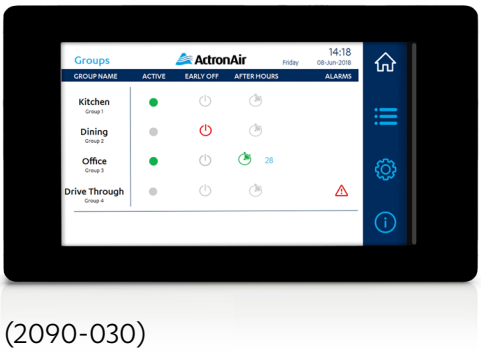
GROUP CONTROL

Operation Manual



(2090-028)



(2090-030)

Model Number

CGT1000K

IMPORTANT NOTE:
Please read this manual carefully before installing or operating the Group Control.

ActronAir

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01. General Information

CONGRATULATIONS on your purchase of the ActronAir Group Controller. The group controller will allow end users to control multiple ActronAir systems through a single touch screen interface. With its simple and easy to use design, the group controller makes advanced scheduling functions easy for end-users, while its integrated functions and remote access capabilities ensure it is easy to install and service.

IN THIS MANUAL, You will find instructions on how to program and utilise the many advanced features this control interface has to offer. Thoroughly read this manual in order to ensure correct operation of the ActronAir air conditioners.

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 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.

The ActronAir Group Controller is one of the most advanced and innovative controller in the market. Its operation and control is specified in the technical documentation supplied with the product or which can be downloaded from our website: www.actronair.com.au. The controller requires set-up/configuration/programming in order to be able to operate in the best possible way to suit your requirements. Failure to complete such operations, may result in malfunction and/or damage to the unit, for which ActronAir accepts no liability.

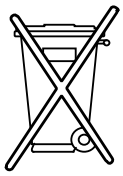
Installation, commissioning and other technical services must only be carried out by a qualified technician. Ensure that the unit installation complies with all relevant council regulations and building code standards. All electrical wiring must be in accordance with current electrical authority regulations and all wiring connections to be as per the 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:

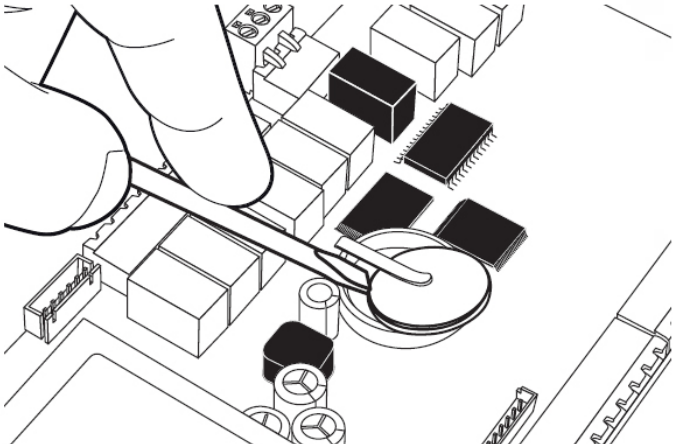
- Prevent the electrical components and electronic circuits from getting wet.
- Do not install the controlling devices in a particularly hot environment as extreme temperatures may damage the electronic equipment.
  The temperature range for operation is -20°C to 60°C, 5 to 85% RH (non-condensing).
- 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**.

02. Waste Electrical and Electronic Equipment Disposal Guideline



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.
3. The board contains a battery that must be removed and separated from the rest of the product before disposing of the terminal.



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. Do not forcefully press the LCD screen as excessive force will damage the touch screen.
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. Safety Precaution

1. Read all instructions in this manual before operating the controller. Failure to do so may result in damage to the unit and void your warranty.
2. Installation and/or servicing must be carried out by a qualified technician.
3. Ensure that the Group Controller installation complies with 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.
4. WH&S rules and regulations must be observed and will take precedence during installation process.
5. Only use the ActronAir Group Control as described in this operating manual.

05. Operational Precaution

NEVER remove 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 parts other than the controller interface as they could cause personal injury and damage the controller.



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.

06. General Information

When the Touch Screen is powered up, the unit will boot up until the ActronAir logo shows up (as below). Tap the screen to go to the next screen. (Image below is only for 2090-028, 2090-030 does not have the Signal LED and all will not apply)

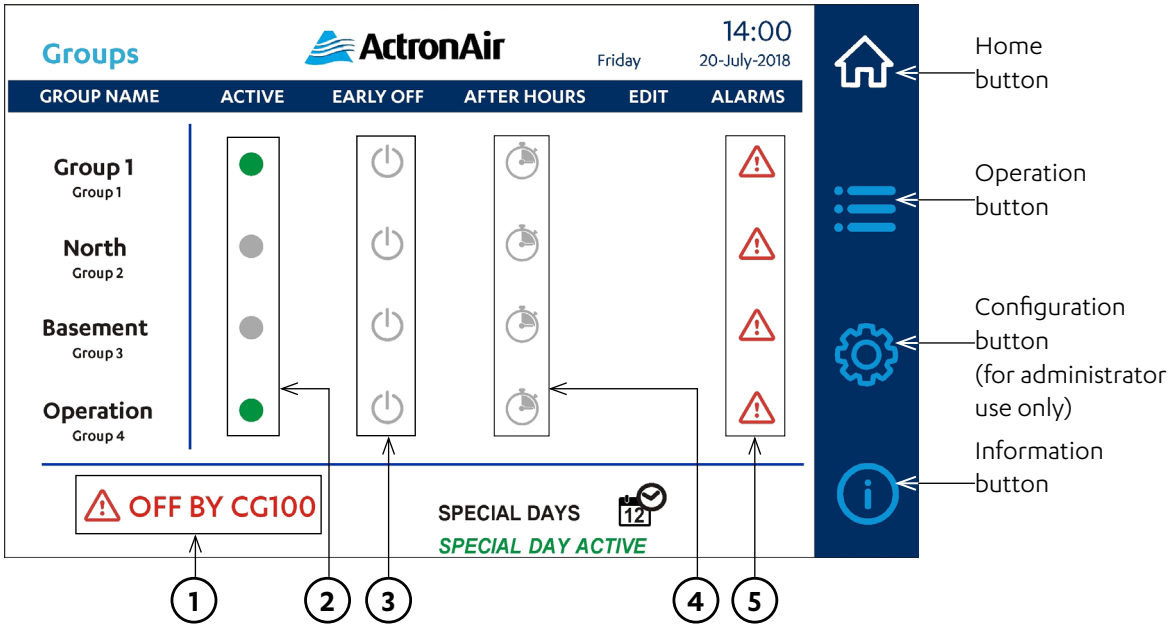


When on standby, the backlight will turn off to save power. Tap the screen to go back to the Splash screen.

Note: There are two level of access, Operator and Administrator. Operator access (Section 07.) is limited to turning the units ON/OFF and changing the units setpoint temperature. The Administrator access (Section 08.) however, would allow user to configure the system. By default, the access is set to Operator level. To switch access from Operator to Administrator, press the Configuration button ( )see Section 07.03).

07. Operator

07.01. Home Page



	Name	Description
1	CG100 Alarm	Blinks when the CG100 is OFF
2	Active Indicator	Indicates status of units in the Group if it is ON or OFF
3	Early Off Power Button	Turns OFF the units in the Group when Group is ON
4	After Hours Button	Turns ON the units in the Group when Group is OFF
5	Alarm Indicator	Shown when an alarm is triggered in a Group

07.01.01. CG100 Alarm

The CG100 Alarm will continuously blink only when the CG100 is set to OFF.

07.01.02. Active Indicator

The indicator beside the Group Name is green when the Group is scheduled ON, or the After-Hours function is active.

07.01.03. Early Off Power Button

If a group is active, operator may turn it OFF by pressing the Early Off Power Button and will turn the button to red. Otherwise the button press will be ignored. The user will see a pressed (red power) button light up for a second before the controller turns it back OFF (to grey). The "Early-Off" function will be disabled (power button is grey) when the current schedule is finished so the group will activate when next scheduled is activated.

07.01.04. After Hours Button

If the group is not active, an operator may turn it ON by pressing the button. The button will turn green and at the same time, displays the remaining time (in minutes) for which the group will be active. To cancel the After-Hours function, press the button again.

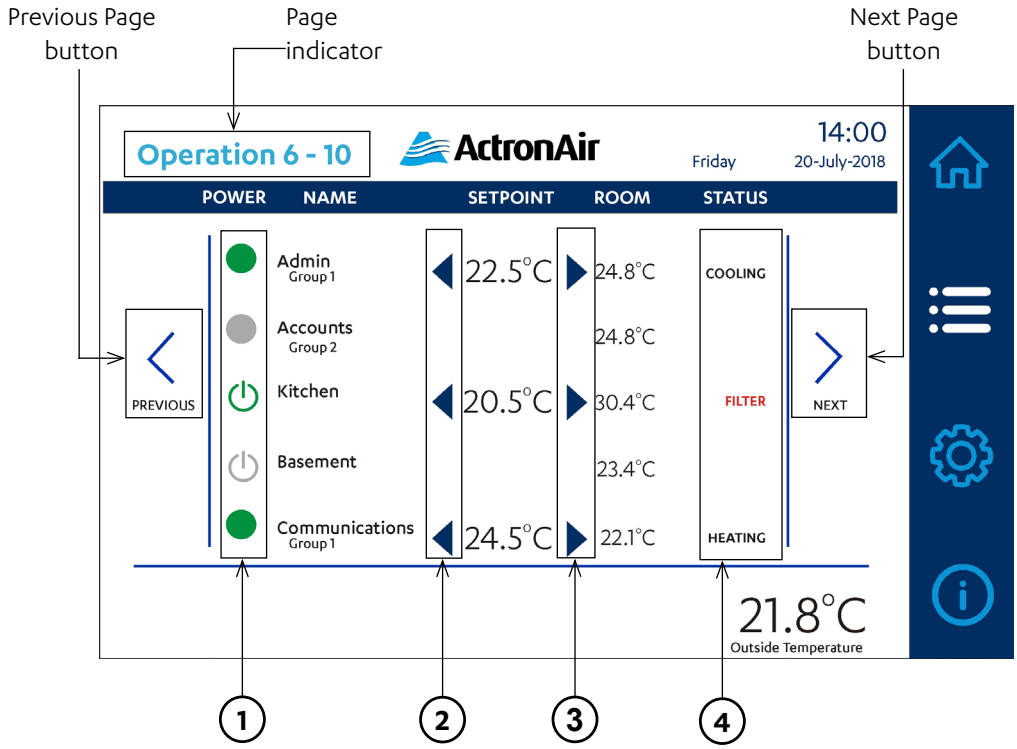
07.01.05. Alarm Indicator

An Alarm glyph is displayed when any unit in a Group has an alarm. Go to the Operation Screen to identify which unit is reporting an alarm.

Note: Active Indicator / Early Off / After Hours / Alarms are not visible when no Unit nor Output Source is assigned to the Group. Units not in a Group can be manually turned ON/OFF on the Operation page (see page 7).

07.02. Operation Page

Operation page shows summary of units in the network. The maximum number of units per network is fifteen.
The Operation page shows a maximum of five units per page.
-Page indicator for first page is "Operation 1-5" which is the summary of System 1 to System 5
-Page indicator for second page is "Operation 6-10" which is the summary of System 6 to System 10
-Page indicator for third page is "Operation 11-15" which is the summary of System 11 to System 15
Use Previous Page/Next Page buttons to navigate through these pages.



	Name	Description
1	Unit Power Button/Indicator	Turns the Unit ON/OFF only if unit is not a member of a Group otherwise, displays the operational state of a grouped unit
2	Lower Set Temperature	Adjust to lower the Set Point Temperature by 0.5°C
3	Raise Set Temperature	Adjust to raise Set Point Temperature by 0.5°C
4	Status Indicator	Status are: Alarm, OFFLINE, COMM ERROR, FILTER, HEATING, COOLING and blank

Note: Units not Enabled will not be visible. Administrator access is required to Enable the Unit (see Section 08.03 Enable/Disable).

07.02.01. Unit Power Button/Indicator

Only a Unit that is not a member of a Group can be turned ON and OFF by pressing the button.
If a Unit is member of a Group, the button is represented by solid circle and cannot be switched from this screen.
The button is green when unit is ON and grey when the unit is OFF.
If the system is powered off when a Unit that is not in a Group is turned on, that Unit will not turn on when the system power is restored. Grouped Units will operate to their schedule.

07.02.02. Adjusting Temperature

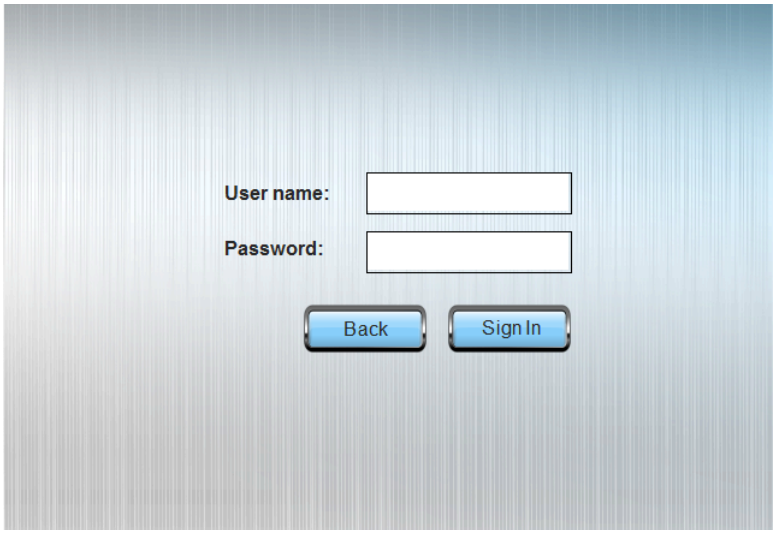
The Set Point can be adjusted within limits by pressing the ◀/▶ buttons beside the Set Point.
-Press ◀ to lower the Set point Temp by 0.5 °C.
-Press ▶ to raise the Set point Temp by 0.5°C.

07.02.03. Status Indicator

Status indicator will show, Alarm, OFFLINE, COMM ERROR, FILTER, Heating or Cooling. Status will be blank if the unit is not activated or OFF. The status may be blank if the Unit is on, but there is no heating or cooling demand.

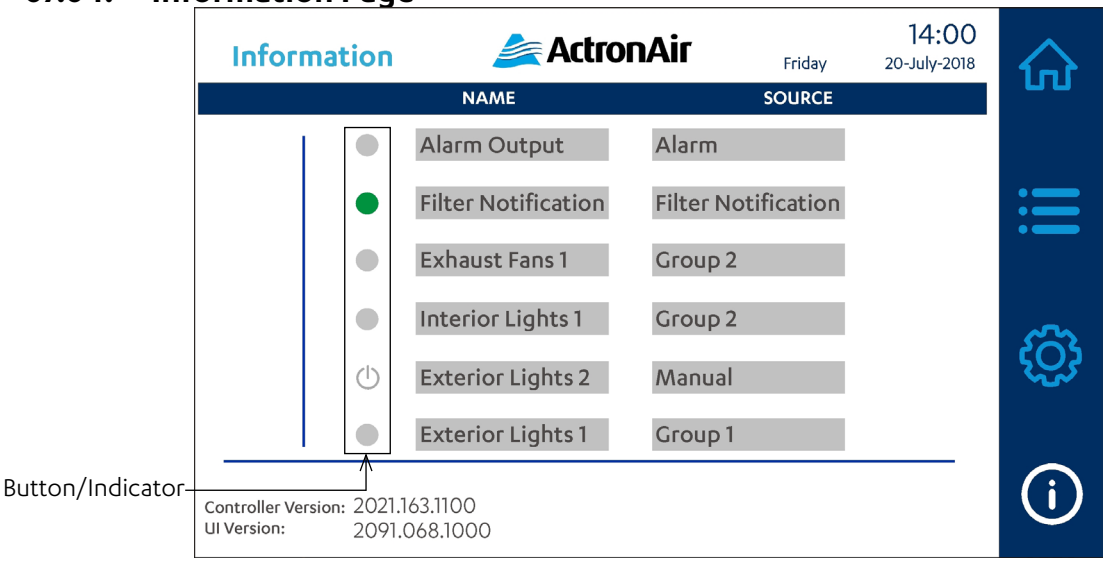
07.03. Configuration Page

There are three user accounts, “admin”, “operator” and “service”. The default user account is “operator” and has no password. To switch accounts, tap the Configuration button ( ). The login screen will be shown, enter the user name and password using the on screen keyboard and press the ‘Sign In’ button. To cancel the login attempt, press the ‘Back’ button. The default ‘admin’ account password is ‘admin’. The “service” account is for manufacturer use only. Image below is 2090-028, 2090-030 has the option to show characters of the “Password”.



It is recommended to change the Administrator password in the initial start up (see 08.03. User button).

07.04. Information Page



This page shows the status of the Main Controller (CG100) configurable outputs.

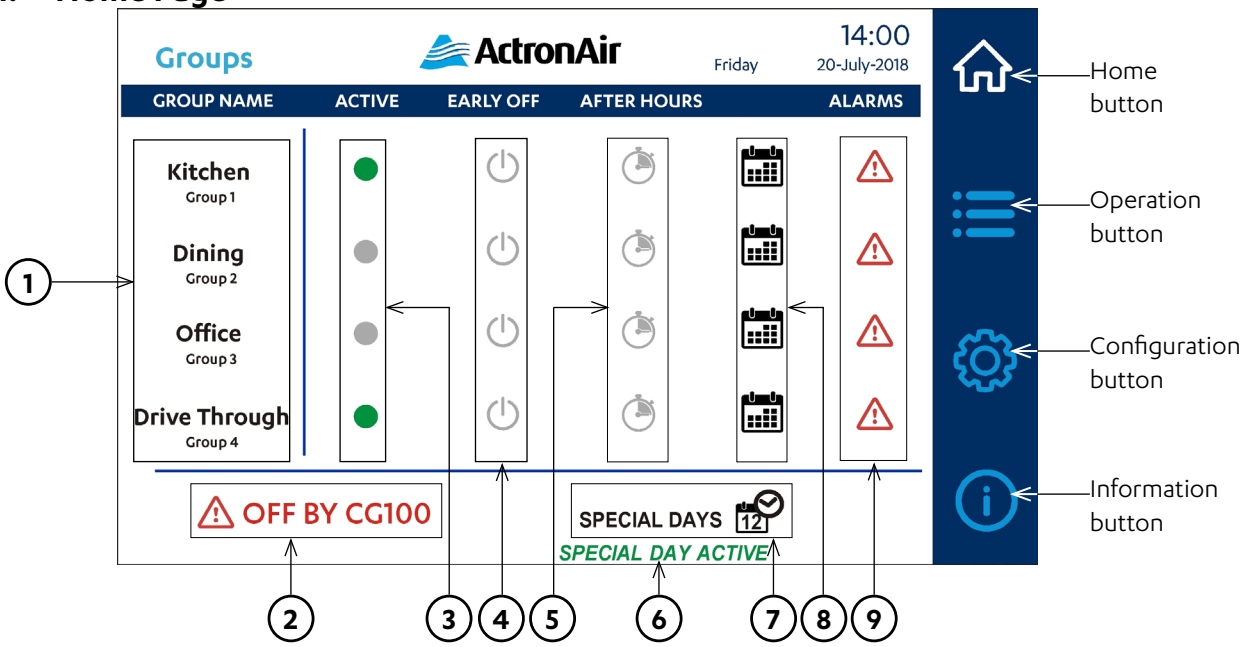
These outputs may be configured to function as (these can be accessed by Administrator only):

- ON/OFF button only when Source is set to Manual (see “Exterior Lights 2” above).

- Indicator, turns green when the specified Source is ON. Otherwise it is grey.

08. Administrator

08.01. Home Page

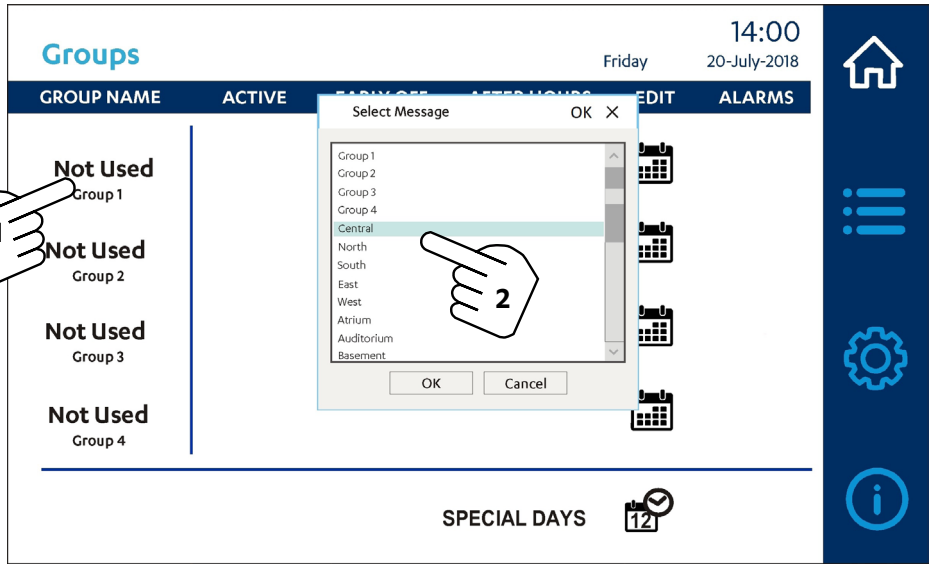


	Name	Description
1	Group Name	Name of the group
2	CG100 Alarm	Visible and blinking when the CG100 is OFF. The group controller will not turn ON any connected systems until CG100 is turned ON
3	Active Indicator	Indicates status of a Group is ON or OFF
4	Early Off Power Button	Pressing this button will turn OFF the Group if it is active
5	After Hours Button	Turns ON the Group when outside of the programmed schedule Press again to turn off the After Hours function
6	Special Day Active Indicator	Visible only when Special Day schedule is active
7	Special Days Button	Button to access Special Day schedules
8	Group Schedule Button	Button to access/edit the schedule for a Group
9	Alarm Indicator	Visible when alarm is active

Note: Active Indicator / Early Off / After Hours / Alarms are not visible when no unit is assigned to the Group nor Output signal. See Section 08.04. (Name/Source) for assigning signal to a Group.

08.01.01. Group Name

The Group Name can be changed by tapping on the name and selecting an entry from the list:



Note: When no unit is assigned to a Group, the Group name could be changed to "Not Used" which is also available from the Group Name list selection.

08.01.02. CG100 Alarm "OFF BY CG100"

CG100 Alarm (flashing "OFF BY CG100") will be displayed only if the CG100 is set to "OFF". All functions in the screen will be disabled. Need to check CG100 and ensure it is turned ON. See Functions under Main Controller (CG100) of the Installation and Commissioning Guide.

08.01.03. Active Indicator

Colour	Status
Green	Group is scheduled ON or After-Hours function is active
Grey	Group is scheduled OFF or Early-Off function is active

08.01.04. Early Off Power Button

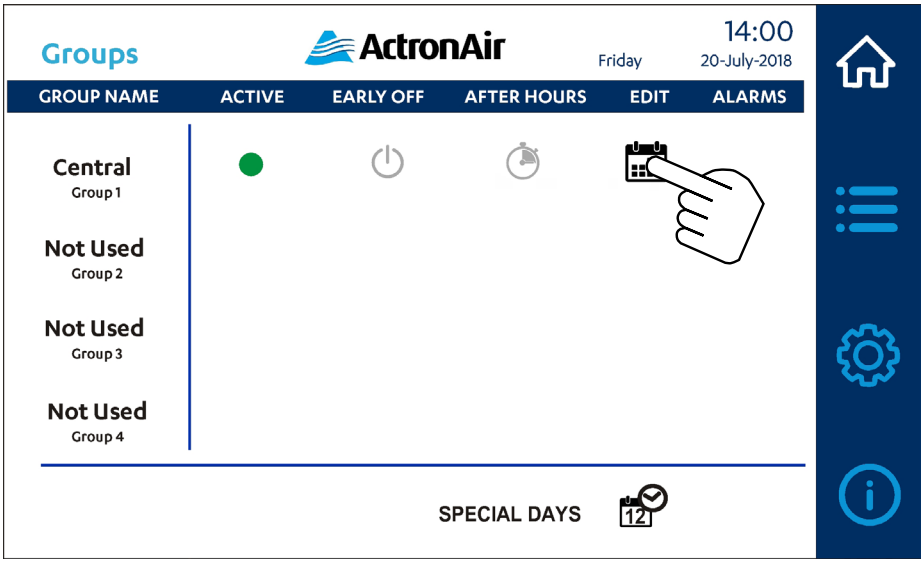
When the Group schedule is active pressing the button turns the Group OFF and toggles the button colour from grey to red.

08.01.05. After Hours Button

If a Group is scheduled OFF, it may be temporarily turned ON by pressing the After-Hours button. The button will then turn green and display the remaining time in minutes for which the group will be active to the right of the button (default 120 minutes). Go to Section 08.03 (After Hours) to adjust the duration of after hours operation.
To cancel or deactivate the After-Hours function, press the "After-Hours" button again.

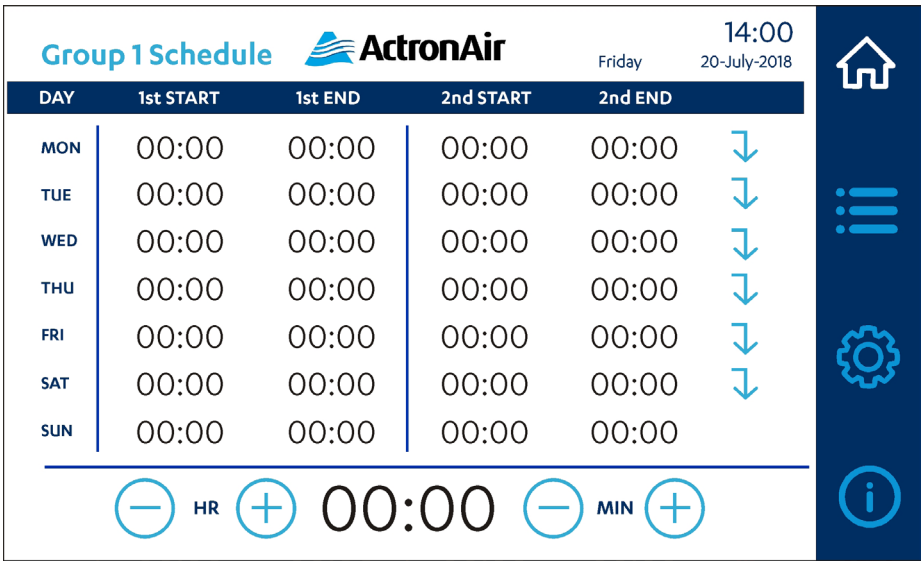
08.01.06. Schedule button

Pressing the Schedule button will bring you to "Group Schedule Screen". This will enable you to edit the schedule for each Group.



If no time scheduling is required, on Configuration Page, set group assignment to None (refer to Configuration Page section of Operation Manual), then on the Operation screen, Turn ON System 1 (refer to Operation Page section of Operation Manual).

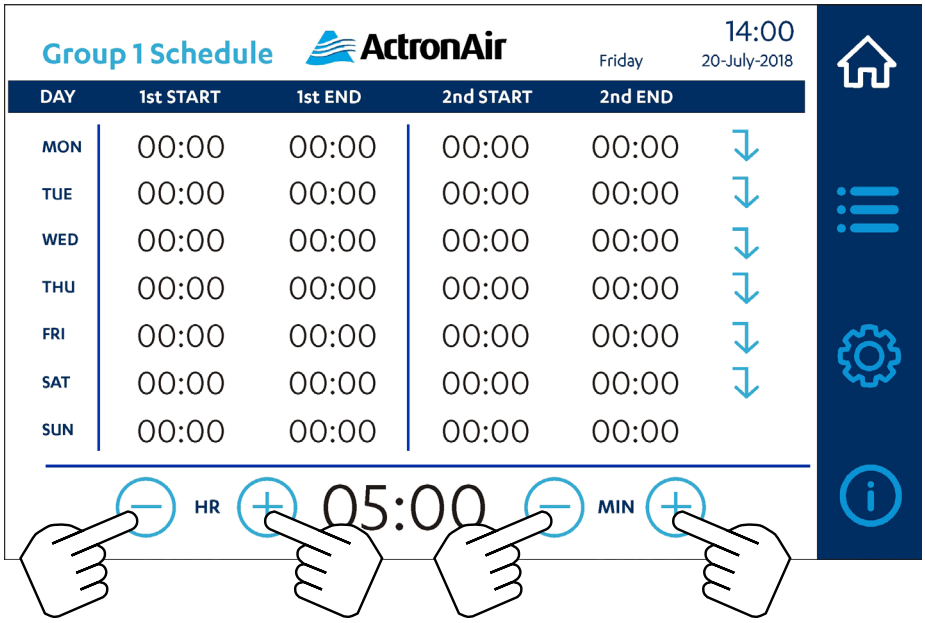
08.01.07. Group Schedule Screen



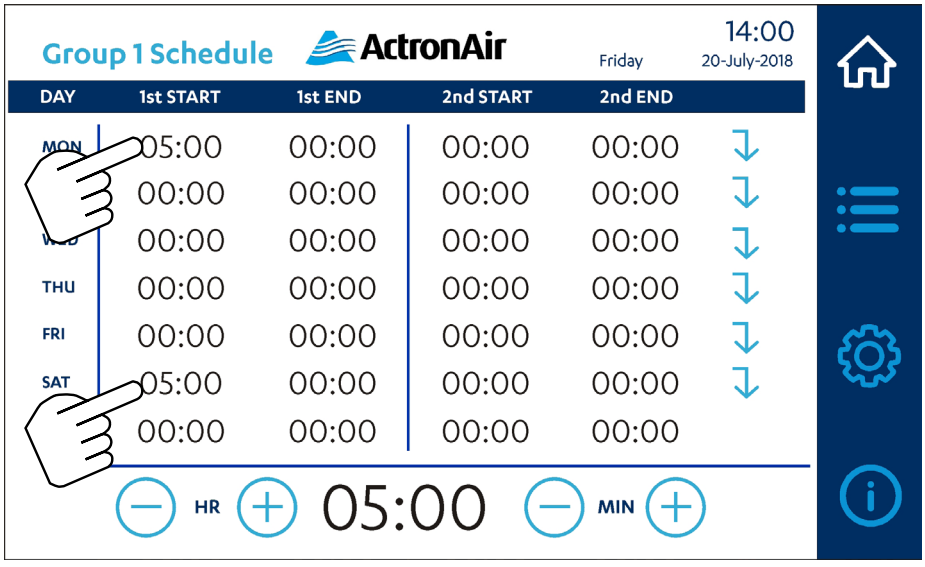
This screen allows configuration of a seven day schedule with up to two events per day.

08.01.08. Setting Seven Day Schedule

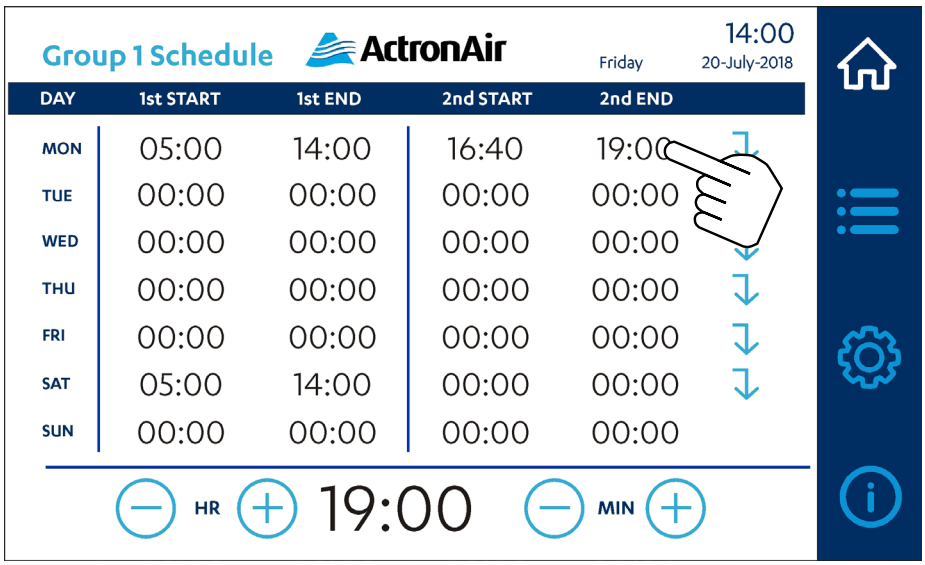
Step 1. Adjust the time at the bottom of the screen using the + and - buttons for hours and minutes until the desired time is displayed on the bottom centre of the screen. The time is displayed in 24-hour format.



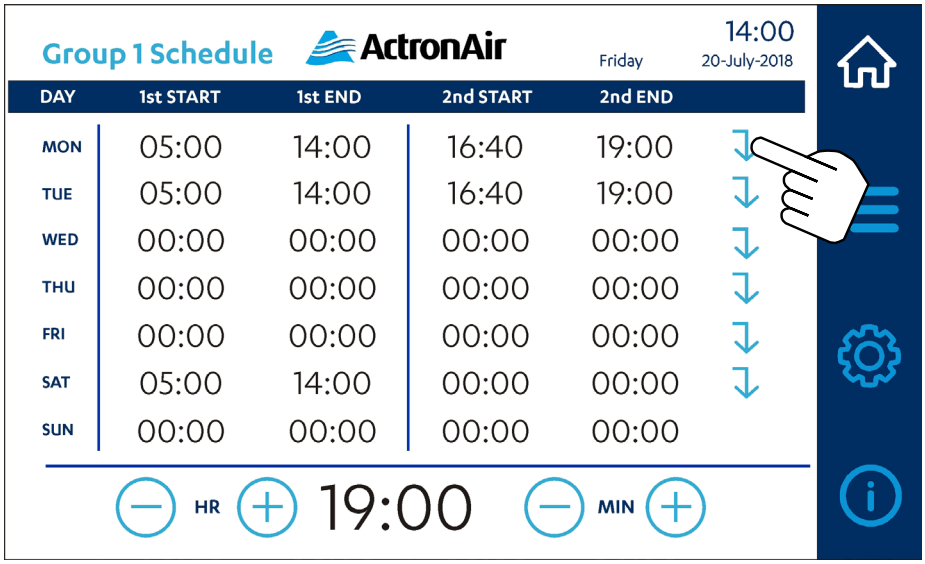
Step 2. Tap each event to set the time.



Step 3. Repeat for remaining events as required.



Step 4. Use the arrows to copy a schedule to the following day



08.01.09. Special Days Active Indicator

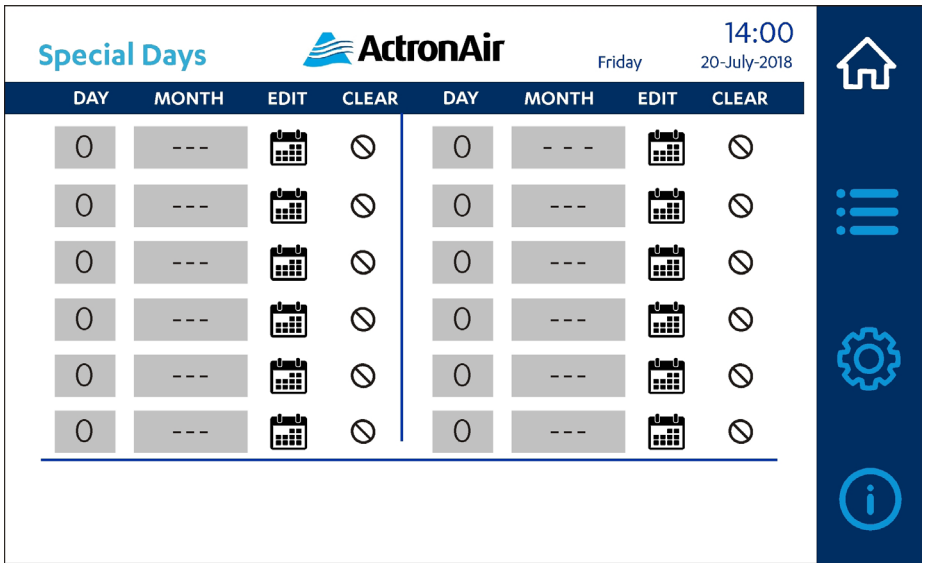
A special schedule may be implemented to override all the schedule set on the "Seven Days Schedule". The "SPECIAL DAY ACTIVE" indicator is visible only on dates where special schedule is in effect.

08.01.10. Special Days Button

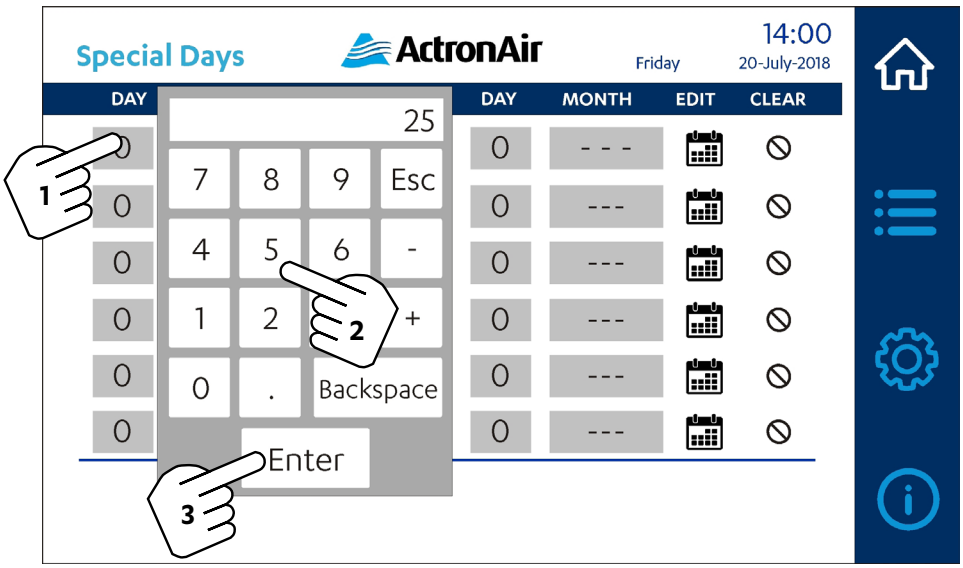
A special schedule could be configured by tapping on the "Special Day" button on the Homepage. There are twelve dates that can be programmed to have special schedule on "Special Days Screen" (see below image).

08.01.11. Special Days Screen

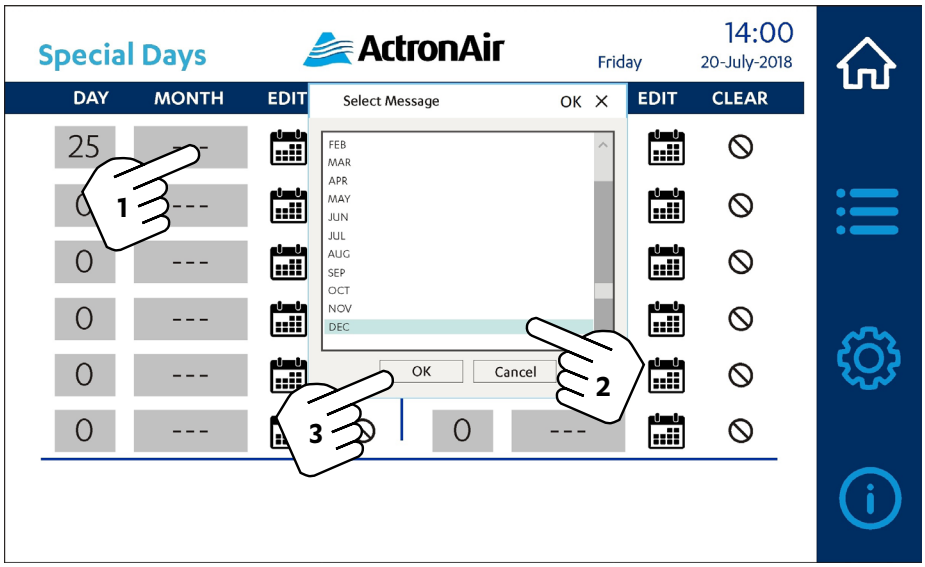
This will enable you to set and edit the schedule for each Special Day.



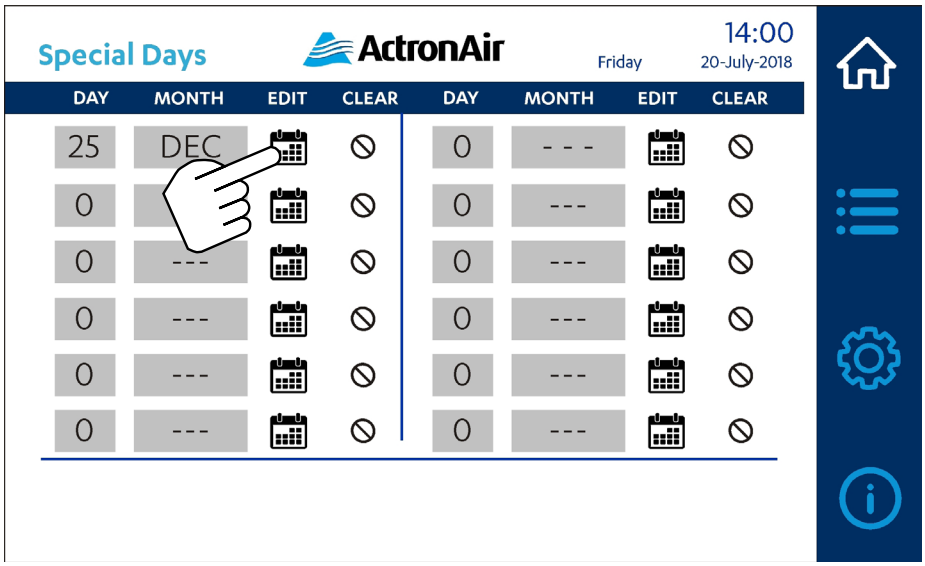
Click the Day button to show the keypad for entering the date, when done, tap ENTER to accept value.



Click the Month button and select month from the dialogue box.

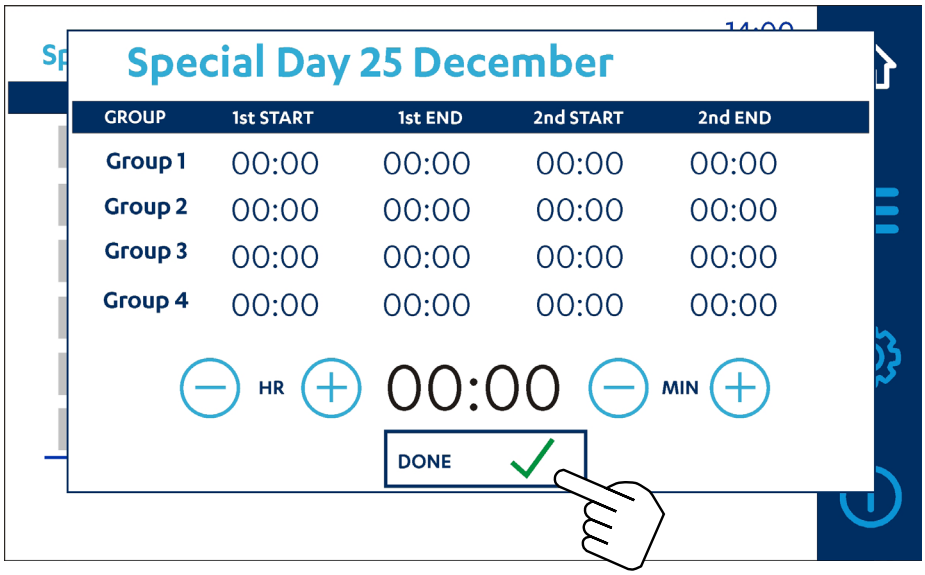


Pressing this button will bring up the Special Day configuration dialogue.

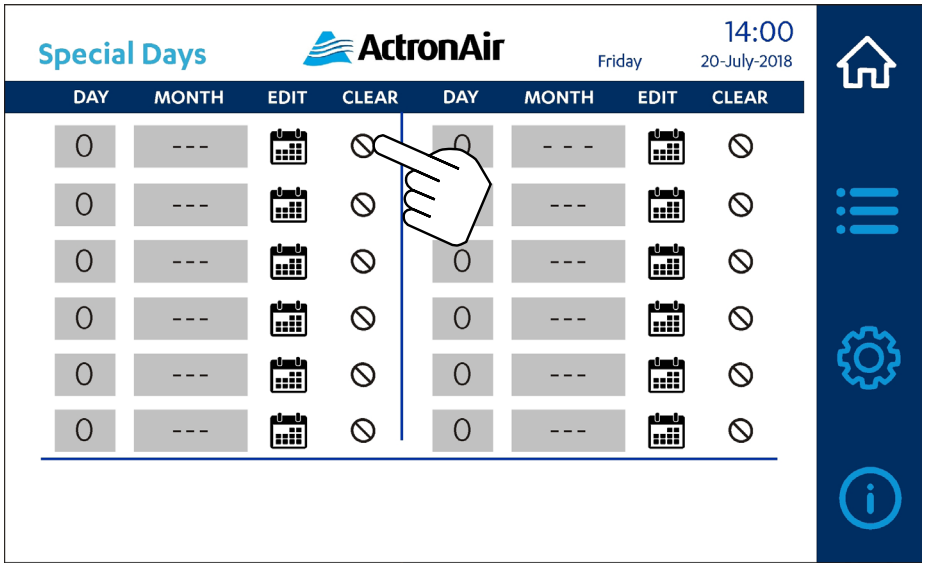


Note: Special Day Active Indicator at the bottom of the screen will be visible on the Homepage only during the dates set on this screen.

Steps in adjusting and setting time is same as setting Seven Day Schedule on page 12.



Pressing the Clear/Cancel button, clears the special day for all groups.
If the group is not to be powered ON, leave them zero on the start and end.



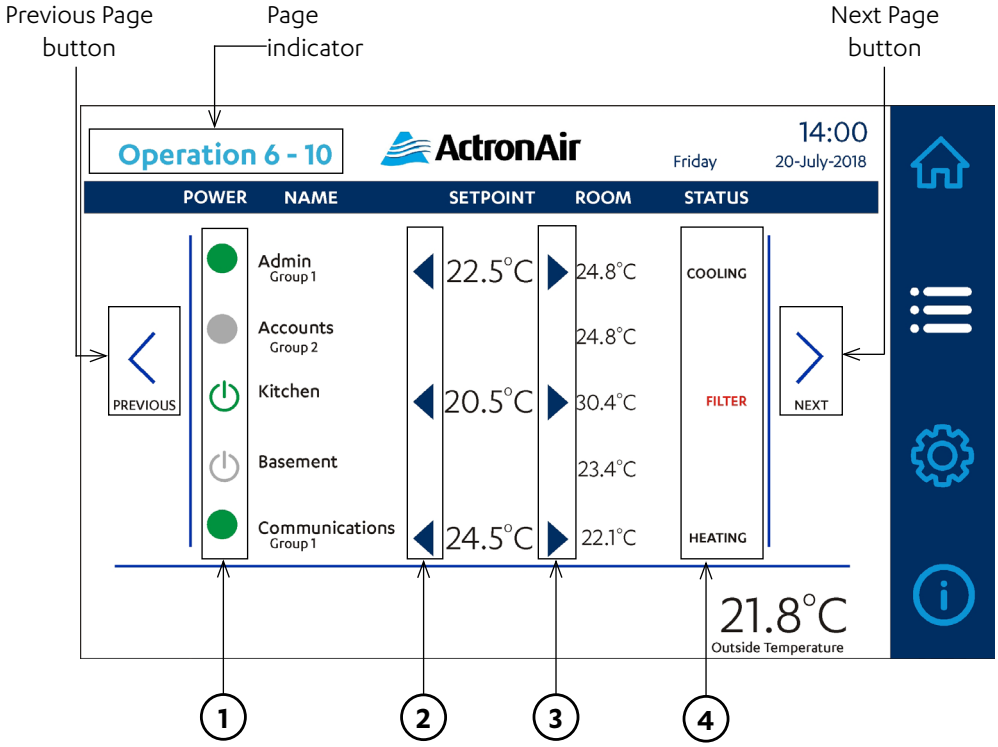
Note: If a group is not to be powered ON, set start and end times to 00:00.

08.02. Operation Page

Operation page shows summary of units in the network. The maximum number of units per network is fifteen.
The Operation page shows a maximum of five units per page.

-Page indicator for first page is "Operation 1-5" which is the summary of System 1 to System 5
-Page indicator for second page is "Operation 6-10" which is the summary of System 6 to System 10
-Page indicator for third page is "Operation 11-15" which is the summary of System 11 to System 15

Use Previous Page/Next Page buttons to navigate through these pages.



	Name	Description
1	Unit Power Button/Indicator	Turns the Unit ON/OFF only if unit is not a member of a Group otherwise, displays the operational state of a grouped unit
2	Lower Set Temperature	Adjust to lower the Set Point Temperature by 0.5°C
3	Raise Set Temperature	Adjust to raise Set Point Temperature by 0.5°C
4	Status Indicator	Status are: Alarm, OFFLINE, COMM ERROR, FILTER, HEATING, COOLING and blank

Note: Units not Enabled will not be visible. Administrator access is required to Enable the Unit (see Section 08.03 Enable/Disable).

08.02.01. Unit Power Button

Only a Unit that is not a member of a Group can be turned ON and OFF by pressing the button.
If a Unit is member of a Group, the button is represented by solid circle and cannot be switched from this screen.
The button is green when unit is ON and grey when the unit is OFF.
If the system is powered off when a Unit that is not in a Group is turned on, that Unit will not turn on when the system power is restored. Grouped Units will operate to their schedule.

08.02.02. Adjusting Temperature

The Set Point can be adjusted within limits by pressing the ◀/▶ buttons beside the Set Point.
-Press ◀ to lower the Set point Temperature by 0.5 °C.
-Press ▶ to raise the Set point Temperature by 0.5°C.

Note:- Tapping the set point value will allow the user to enter a specific set point like 22.7 degree

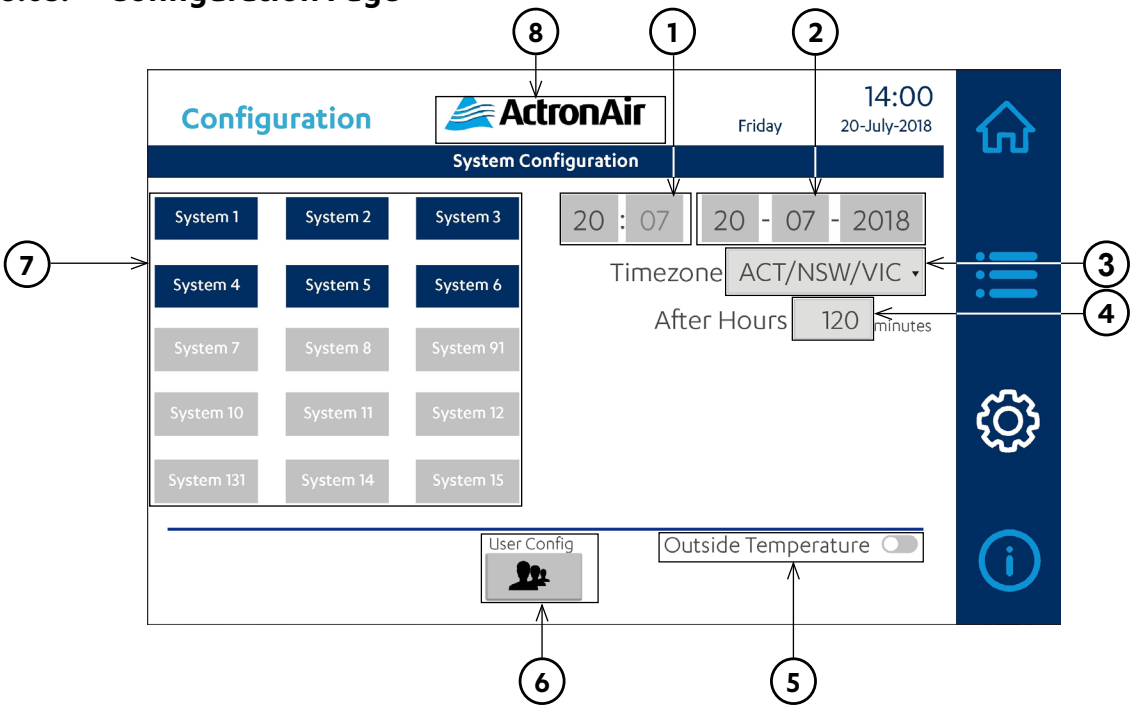
08.02.03. Status Indicator

Status indicator will show, Alarm, OFFLINE, COMM ERROR, FILTER, Heating/Cooling. Status will be blank if the unit is not activated or OFF. The status may be blank if the Unit is on, but there is no heating or cooling demand.

Name	Description
Alarm Icon	Unit alarm output is active (Regardless if the unit is ON or OFF)
OFFLINE	CG10 is not communicating with the CG100
COMM ERROR	Communications are being interrupted by physical or electronic interference
Filter	Filter warning is active (Regardless if the unit is ON or OFF)
Cooling	Shows the operation mode of the system when the compressor is running
Heating	Shows the operation mode of the system (reverse valve) when the compressor is running
	Unit is OFF or the compressor is not running

Note: "Alarm" will override all other statuses. "OFFLINE" overrides other statuses except "Alarm".

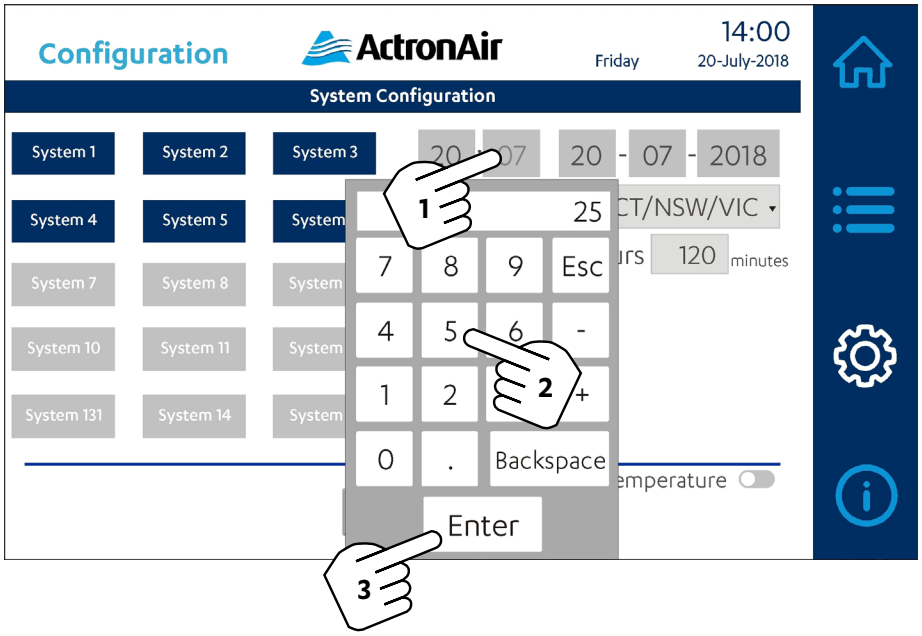
08.03. Configuration Page



	Name	Description
1	24 Hour time	Adjust the time on the controller
2	Date (dd-mm-yyyy)	Adjust the date
3	Timezone	Select the Time Zone
4	After Hours	Adjust the duration of After Hours operation
5	Outside Temperature Switch	Toggles display of outside air temperature
6	User button	Change to manage local user accounts
7	System button	Unit Setting
8	ActronAir Logo	Toggles user to "Operator" access and brings user to Splash screen

08.03.01. 24 Hour Time and Date

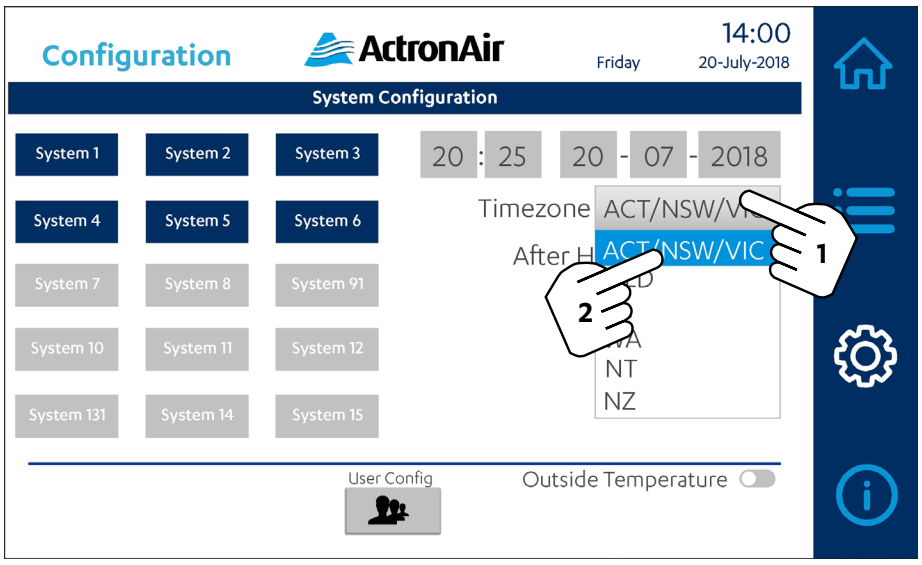
Change time and/or date by taping on the element. Enter new value using the keypad.



Pressing the Escape, “Esc” button will close the dialogue without changing the value.

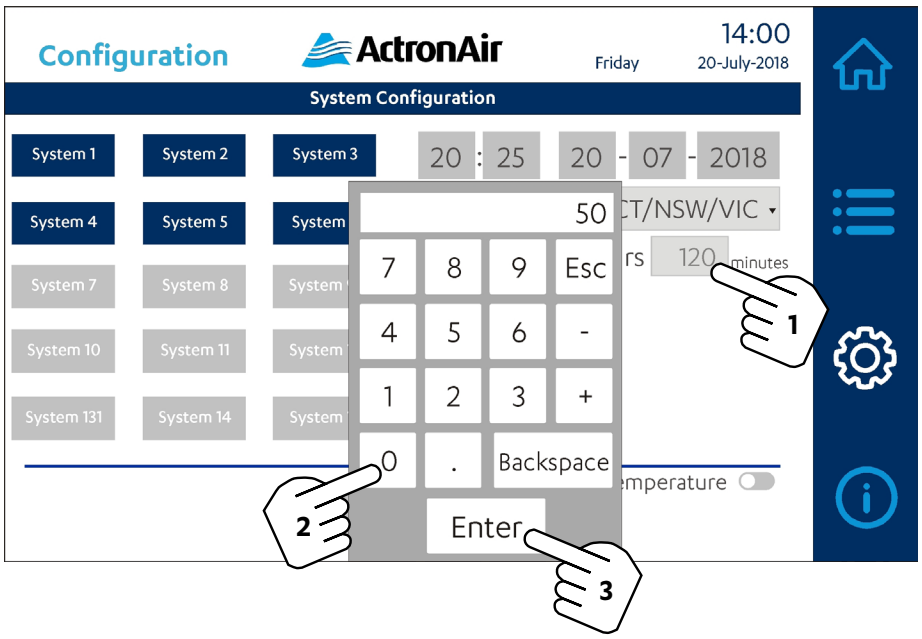
08.03.02. Timezone

To change the Time zone, select the appropriate one from the list:



08.03.03. After Hours

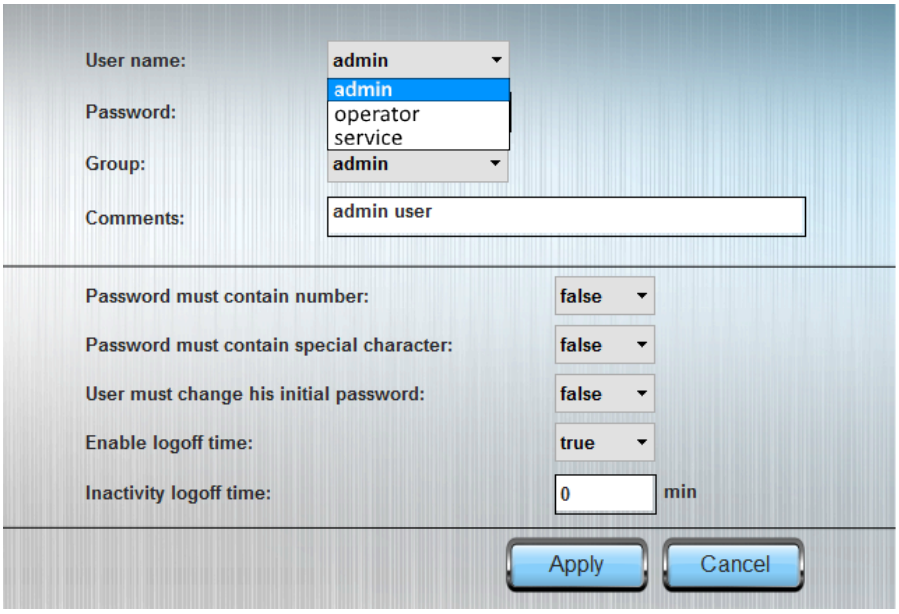
After Hours is the duration (in minutes) in which the all Group will turn ON when the After Hours button on the Home Screen is toggled. By default, this is set to 120 min. The minimum allowed duration that can be set is 10min and the maximum is 120 mins. This duration will apply to all groups. This can be changed by tapping on the element, showing the keypad where new values can be entered.



Pressing the Escape, "Esc" button will close the dialogue without changing the value.

08.03.04. User button

This allows changes on setting for each user. Tapping this button will show the screen below:



It is recommended to change the Administrator password in the initial start up.

Note: To toggle the user to "Operator" access, tap the Actron Logo on Configuration page. Splash screen will then be displayed.

08.03.05. Outside Temperature Display

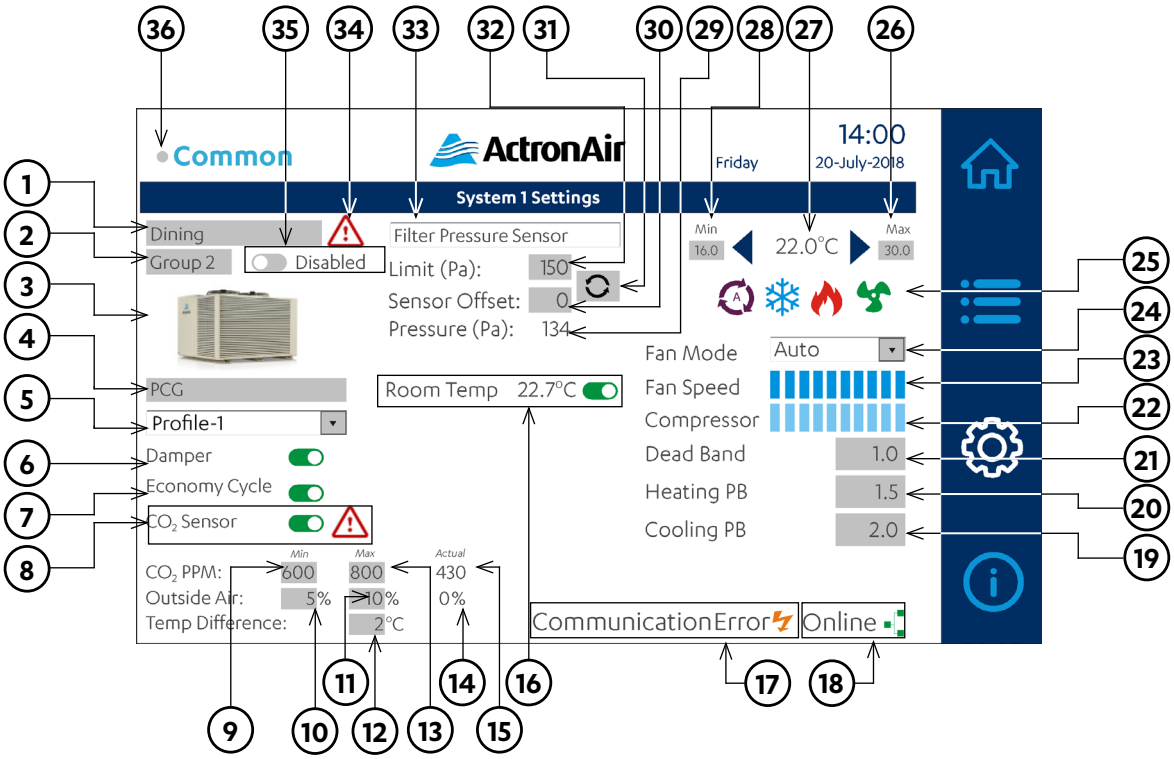
The display of the Outdoor Temperature can be disabled and enabled here. If the Outdoor Temperature sensor is not present or faulty, enabling will cause an alarm indicator to be displayed instead of the temperature measurement.

08.03.06. System button

Each unit has a button to load its Service Page. The button for Units that are enabled will be blue, for disabled units grey. Assigning unit to a System or changing setting of a System can be done by tapping the System button. This will show the Service Page for that System.

08.03.07. Service Page

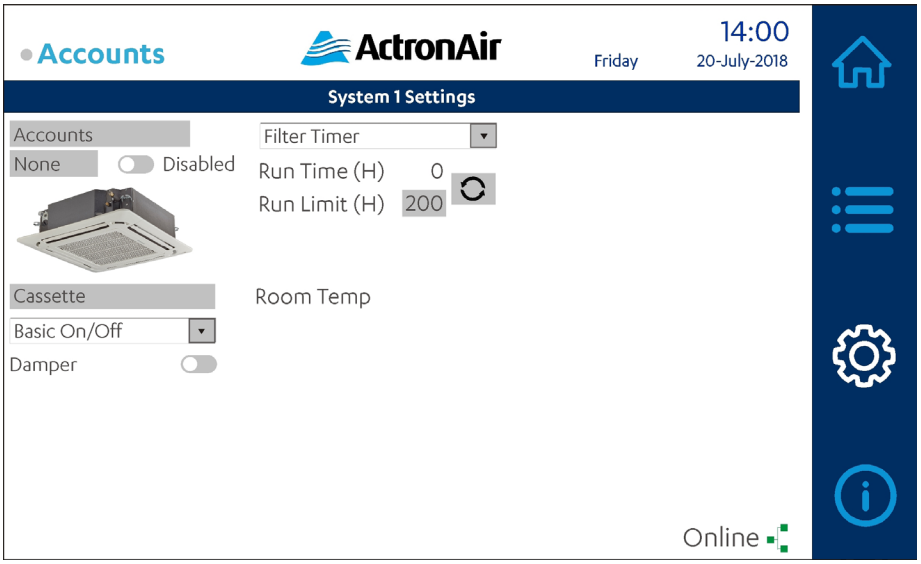
The information in Service window for each unit will depend on the configuration selected. See Section 08.01 (Wiring Diagram Reference Table) of the Installation and Commissioning Guide to determine the configuration of each Unit.



	Name	Description
1	Unit Name	Name assigned to Unit
2	Group	Group assignment List
3	Unit Image	Image representation of the Unit Type selected
4	Unit Type	Model Type selection list
5	Control Profile	Type of unit control drop down menu
6	Damper Setting Switch	Enable Damper Output
7	Economy Cycle Switch	Enable Economy Cycle; Shows only if Damper is enabled
8	CO_2 Sensor Switch CO_2 Alarm	Enable CO_2 Sensor; Shows only if Damper is enabled Alarm is displayed if CO_2 is out of range or not connected
9	CO_2 PPM Min Setting	Available only if CO_2 Sensor Switch is enabled
10	Outside Air Min Setting	Available only if Damper Output is enabled
11	Outside Air Max Setting	Available only if CO_2 Sensor is enabled
12	Temp Difference Setting	Available only if the Economy Cycle is enabled
13	CO_2 PPM Max Setting	Available only if CO_2 Sensor Switch is enabled
14	Outside Air Actual	Displays position of the Damper Opening only if the Damper Output is enabled
15	CO_2 PPM Actual Indicator	Available only if CO_2 Sensor Switch is enabled
16	Room Temperature Display Switch	Toggles Display of the Room Temperature
17	Communication Error Indicator	Shows when there is a communications error between the expansion module and the controller
18	Online Indicator	Indicates the status of the connection between module and web server
19	Cooling PB (Proportional Band) Setting	Compressor demand ramp when cooling
20	Heating PB (Proportional Band) Setting	Compressor demand ramp when heating
21	Dead Band Setting	Band/range where compressor is OFF
22	Compressor Indicator	Shows the proportional demand of the compressor
23	Fan Speed Indicator	Shows the proportional demand of the fan
24	Fan Mode Setting	Fan setting when the unit is ON
25	Mode Button	The mode is set by tapping on the appropriate glyph
26	Maximum Set Temp Limit Setting	Sets the maximum limit that operator can adjust the unit
27	Temperature Set Point	Desired room temperature setting
28	Minimum Set Temp Limit Setting	Sets the minimum limit that operator can adjust the unit
29	Pressure Setting (Pa) Indicator	Available when Filter Pressure Sensor Type is selected
30	Run Limit (H)	Display when Filter Timer Type is selected
30	Sensor Offset Setting	Available when Filter Pressure Sensor Type is selected
31	Reset Button	Available only on Filter Timer Type; Resets Filter Timer to preset 'Run Limit'
32	Run Time (H)	Available when Filter Timer Type is selected
32	Limit(Pa) Setting	Available when Filter Pressure Sensor Type is selected
33	Filter Type Setting	Drop down menu to select Filter configuration
34	Alarm Indicator	Displays when a fault relay output of the corresponding unit is ON
35	Enable Switch	Enable / Disable the System
36	Activity Indicator	Unit is currently running

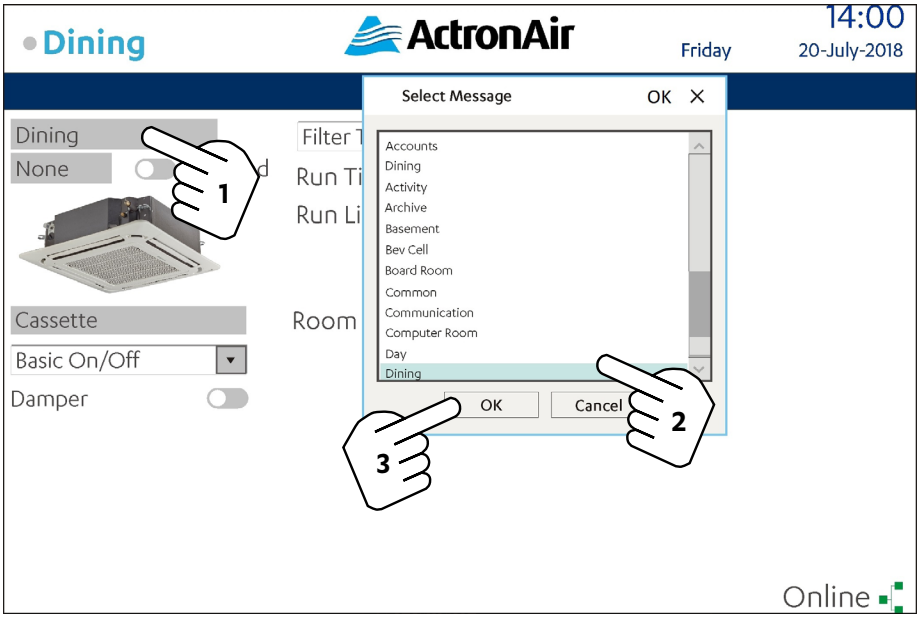
08.03.08. Default Screen

Start Assigning configuration



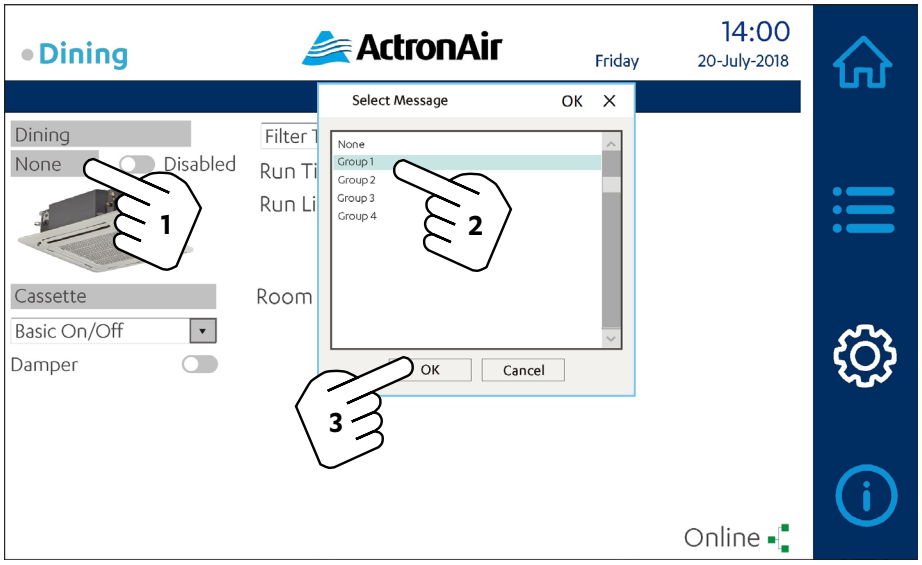
08.03.09. Unit Name

Tapping this element will show the list of available names for the unit. Select an entry and tap "OK" to accept.

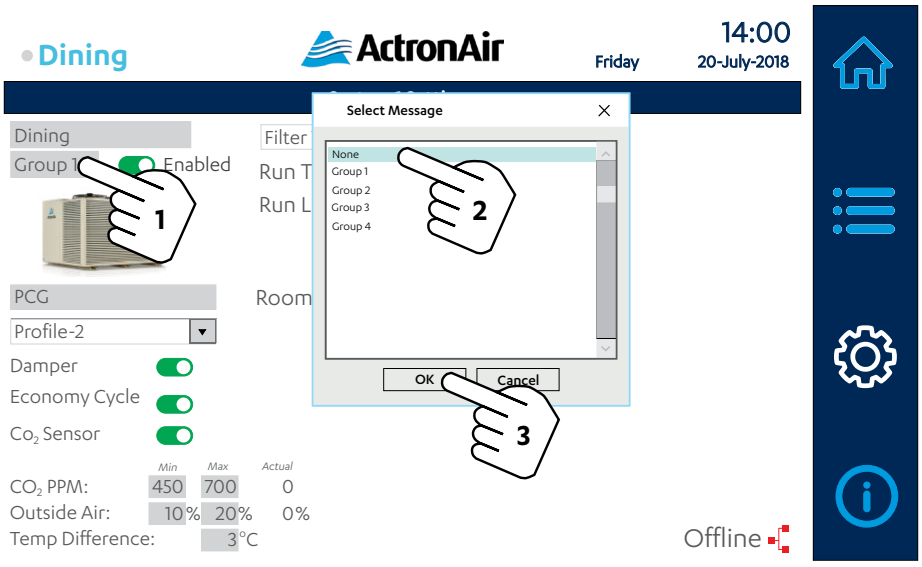


08.03.10. Group

Unit is assigned to a group with the same schedule.
Tapping this element will allow changing the Group of which the current system is a member. Select a Group or None and press OK.



Note: A Unit can only be assigned to a single Group at a given time. The maximum number of Units that can be assigned to a Group is fifteen units.
If no time scheduling is required, on Configuration Page, set group assignment to None. The Unit can then be conrolled (Turn ON and OFF) via the Operation screen ( ), see Operation Page section.



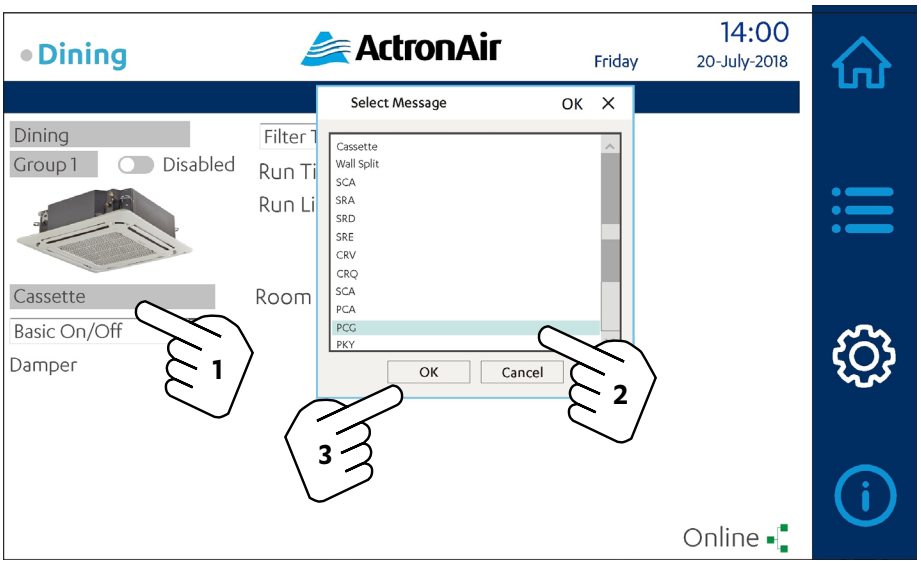
Note: Different control profiles will change the visibility of other control settings.

08.03.11. Unit Image

This image above the Unit Type is automatically updated depending on the selected Unit Type.

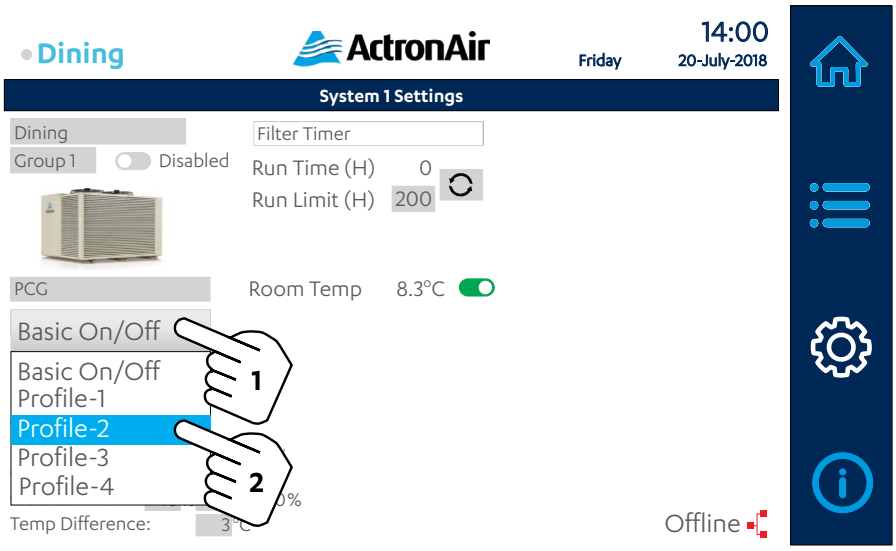
08.03.12. Unit Type

Tapping on this element will show the available model types of air conditioners. Select from the list and click "OK" to accept.



08.03.13. Control Profile

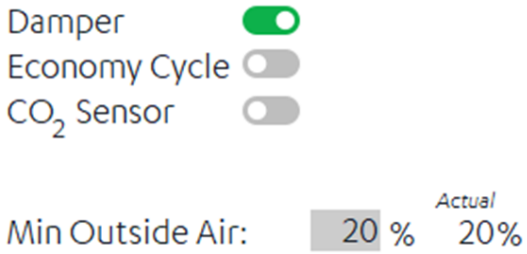
Choose the Controls Profile from the drop down system type.



Note: Different control profiles will change the visibility of other control settings.

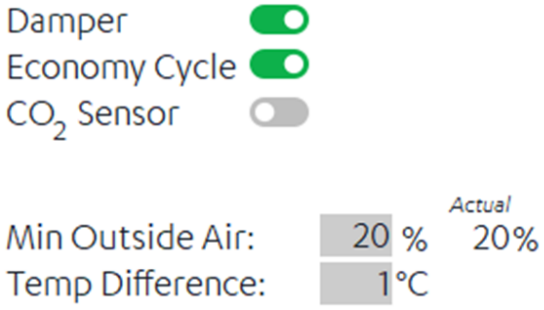
08.03.14. Damper Settings

When the Damper is enabled, additional settings are visible to enable the Economy Cycle and CO_2 Sensor

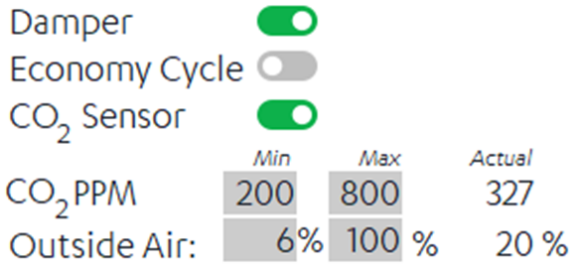


The Economy Cycle and CO_2 Sensor may be enabled independently with relevant configuration items shown.

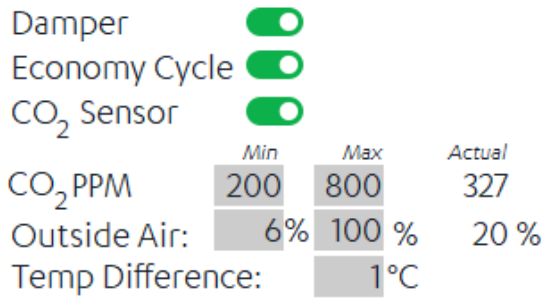
08.03.15. Economy Cycle Only



08.03.16. CO_2 Sensor Only

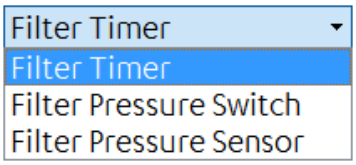


08.03.17. Economy Cycle and CO_2 Sensor enabled



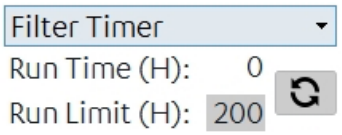
08.03.18. Filter Type

Change filter parameters by tapping in the grey filled fields. Drop down selection will be shown as below:

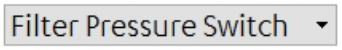


Filter Type Selection:

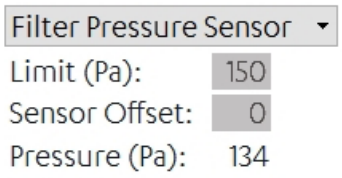
Filter Timer: The Filter Alarm will be displayed when the Run Time reaches or exceeds the Run Limit. The Run Time value is updated every three hours.



Filter Pressure Switch: This may be selected when a normally close pressure sensor switch is used on the system. The Filter Alarm will be displayed when the pre-set value in the pressure switch is reached.



Filter Pressure Sensor: The Filter Alarm is displayed when the pressure reading from the differential air pressure sensor reaches or exceeds the Limit set. The Sensor Offset setting is used to calibrate the sensor reading error during setting up the system.



08.03.19. Set Point Adjustment

Change the Set Point limits by tapping on the value and entering the new value in the keypad or tapping the or buttons beside the Set Point.



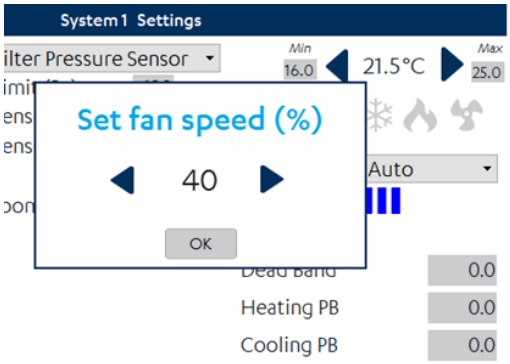
08.03.20. Mode of Operation

Auto (), Cool (), Heat () and Fan-only (). Selected mode will be coloured and the rest will be grey.



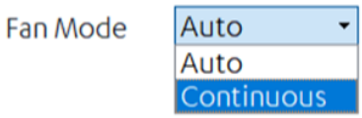
08.03.21. Fan Speed

Tap on the or beside the Fan Speed setting to change



08.03.22. Fan mode

Adjust to Auto or Continuous using the Fan Mode drop down:



If the System is in Fan Only mode, it's not possible to change the Fan Mode (it operates in a continuous manner)

08.03.23. Compressor Indicator

Cooling (Indicator bar is blue)	Heating (Indicator bar is red)
Compressor	Compressor

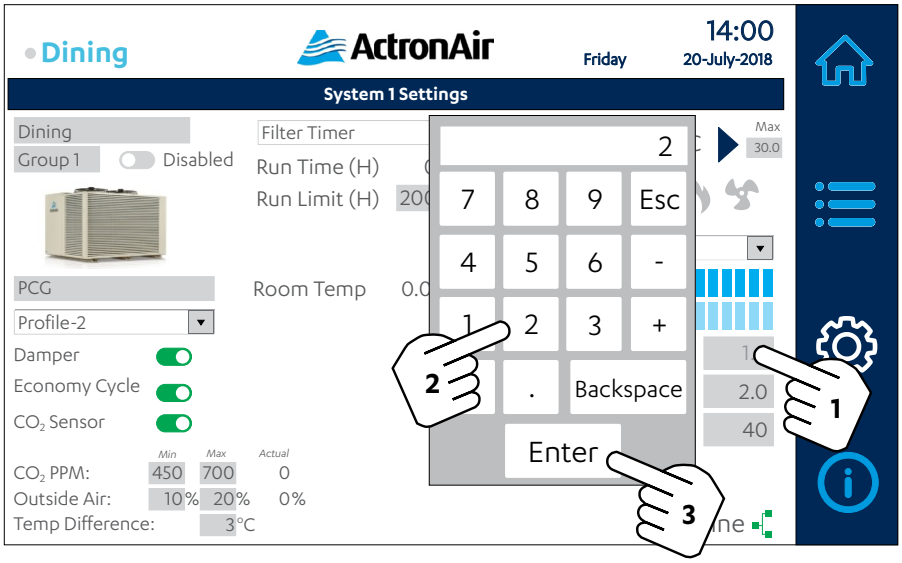
08.03.24. Room Temperature

Enable/Disable the Room Temperature Sensor.
When enabled, Room Temperature will be visible on the Operation Page.



08.03.25. Deadband/Proportional Settings

Set the Deadband, Heating and Cooling Proportional Bands by tapping on the field and entering a number using the keypad



Pressing the Escape, “Esc” button will close the dialogue without changing the value.

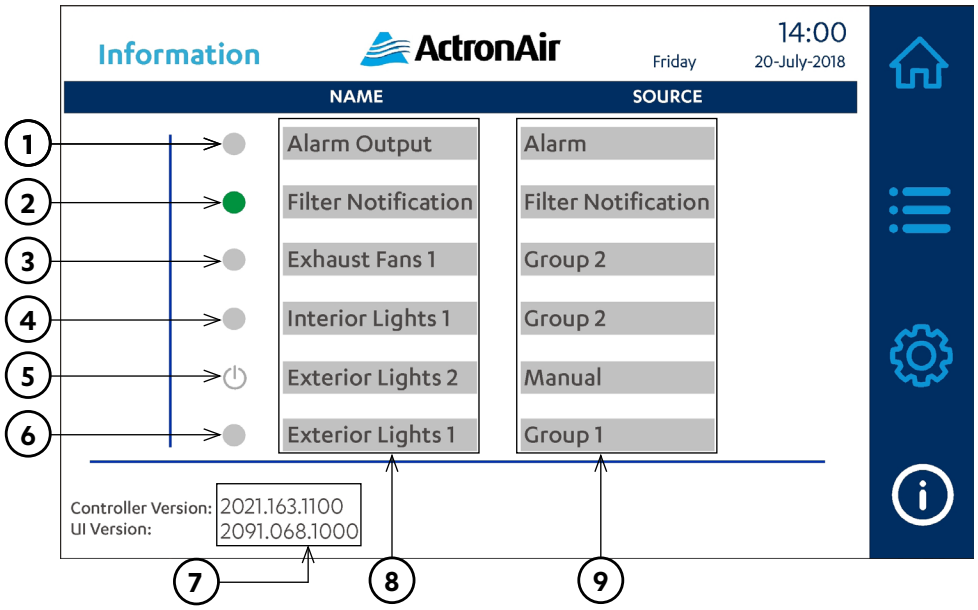
08.03.26. Enable/Disable the system

If the Unit is disabled, it will not be operational and will not be visible in the Operation page



08.04. Information Page

This page shows the status of the configurable outputs.



	Name	CG100 I/O
1	Power button/Indicator	Digital output NO1
2		Digital output NO2
3		Digital output NO3
4		Digital output NO4
5		Digital output NO5
6		Digital output NO6
7	Software Version	
8	Name	
9	Source	

08.04.01. Power Button/Indicator

There are six buttons that are representative of the Digital Output (NO1,NO2,NO3,NO4,NO5 and NO6) of the CG100. The Power button functions as ON/OFF switch only when Source is set to Manual (green if ON and grey if OFF). Otherwise, this button will only be an indicator. Indicator turns solid green only when selected Source is active. Else, the indicator is grey.

08.04.02. Software Version

These Software version of the controllers that needs to be provided when contacting ActronAir service personnel.

- Controller Version is the software version installed on the Main Controller (CG100).
- UI Version is the software version installed on the Touch Screen Wall Controller (CGT100).

08.04.03. Name

Change the Name assigned to the signal by tapping on the field next to the button. Tap a Name from the selection window and click "OK" to accept.

08.04.04. Source

Change the Source assigned to the signal by tapping on the field next to the Name. Tap a Source from the selection window and click "OK" to accept.

- If selected Source is "Alarm", the digital output will be active. Any enabled unit alarm is active or CO_2 Faulty or I/O Com board or I/O board offline or Ambient temperature faulty.
- If selected Source is "Filter notification" the digital output will be active
- If the Air Filter for any enabled unit notification is active
- If selected source is "Group 1,2,3 or 4) then this output will be active baed on the schedule time for the selected group. If selected source is "Manual", the end user can turn ON/OFF the Digital output manually.



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