iZone ®

Installation and User Manual
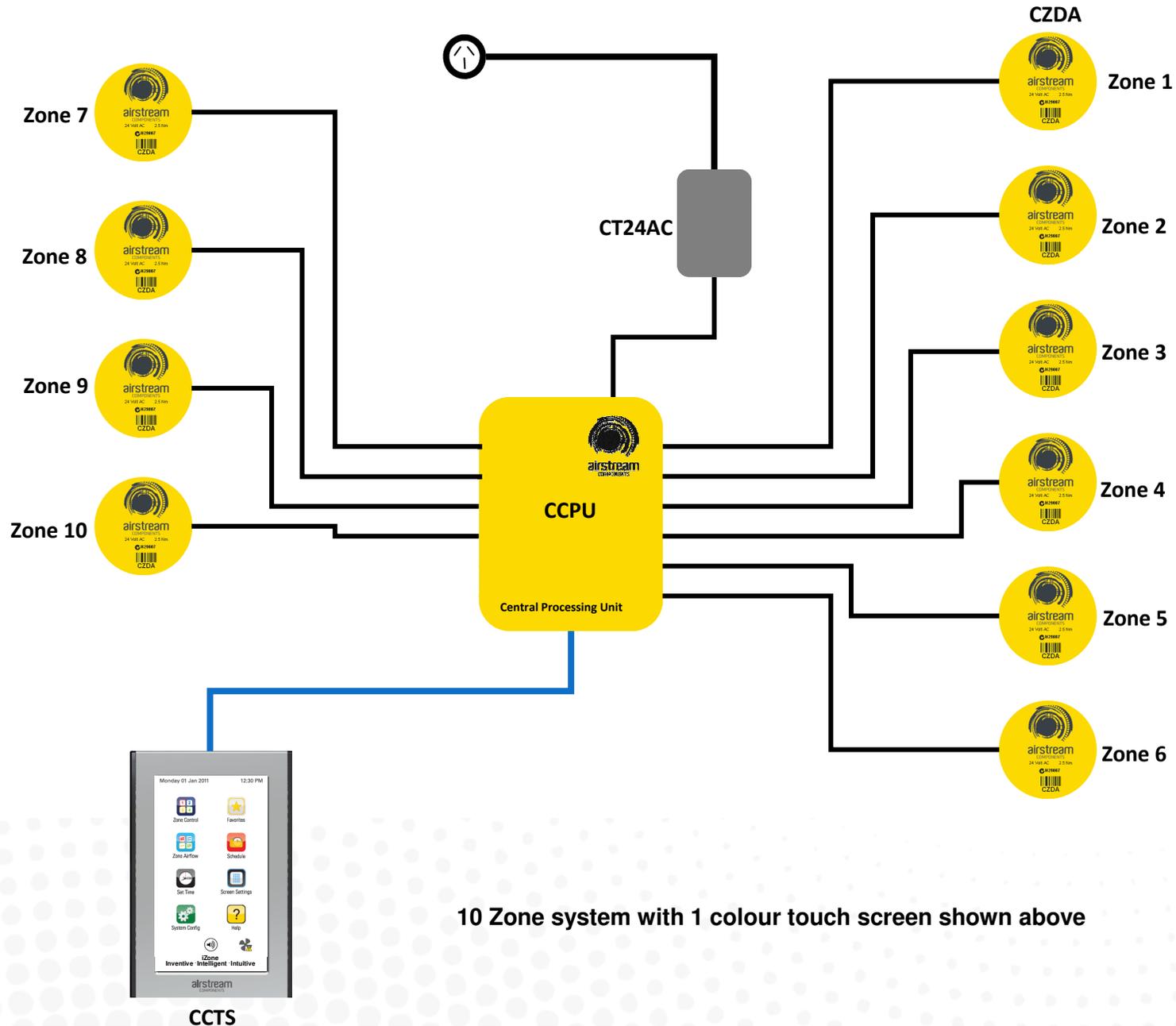
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Table of contents

1.1 Standard wiring layout for open / close zone system

CZDA

Zone 7

Zone 8

Zone 9

Zone 10

CT24AC

CCPU

Central Processing Unit

Zone 1

Zone 2

Zone 3

Zone 4

Zone 5

Zone 6

CCTS

10 Zone system with 1 colour touch screen shown above

4

1.2 Wiring layout when temperature controlled zones are installed

CZDA

Zone 1

Zone 2

Zone 3

Zone 4

Zone 5

Zone 6

Zone 7

CT24AC

CCPU

Central Processing Unit

CCTS in Temperature Controlled zone

CDTS

Installed into the supply air duct off the fan coil unit

CCTS
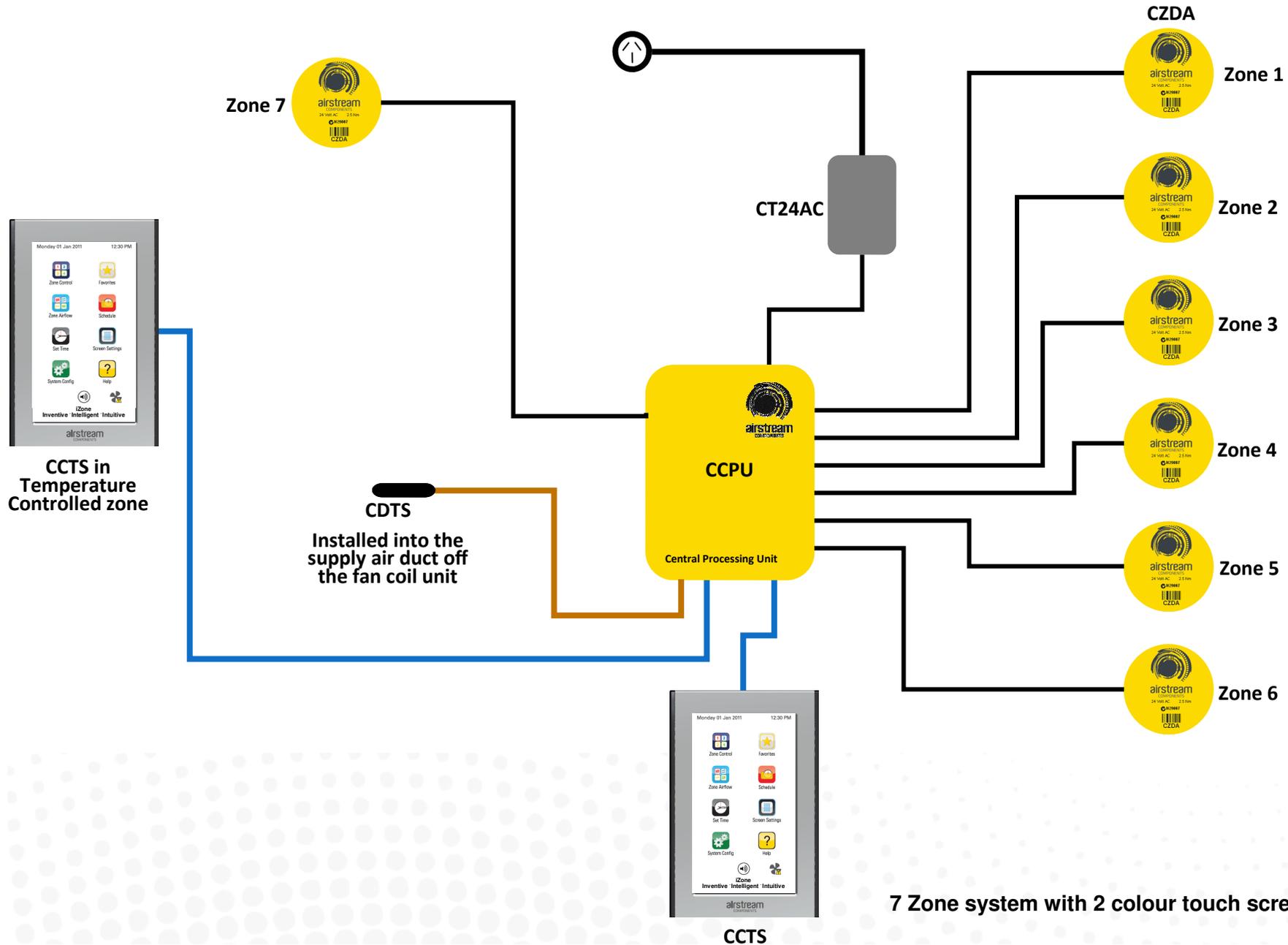
7 Zone system with 2 colour touch screens shown above

1.3 Wiring when more than 3 colour touch screens are installed

CZDA

Zone 1

Zone 2

Zone 3

Zone 4

Zone 5

Zone 6

CT24AC

CT24AC

CDTS

CCPU

Central Processing Unit

CNEM

Network Extension Module

CCTS

CCTS

CCTS

CCTS
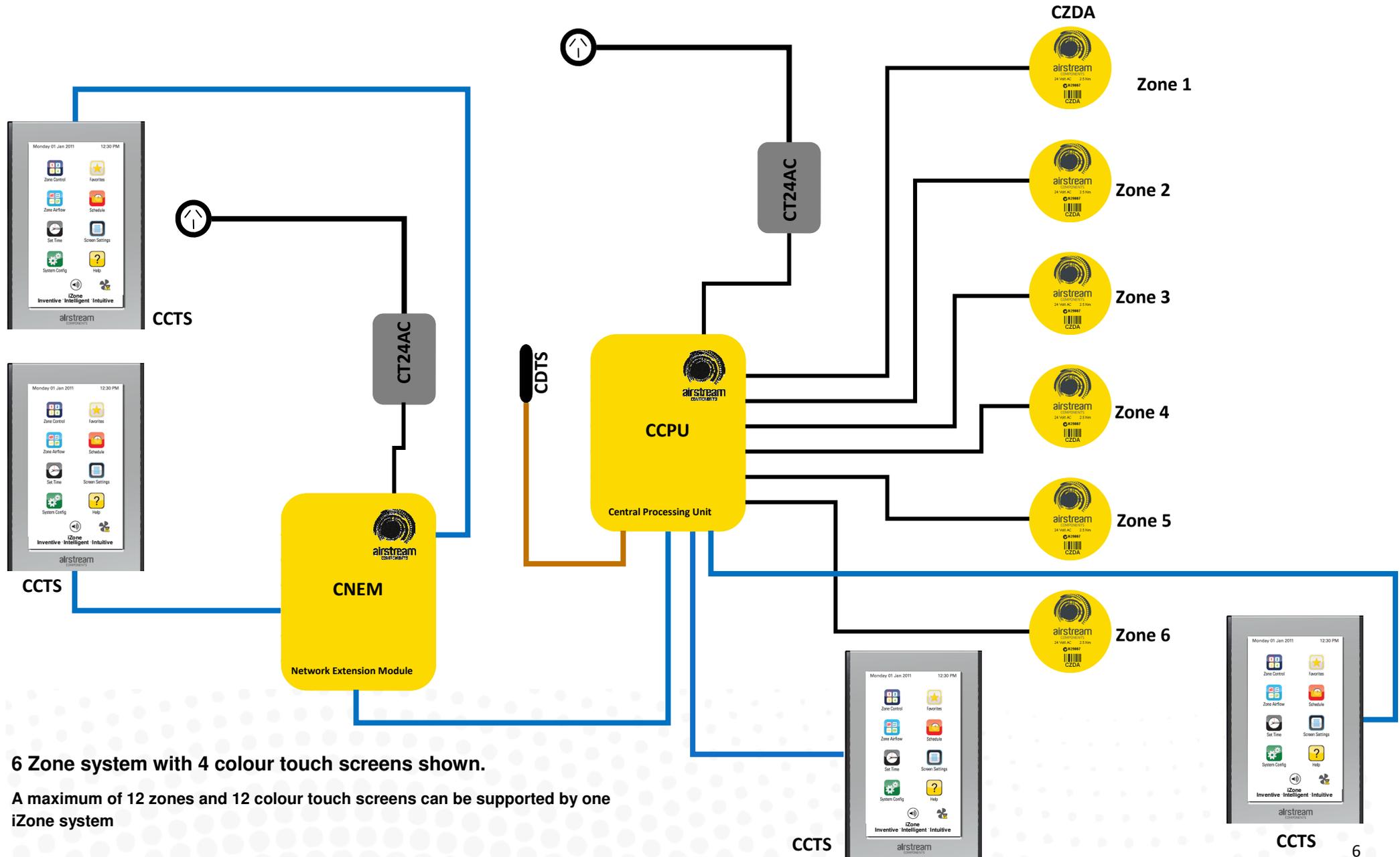
6 Zone system with 4 colour touch screens shown.

A maximum of 12 zones and 12 colour touch screens can be supported by one iZone system

1.4 Installation instructions

1. The CCPU can be installed on top of the indoor fan coil unit.

2. Do **not** run the blue network cables along side 240 Volt wiring.

3. When installing network cables down wall cavities or chasing network cables into walls, tape up and protect the RJ45 connector to avoid damage to the connectors.

4. Always install zones in consecutive ports starting at Zone 1. The back of the CCPU is marked with the zone port numbers.

5. Do not directly hardwire the CT24V into the AC unit's power supply. This may void the warranty as it will require an electrician in the event that a repair of the iZone system is required.

6. Connect Zone Damper Actuators (CZDA) to the zone ports using the RJ11 cables as shown.

7. Connect the Colour Touch Screens (CCTS) to the CCTS ports using the RJ45 cables. If you are connecting more than 3 CCTS to the system you will need to connect a Network Extension Module (CNEM) to the CCPU using a short RJ45 cable.

8. If any CCTS is being used for zone temperature control connect a Duct Temperature Sensor (CDTS) to the CDTS port. Install the sensor into the supply air duct upstream of all dampers. Secure the sensor in place by using reinforced aluminium tape.

9. Connect the power supply to the(CT24AC) port.

10. When installing temperature controlled zones ensure the CCTS for the associated zone is installed in a location that is representative of the temperature in the room / zone . The CCTS should be installed at approximately 1600mm above the floor and should not be subject to draughts, direct sunlight or heat from equipment such as computers, TV screens etc. The supply air outlets to this room must **not** blow conditioned air directly onto the touch screen, as the temperature sensor is located in the CCTS.

2.0 System configuration

WARNING ! Only qualified iZone installers should configure the iZone System. Incorrect configuration could result in damage to your air conditioning unit and system.

2.1   To configure your system click on the System Config icon on the home page.

Enter the system password "**wamfud**" and press the enter button. The enter button must always be touched to save changes.

2.2-2.5   You will now be in the System Configuration area:

Touch here to change the password

Touch here to edit the number of zones installed

Touch here to edit the number of variable electronic constant zones required

Touch here to edit the first tag line

Touch here to unlock the airflow adjustment function on the user screens

Touch here to edit the second tag line

Touch here to lock the airflow adjustment function on the user screens

Touch here to set up and configure each zone (see 2.1)

2.6 Zone set up

This is the zone that is currently being configured. If the zone has been named its name will show here

Touch here to go to the home screen

Touch here to increase the maximum airflow to the zone

Touch here to decrease the maximum airflow to the zone

Touch here to increase the minimum airflow to the zone

Touch here to decrease the minimum airflow to the zone

Touch here to make this zone an electronic variable constant

Touch here repeatedly if more than one constant zone is required. This will step through the constant numbers. Select which constant you want this zone to be

Touch here to make this zone a temperature controlled zone. This must only be done from the screen installed in the temperature controlled zone

Touch here to make this zone an open / close zone

Touch here to proceed to the next zone

Monday 01 Jan 2011　　　　**12:30 PM**

Zone 1

80%
Max Airflow

Increase ▲

Decrease ▼

10%
Min Airflow

Increase ▲

Decrease ▼

Constant | No 9

Climate Control

Open / Close

Next | Previous | Back

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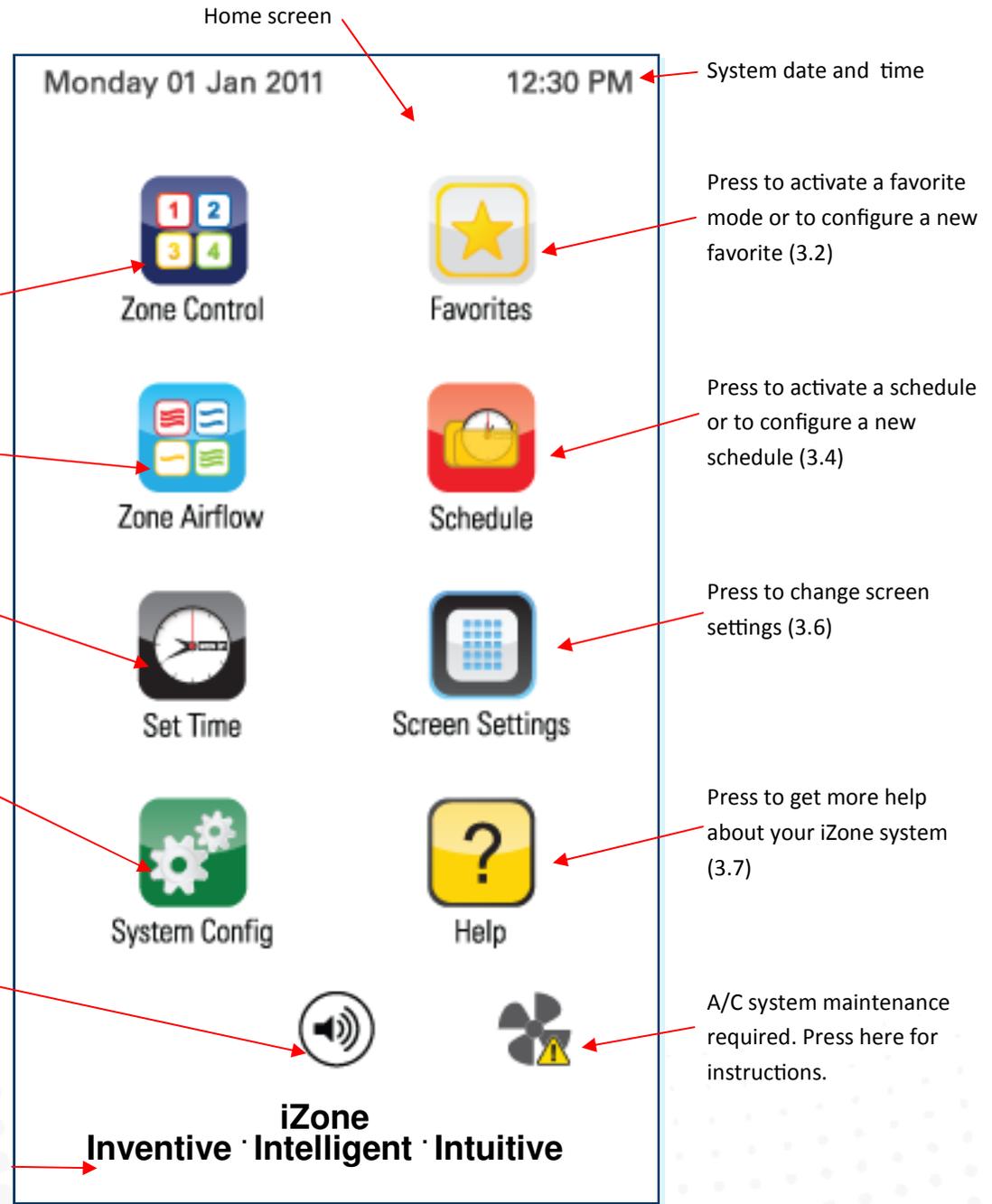
3.0 User manual

1. To get back to the Home screen at any time press ⌂

3. When entering names or values using the keyboard it is easier to use a thin object such as a toothpick. Do not use sharp, hard objects as they may damage the screen. The enter button must always be pressed to save the changes you have made. ↵

4. Some functions may have been locked by your installer to ensure the commissioned values are not changed. To make changes to these values contact your installation company.

Home screen

Monday 01 Jan 2011   12:30 PM

System date and time

Press to change zone status (3.1)

Zone Control

Favorites

Press to activate a favorite mode or to configure a new favorite (3.2)

Press to change zone airflow (3.3)

Zone Airflow

Schedule

Press to activate a schedule or to configure a new schedule (3.4)

Press to set system time (3.5)

Set Time

Screen Settings

Press to change screen settings (3.6)

Press to configure system time (2.0)

System Config

Help

Press to get more help about your iZone system (3.7)

Press to activate or deactivate this screens audio feed back (beep on touch)

A/C system maintenance required. Press here for instructions.

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Installing company's tag line this will vary depending on the installation company

10

3.1 Zone control

Indicates this zone is currently in climate control mode

Zone Name. Press to edit zone name and other zone settings (3.2)

Indicates this zone is currently fully open

Indicates this zone is currently closed

Indicates the hall is an electronic constant and it is currently active

Scroll up or down to see more zones

Monday 01 Jan 2011   **12:30 PM**

Zone Summary

Zone 1	24.5°C
Living room	Closed
Dining room	23.5°C
Kitchen	Open
Master bedroom	22.5°C
John bedroom	23.0°C
Study	Closed
Hall	Const

Up   **Down**   **Back**

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Indicates Zone 1 temperature set point. Press here to change the Set point. (3.3)

Indicates this zone is closed. Press here to open the zone

Indicates this zone is open. Press here to close the zone

Indicates this zone is currently be overridden by the system and is being used as a constant because too many zones are closed

Press here to go back to the home page

3.1.1 Edit zone names & settings

Current zone being edited

System zone number and display name

Current zone status

Zone maximum and minimum air flow set points

Status of this zone if it has been selected as an electronic constant

Press to edit zone name

Press to edit current zone status

Press to change maximum and minimum airflow set points

Press to increase or decrease air flow set point

Monday 01 Jan 2011   12:30 PM

Dining Room

Zone 3 Dining Room

Status Climate Control

Max Airflow 80%

Min Airflow 10%

Constant Zone Inactive

10%
Min Airflow

Increase

Decrease

Next   Previous   Back

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3.1.2 Adjusting temperature controlled zones

Indicates current zone being adjusted

Indicates current temperature set point required for this zone. Your air conditioning unit temperature set point should be set approximately 2°C below your lowest zone set point in summer and approximately 2°C above your highest zone set point in winter

Press here to fully open this zone

Press here to allow iZone to automatically control the temperature in this zone

Indicates the actual temperature in this zone (as measured by iZone)

Scroll up or down to see more zones

Press here to increase the current zone set point temperature

Press here to decrease the current zone set point temperature

Press here to close this zone

Indicates the current temperature of the air inside the air conditioning system ductwork

Press here to go back to the zone summary

Monday 01 Jan 2011   12:30 PM

Dining Room

23.5°C
Setpoint

Increase ▲

Decrease ▼

Open ▬

Close

Climate Control

23.5°C
Actual Temp

22.5°
In Duct Temp

Next   Previous   Back

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3.2 Favorites

Press the favorite you would like and iZone will automatically change all the zones settings for this favorite

Indicates this favorite has not been used

Press here to setup and edit favorites (3.2.1)

Monday 01 Jan 2011   12:30 PM

⭐ Favorites   🏠

⭐ PM Nap   ⭐ Watch TV   ⭐ Wake

⭐ All Bedrooms ⭐ Meals & Living ⭐ Dinner Party

⭐ Living, Dining, Kitchen ⭐ User assign ⭐ User assign

✏️ Assign Favorites   ↩ Back

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3.2.1 Assign and edit favorites
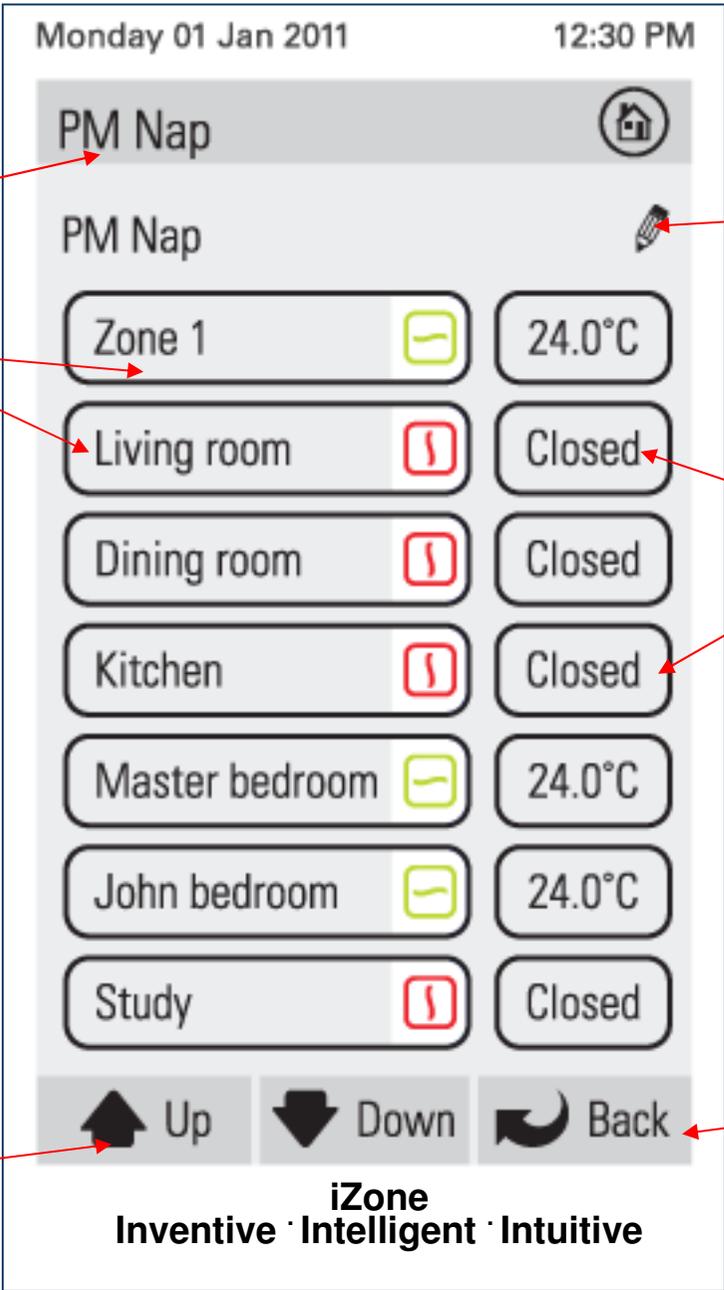
Indicates current favorite being changed

Zone names

Press here to change the name of this Favorite

Indicates what mode you want each zone to operate in when this favorite is used. Change each zone setting to suit your requirements for this favorite

Scroll up or down to see more zones

Press here to go back to the favorites summary

Monday 01 Jan 2011   **12:30 PM**

PM Nap

PM Nap

Zone 1   24.0°C

Living room   Closed

Dining room   Closed

Kitchen   Closed

Master bedroom   24.0°C

John bedroom   24.0°C

Study   Closed

▲ Up   ▼ Down   ↩ Back

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3.3 Zone airflow summary

Indicates current minimum air flow setting to this zone

Indicates current maximum air flow setting to this zone

Press here to change the zone air flow settings 3.3.1

Zone name

Scroll up or down to see more zones

3.3.1 Changing zone airflows

Indicates current zone that you are changing the air flow

Indicates the current maximum airflow setting for this zone

Indicates the current minimum airflow setting for this zone

(This is usually set at 0%)

Scroll up or down to see more zones

Press here to increase the maximum airflow to this zone

Press here to decrease the maximum airflow to this zone

Press here to increase the minimum airflow to this zone

Press here to decrease the minimum airflow to this zone

Press here to go back to the airflow summary

Monday 01 Jan 2011   **12:30 PM**

Living Room

90%
Max Airflow

Increase ▲

Decrease ▼

30%
Min Airflow

Increase ▲

Decrease ▼

Next   Previous   ↩ Back

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3.4 Schedules

Any of your favorites can be set to automatically start at any time of your choosing. Press here to enable the time based schedule for favorite PM Nap

Indicates an automatic time schedule as been enabled for this favorite

Indicates no automatic time schedule as been enabled for this favorite

Press here to set up or edit a schedule on any favorite (3.4.1)

Monday 01 Jan 2011   **12:30 PM**

Set Schedule

PM Nap   Watch TV   Wake

All Bedrooms   Meals & Living   Dinner Party

Living, Dining, Kitchen   User assign   User assign

Edit schedules   **Back**

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3.4.1 Setting and editing a schedule

Indicates current schedule that you are changing or setting

Indicates the start time for this schedule

Indicates the days this schedule will not run. Press the day you want the schedule to apply to

Press next to see the next schedule

Monday 01 Jan 2011   12:30 PM

PM Nap

24Hr Time Format

START - 14:00

Mon Tue Wed Thu Fri Sat Sun

Delete this schedule

1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L ↵
Z X C V B N M , . /
◀ ▶ ⇧   Space   ←

Next   Previous   Back

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Indicates the days this schedule will apply. Press to stop the schedule running on this day.

Press here delete this schedule

Press the key pad to change the time. Remember it is in 24 hour format so for 2:30am type in 0230

Press the enter button to save your new setting

Press here to go back to the schedule summary

3.5 Setting the time

Monday 01 Jan 2011   12:30 PM

Set Time

24Hr Time Format

12:30

01 / 01 / 2011

Date / Month / Year

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	↵
Z	X	C	V	B	N	M	,	.	/

◀ ▶ ⇧   Space   ←

Back

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Current time

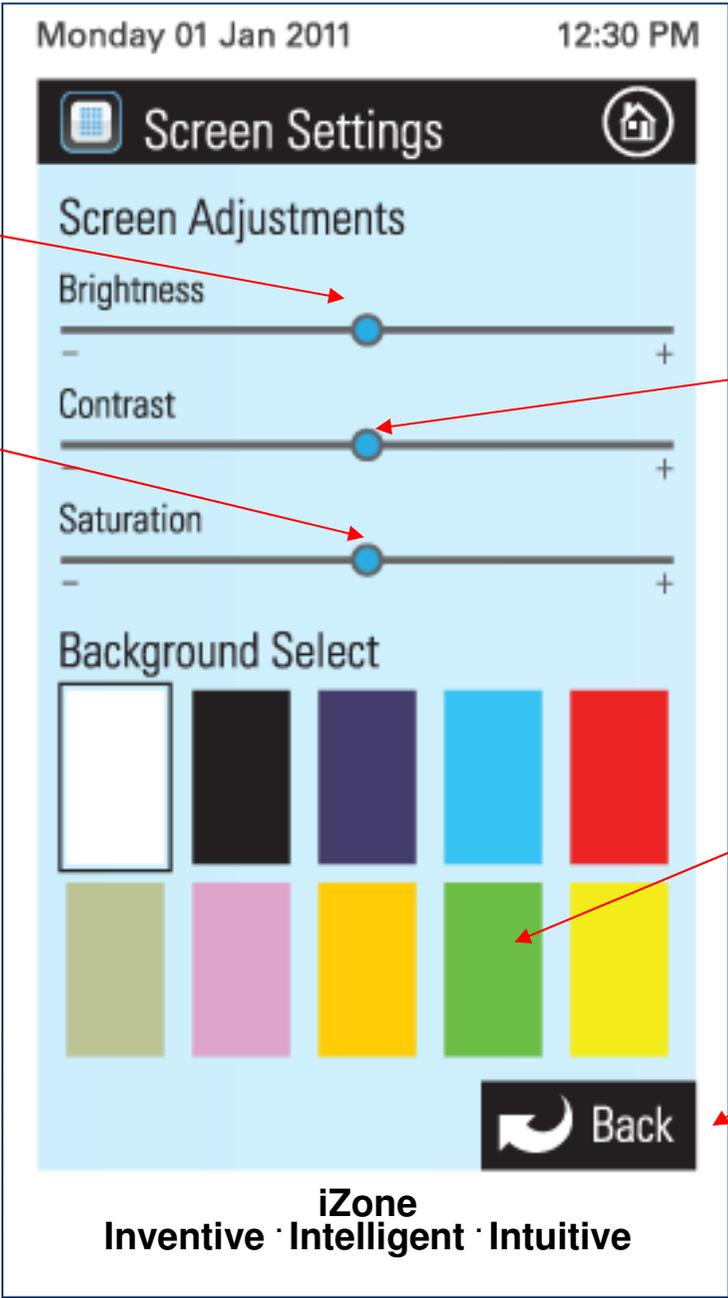Current date

Indicates the minutes are be changed

Press the left or right arrows to move to the value you want to change

You must press the enter button to save the changes you have made

3.6 Changing the home screen colour

Slide left / right to adjust the screen brightness

Slide left / right to adjust the screen saturation

Slide left / right to adjust the screen contrast

Press the colour you would like for your home screen. Fine adjustments to the shade, tone, hue can be made using the brightness, contrast and saturation slides

Press here to go back to the home screen

Monday 01 Jan 2011   12:30 PM

Screen Settings

Screen Adjustments

Brightness
−   +

Contrast
−   +

Saturation
−   +

Background Select

Back

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3.7 Further assistance

1. If your zone airflow adjustment has been locked you will need to contact your installation company to arrange for them to unlock this setting.

2. If you require warranty or maintenance on your air conditioning system or iZone system you should contact your installation company.

3. If you want to add more zones or temperature control to any zone you should contact your installation company

4. If your require assistance operating your iZone contact
   Airstream Components
   www.air-stream.com.au
   info@air-stream.com.au
   Phone 08 6254 2486