.75 / 18.23	12.41 / 7.15 / 19.56
<sup>(4)</sup> Circuit Breaker Amps (Suggested)		16.00			20.00	
IP Rating	Outdoor	IPX4				
	Indoor	IP20				
Compressor	Type / No. Unit	Inverter Twin Rotary/1				
	Starting Method	Variable Speed Drive				
No. of Refrigeration Circuits / No. of Capacity Stages		1/Variable Capacity				
Refrigerant		R32				
Fans (Type x Number per Unit)	Outdoor	Axial / DC Motor x 1	Axial / DC Motor x 2			
	Indoor	Twin Centrifugal / EC Motor x 2				
Airflow Indoor (l/s)	Maximum	780	920	1060	1255	1450
	Nominal	650	770	890	1050	1200
	Minimum	520	620	710	850	950
Outdoor Dimensions (mm)	Depth	358			417	
	Height	997	1350		1536	
	Width	1020			1087	
Indoor Dimensions (mm)	Depth	615		680	695	
	Height	412		435	485	
	Width	1090	1290	1420	1470	1570
<sup>(5)</sup> Nominal Weights (kgs)	Outdoor	85	99	110	142	149
	Indoor	44	53	61	72	81
<sup>(6)</sup> Sound Pressure Level (dBA) @ 3m	Outdoor (quiet/rated/max)	46.7 / 54.0 / 54.9	45.8 / 55.1 / 55.4	50.0 / 56.9 / 57.0	48.8 / 59.4 / 59.6	51.5 / 60.3 / 60.7
<sup>(7)</sup> Sound Power Level (dBA)	Outdoor (quiet/rated/max)	64.2 / 70.3 / 71.1	63.4 / 71.8 / 72.1	66.9 / 72.8 / 73.1	66.2 / 75.4 / 75.7	71.2 / 76.2 / 76.9
MEPS Compliant		Yes				
Demand Response Capability (AS4755.3)		Yes				
BMS and Home Automation Compatibility (ICUNO-MOD)		Yes				
Hydrophilic Blue Fin Coil Coat Protection - Indoor & Outdoor Coils		Yes				
Home Automation / Remote On / Off Capability		Yes				
Manual Inputs Capable for Third party Control		Yes				
Maximum Number of Zones		8				
Run & Fault Indication		Yes				
Two Piece Indoor Option		Yes				
Operating Range		-10°C to 50°C				



# Controller Specifications

## Notes



## Wall Controller

Comparison	NEO	LR7
Maximum number of controllers	2	3
Choice of colour	Ceramic White / Jet Black	White / Grey
Screen	7" Touchscreen, 1024 x 600, IPS - Wide viewing angle, enhanced backlight	Enhanced LED backlight, 7 segment display
Dimensions - (Hmm x Wmm x Dmm)	118 x 212 x 17	130 x 130 x 14.4
No. of supported zones	8	8
24 Hour Countdown Timer	Yes	Yes
7 Day Timeclock	Yes	Yes
Temperature Adjustment (0.5°C)	Yes	Yes
On-Board Temperature Sensor	Yes	Yes
ZoneAware Technology	Yes	Yes
Filter Timer Notification	Yes	Yes
Near Field Communication (NFC)	Yes <sup>a</sup>	Yes <sup>a</sup>
Humidity Sensor	Yes	-
Proximity Sensor / Light Sensor	Yes	-
Wi-Fi Compatibility - inbuilt	Yes <sup>9</sup>	-
Over-The-Air-Updates	Yes <sup>10</sup>	-
Service and System Dashboards	Yes	-
Child Key Lock with PIN code	Yes	-

## Remote Sensor

Maximum Number of Sensors	16	3
Choice of colour	Ceramic White / Jet Black	White / Grey
L Series Wired Temperature Sensor - 63mm (H) x 41mm (W) x 9.4mm (D)	Yes	Yes
Neo Sense Wireless Temperature Sensor - 80mm (H) x 83mm (W) x 18mm (D)	Yes <sup>11</sup>	-
Portable Stand available in Ceramic White (NSHW-10) or Jet Black (NSHB-10)	Yes <sup>12</sup>	-
Near Field Communication (NFC) Compatible	Yes <sup>13</sup>	-

## NEO Connect App

Neo Connect Mobile App	Yes <sup>14</sup>	-
Geo-Fencing	Yes	-
Smart Assistant Compatible (Google Home, Alexa)	Yes	-



## Foot Notes 1-14

- Based on unit rating excluding indoor fan kW.
- EER Rated = Energy Efficiency Ratio (Rated Capacity Cooling / Rated Input Cooling).
- COP Rated = Coefficient of Performance (Rated Capacity Heating / Rated Input Heating).
- Refer to AS/NZS 3000 "Australian/New Zealand Wiring Rules" for more details.
- Refer to Catalogue Unit Weight Distribution Guide section for details of weight points.
- Sound Pressure Level at 3m distance is determined as the measured sound pressure at 3m perpendicular to the coil side of the condenser. Sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions.
- Measured based on ISO 3743-1, Determination of Sound Power Levels and Sound Energy Levels of Noise Sources Using Sound Pressure.
- Near Field Communication requires compatible device. Provides access to wall control operating instructions
- Wi-Fi compatibility with 802.11 b/g/n 2.4 GHz
- NEO Touch must be connected to Wi-Fi with internet and cloud access
- NEO Sense available for us as wired or wireless. Wireless operation requires 3 x AAA batteries (up to 5 Year battery life)
- Portable stand compatible with wireless Neo Sense only
- Near Field Communication (NFC) requires compatible device. Provides access to NEO Connect Mobile App.
- Compatible with ActronAir NEO Touch Controller (NTW-1000, NTB-1000). Available on iOS 9 or later / Android Version 6 Marshmallow or later.

### Important Notes:

- The Local Electricity Supply Authority may require limits on - starting current, running current and voltage drop, please check prior to purchase.
- When the outdoor temperature exceeds the rated conditions, the cooling/heating capacities may decrease the rated net values.
- Specifications subject to change without notice.
- All pictures shown are for illustration purposes only.

Rated Conditions:

Cooling: 35°C DB Outdoor / Air Entering Indoor 27°C DB, 19°C WB  
Heating: 7°C DB, 6°C WB Outdoor / Air Entering Indoor 20°C DB

**Warranty:**

For full terms and conditions of ActronAir warranty, please refer to warranty terms document  
- [www.actronair.com.au](http://www.actronair.com.au)



# ActronAir

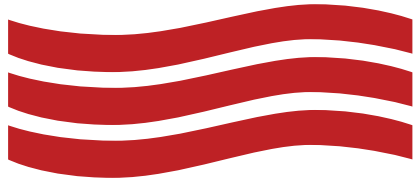
Australian family owned  
and operated since 1984

**actronair.com.au**  
**1300 522 722**

® iPhone, iPod and iPad are registered trademarks of Apple Inc. ® Android is a trademark of Google Inc.  
® Google, Google Play, Google Home and Nest Audio are trademarks of Google LLC.  
® Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.

ActronAir maintains an unwavering dedication to incessantly enhancing its product offerings in order to uphold the utmost standards of quality and reliability, while simultaneously adhering to local regulations and market demands. The specifications outlined within this document are subject to modification without prior notice, as ActronAir strives to integrate the most recent advancements and innovations into its product line-up for the benefit of its valued customers. It is important to note that the information provided in this brochure is purely informative in nature and should not be utilized as a substitute for the Engineering or Installation Manuals. The cooling and heating capacities referenced for the products represent nominal capacities under standard operating conditions. ActronAir, the brand, hereby absolves itself of any responsibility in the broadcast sense, for any form of damage, whether direct or indirect, that may arise from the utilization and interpretation of the recommendations provided within this document.

# AIRFOIL



GRILLES  
DUCT  
FITTINGS

*making it happen sooner...*



Quality  
Endorsed  
Company

ISO 9001



**POLY ROUND DIFFUSER  
RND-250**





## POLY ROUND DIFFUSER **RND-250**

### PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Plastic Round Diffuser (RND-250) offers an appealing ceiling-mounted solution, crafted from high-quality ABS Polymers to ensure lasting strength and rigidity. This premium ABS Polymer material is engineered to resist discolouration over time, maintaining its aesthetic appeal.

Featuring manual adjustment at the center, users can conveniently and accurately balance the desired airflow. Suitable for cooling, heating, and isothermal conditions, this supply air Plastic Round Diffuser is ideal for use in modular plaster ceiling systems.

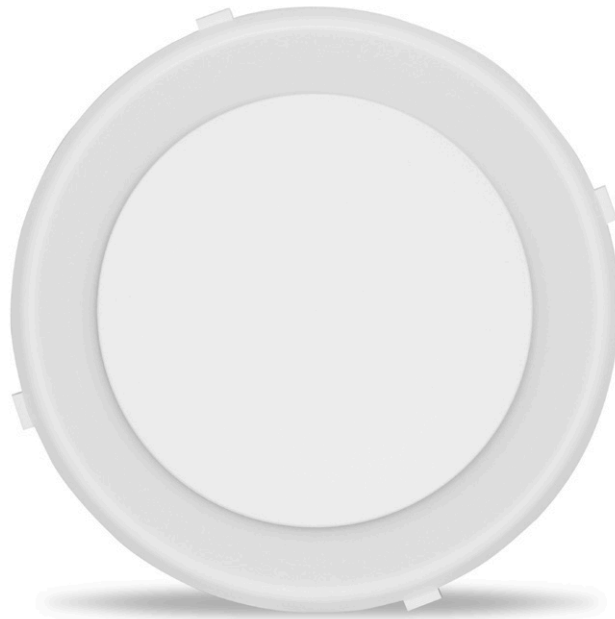
It comes complete with a snap-down fixing clip and dual clip arrangement for easy installation, and is available in four sizes to accommodate various needs.

While primarily intended for domestic supply and exhaust applications, the RND-250 can also be utilised in commercial spaces with ceiling heights of up to 2.7 meters. Finished in standard ceiling white with an etched surface, it is readily available in stock for immediate delivery.

## POLY ROUND DIFFUSER **RND-250**

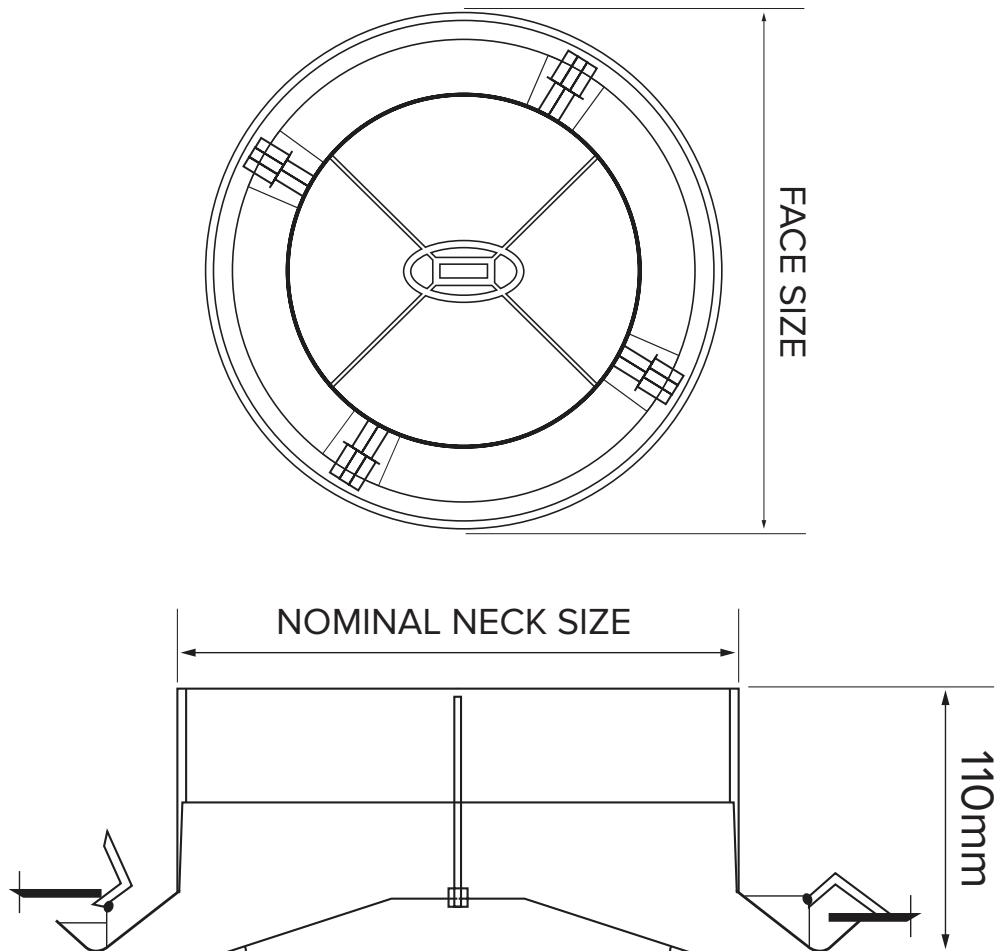
### PRODUCT SPECIFICATIONS AND INFORMATION

- **Product ordering code – RND-250**
- Constructed from high quality ABS Polymers
- Depth size 110mm
- Face size 395mm
- Neck size 250mm
- Cut out size 360mm
- Comes with a snap down fixing clip and dual clip arrangement
- Used for supply air heating, cooling and isothermal conditions
- Ideal for plaster modular ceiling applications
- Center of the diffuser can be easily adjusted manually for desired airflow
- Available standard ceiling white
- In stock
- Product suitable for domestic supply and exhaust applications, however this diffuser can also be used in commercial spaces where ceiling heights reach 2.7 metres
- Airfoil tested information available



## POLY ROUND DIFFUSER RND-250

### CROSS SECTIONAL DIAGRAM



PRODUCT CODE	FACE SIZE	NECK SIZE	CUT OUT SIZE
RND150	260 mm	150 mm	230 mm
RND200	320 mm	200 mm	290 mm
<b>RND250</b>	<b>395 mm</b>	<b>250 mm</b>	<b>360 mm</b>
RND300	440 mm	300 mm	400 mm



#### DISCLAIMER:

All product designs, data sheets and specifications presented herein are the intellectual property of Airfoil Manufacturing Pty Ltd. These designs and specifications, including but not limited to diagrams, drawings, and performance data, are protected under Australian intellectual property laws. No part of these designs and specifications may be copied, reproduced, distributed, or transmitted in any form or by any means without the prior written permission of Airfoil Manufacturing Pty Ltd. Unauthorised use or reproduction of these materials may result in legal action under Australian copyright and intellectual property laws.

## POLY ROUND DIFFUSER RND-250

### PERFORMANCE DATA

			FLOWRATE (l/s)												
			25	50	75	100	125	150	175	200	225	250	275	300	350
RND150	Throw (m)	0.50m/s	1.1	1.5	2.2	2.5	2.7								
	NC		-	15	16	27	35								
	Pstatic (Pa)		7	23	50	84	133								
RND200	Throw (m)	0.50m/s	-	1.4	1.8	2.1	2.4	2.8	3.0						
	NC		-	-	15	24	30	40	42						
	Pstatic (Pa)		-	9	20	36	54	76	103						
RND250	Throw (m)	0.50m/s	-	1.1	1.7	1.6	2.1	2.6	2.8	3.1	3.3	3.5	3.7		
	NC		-	-	-	-	-	15	17	26	29	32	33		
	Pstatic (Pa)			8	17	25	35	44	56	70	85	102	123		
RND300	Throw (m)	0.50m/s	-	.9	1.3	1.5	1.9	2.2	2.5	2.7	2.9	3.1	3.2	3.5	3.9
	NC		-								15	17	22	26	33
	Pstatic (Pa)			3	5	9	11	18	25	32	39	46	59	72	103

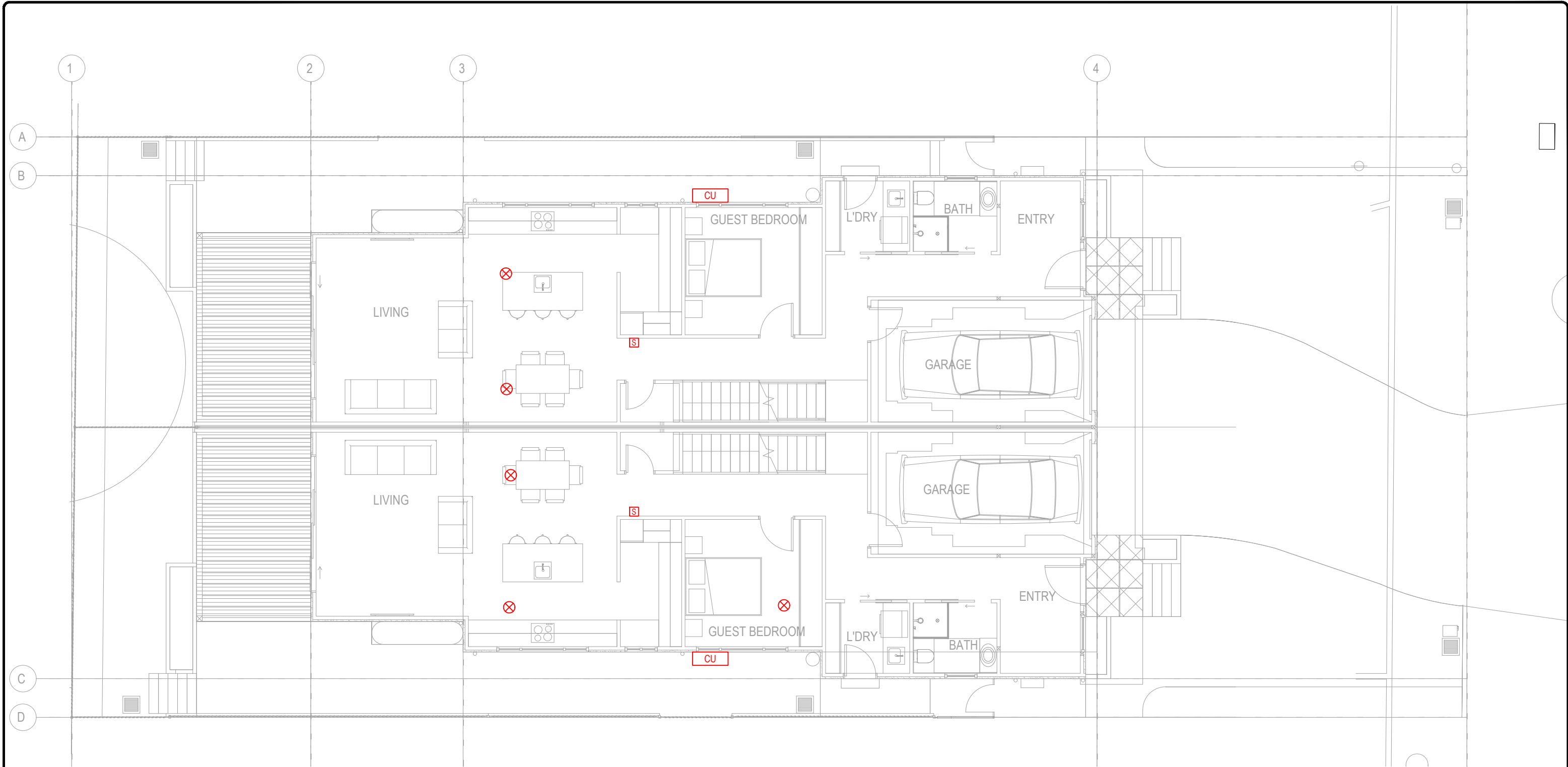
## **5: AS-BUILT DRAWINGS**

Specialist Services Australia Pty Ltd | ABN 89 135 692 170 | ACN 135 692 170  
Telephone: 1300 322 000 | Email: [admin@specialistsvs.com.au](mailto:admin@specialistsvs.com.au)






NSW Office  
6 Ferris Street, North Parramatta NSW 2151  
License: 220319C / Refrigerant License: AU37048

VIC Office  
3/88 Wirraway Drive, Port Melbourne VIC 3207  
License: REC 26786

QLD Office  
15 Christine Avenue, Miami QLD 4220  
License: 82540



LEGEND OF SYMBOLS

-  CONDENSER UNIT
-  SUPPLY AIR GRILLE
-  RETURN AIR GRILLE
-  CONTROLLER
-  SENSOR

0	AS BUILT	09.09.25
ISSUE	AMENDMENT	DATE

specialist  
services



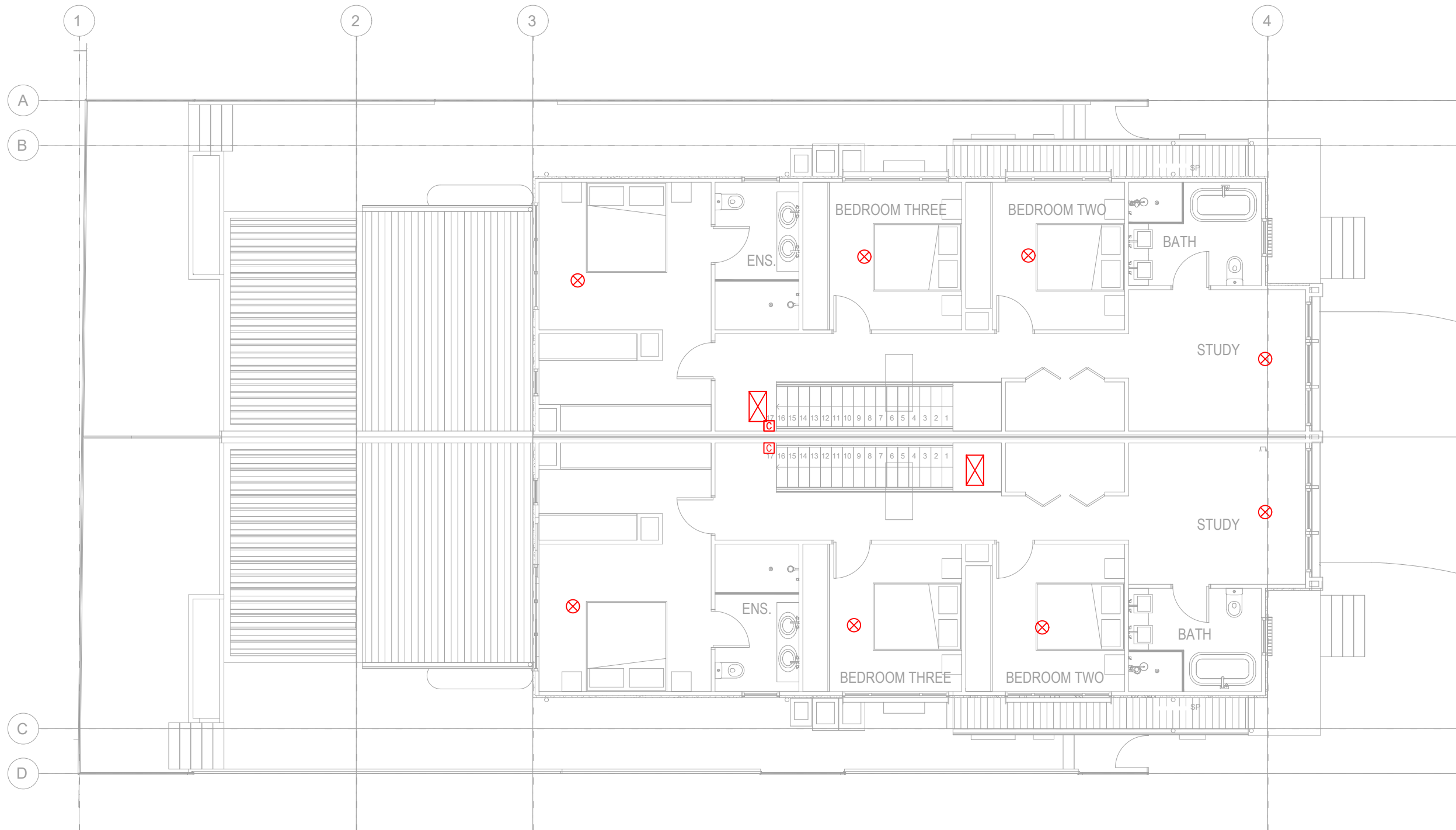
6 FERRIS STREET  
NORTH PARRAMATTA NSW 2151  
T: 1300 322 000  
E: admin@specialistsvs.com.au

© THIS DRAWING IS COPYRIGHT AND MAY NOT BE USED WITHOUT WRITTEN CONSENT.  
DIMENSIONS IN MILLIMETRES. CONFIRM ALL DIMENSIONS ON SITE.






PROJECT:  
PROPOSED DUAL OCCUPANCY  
74 STEPHEN ST, BLACKTOWN, NSW 2148

TITLE:  
GROUND FLOOR PLAN  
MECHANICAL HVAC LAYOUT

DRAWN:	
CHECKED:	
DATE:	
JOB NO.:	1:100 @A3
DWG NO.:	M-1001
	0



LEGEND OF SYMBOLS

-  CONDENSER UNIT
-  SUPPLY AIR GRILLE
-  RETURN AIR GRILLE
-  CONTROLLER
-  SENSOR

0	AS BUILT	09.09.25
ISSUE	AMENDMENT	DATE

specialist  
services



6 FERRIS STREET  
NORTH PARRAMATTA NSW 2151  
T: 1300 322 000  
E: admin@specialistsvs.com.au

© THIS DRAWING IS COPYRIGHT AND MAY NOT BE USED WITHOUT WRITTEN CONSENT.  
DIMENSIONS IN MILLIMETRES. CONFIRM ALL DIMENSIONS ON SITE.

PROJECT:  
PROPOSED DUAL OCCUPANCY  
74 STEPHEN ST, BLACKTOWN, NSW 2148

TITLE:  
FIRST FLOOR PLAN  
MECHANICAL HVAC LAYOUT

DRAWN:  
CHECKED:  
DATE:

JOB NO.:

DWG NO.: **M-1002**

1:100 @A3

0