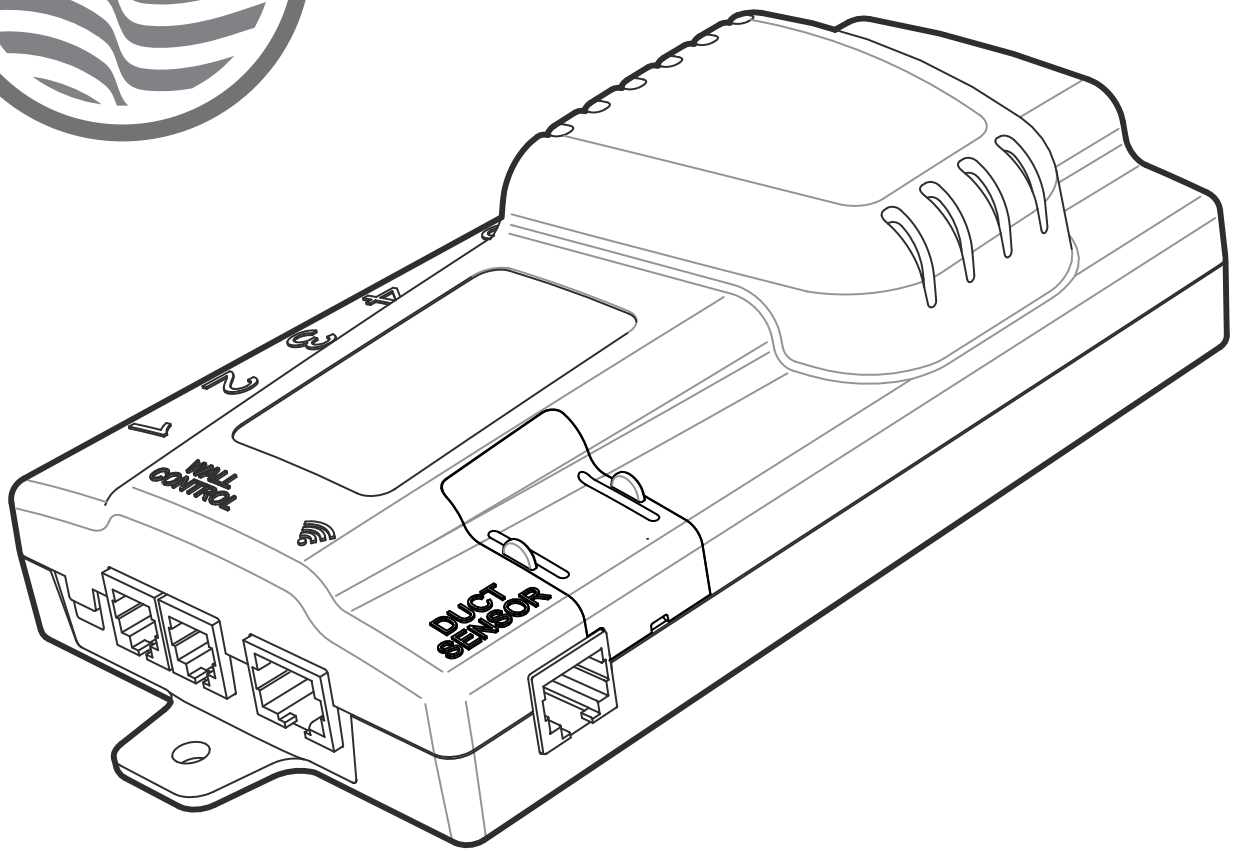
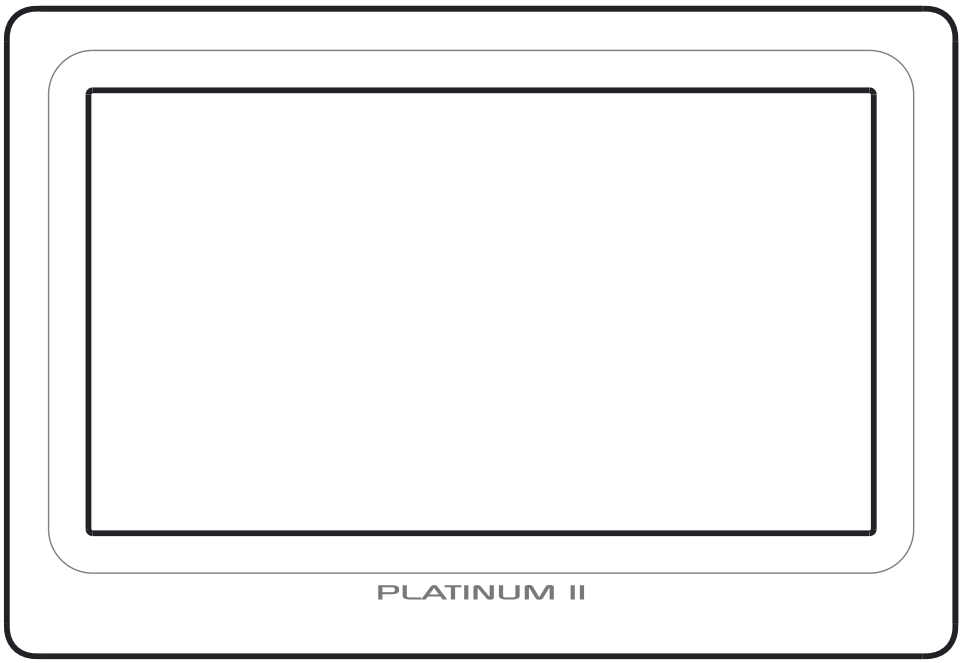
PLATINUM II
ZONE CONTROL SYSTEM





ADVANCED SET UP FEATURES

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SYSTEM SET UP

1. System Set Up

Advanced Set Up features are accessible from the System Set Up screen, during the original set up or by pressing the settings icon on the top right corner of Base Screen (installer code will be required).

There are three Advanced Set Up features as shown.

2. Advanced Zone Set Up

Zones can be locked so that the end user cannot change zone settings from the Base Screen.

This will be indicated on the Base Screen by the padlock icon.

Zones can also be hidden so they do not appear on the Base Screen.

SYSTEM SET UP

Zones can be set up as ‘Return’ or ‘Outside’ air. These Zones have different behaviour characteristics to a standard Zone - refer to Economy Set Up section for more details.

Zones set as Relief Zones will be blanked out as shown.

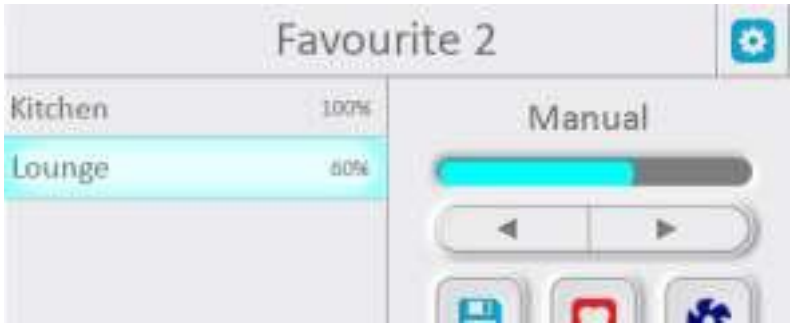
Multiple zones can be configured as ‘Return’ or ‘Outside’ air.

NOTE: Zones set as ‘Return’ or ‘Outside’ air are automatically locked and hidden on the Base Screen.

If Zones are locked during the original setup process, the locked Zones will be locked across all Favourites. However it is possible to make alternate Favourite configurations from the Base Screen prior to locking the Zones, then go back into the Advanced Zone Set Up and lock Zones. This allows for more than one 'locked' Favourite setting. Any default Favourites will have all Zones locked to the default position.

So in the example shown, Summer Settings, Winter Settings and the other renamed Favourites will each have an individual set of locked Zone conditions, however the default Favourites 6, 7 & 8 will keep the default Favourite settings.

If zones are hidden and there is a fault with the hidden Zone Damper or Sensor, this Zone will temporarily appear until the problem is resolved. The same will occur to highlight a wireless Sensor battery is running low.



3. Zone Balance

This function enables the installer to balance a system from the Touch Screen by setting limits on the maximum opening position of the Zone Dampers.
In an Auto system, these will be the minimum and maximum openings allowed. For example if the 'Max' setting is 60% and 'Min' setting is 10%, Auto mode will have only three positions – 60%, 30% and 10%.

When 'Activated', the Zone Damper positions cannot be changed by the end user and the message as shown will be displayed on the Base Screen.

The 'Activated' button sets the limits across all Zones simultaneously.

NOTE: The Relief function takes into consideration the 'Max' opening settings when calculating minimum opening requirements.

'R' & 'O' indicate Zones set as 'Return' or 'Outside' air. Therefore the 'Outside' air Zone can be set such that a minimum amount of outside air always enters the system - it will never fully close. Refer to Economy Set Up section for more details.

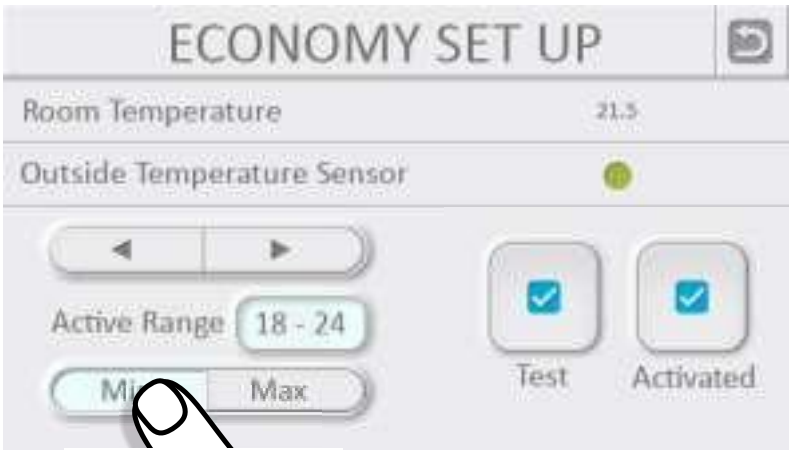
If only Zones set to 'Return' or 'Outside' are given 'Min' and 'Max' values, the Base Screen will remain as shown - it will not show the 'Adjustment of Zone settings not available' message. This allows the end user to make changes to Zone settings when installer limits have been placed on the 'Return' and/or 'Outside' Zone Dampers.

4. Economy Set Up

This function enables the installer to set up an Economy Mode to allow Zone Dampers configured as 'Outside' air to automatically bring in fresh air when the outside air temperature is below the measured Room Temperature and falls within the set Active Range. Refer to the diagram on Page 11 that shows a typical system configuration for use with the Economy Mode feature.

NOTE: The displayed Room Temperature is an average of all the active room Sensors, (also displayed on the Diagnostics screen).

Active Range 'Min' and 'Max' can be adjusted using the arrow keys.



The installer can test the system in Economy Mode by pressing the 'Test' button. This enacts the Economy Mode Zone Damper positions so the air flow of the system can be checked.

Ensure ‘Test’ is cancelled and the mode is ‘Activated’ when the set up is completed.

So when the system is in Cooling Mode, if the measured outside air drops to less than Room Temperature (provided this is within the adjustable Active Range) for a continuous period of 5 minutes, the Economy Mode is activated and will be indicated by an ‘E’ icon in the top left corner of the Base Screen.

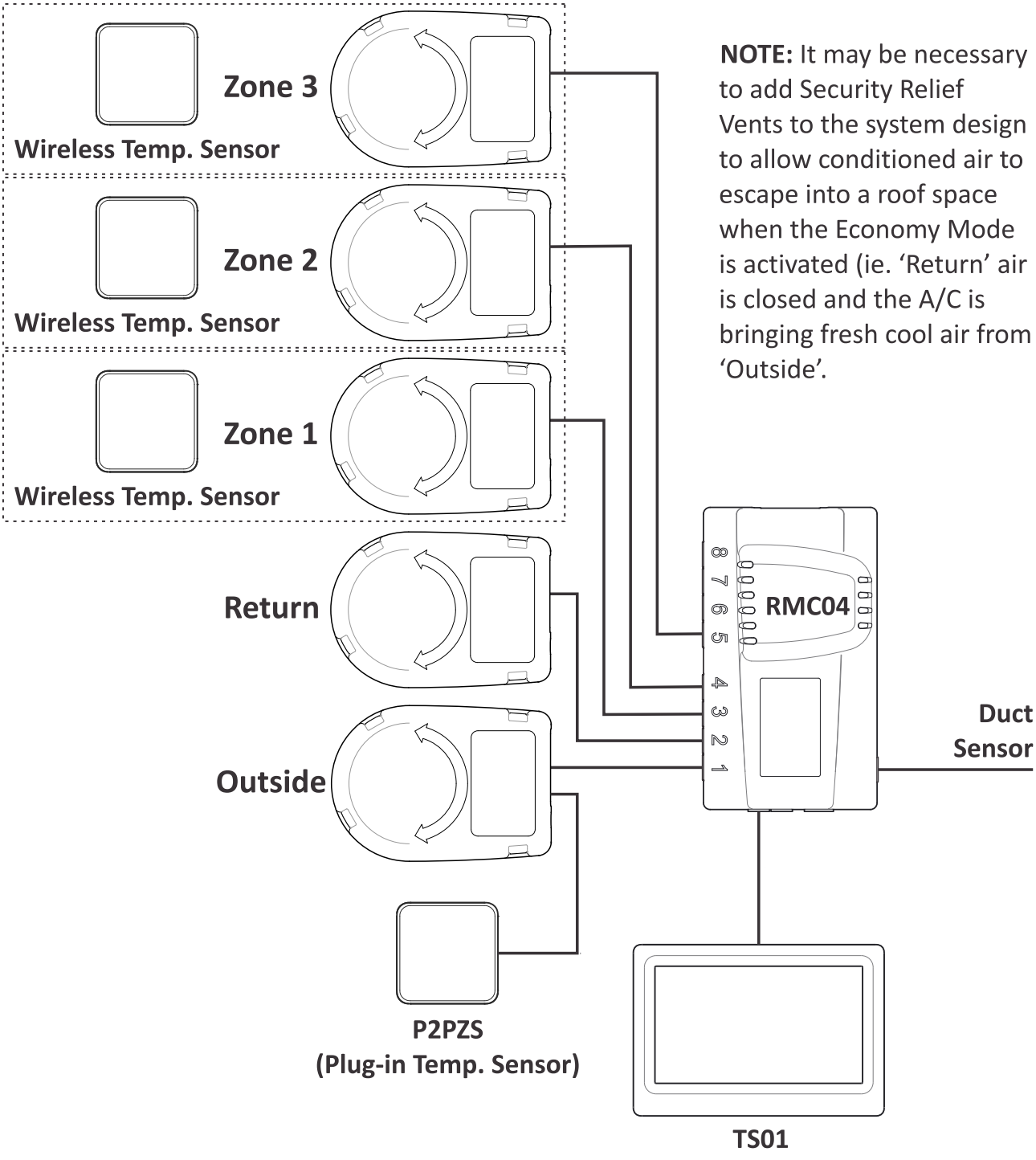
During Economy Mode, Zones configured as ‘Outside’ air open to their ‘Max’ setting, and Zones configured as ‘Return’ air close to their ‘Min’ setting.

NOTE: ‘Outside’ air zones open prior to ‘Return’ air zones closing when Economy Mode is activated and vice versa when it ends.

Economy Mode is deactivated if the measured outside air rises to 1°C above Room Temperature or it falls outside of the Active Range for a continuous period of 5 minutes. Economy Mode is also deactivated if Cooling Mode ends.

Economy Mode can also be temporarily deactivated by the end user by pressing the 'E' icon. This will reset once the Economy Mode conditions end.

5. System Configuration for Economy Set Up



NOTE: It may be necessary to add Security Relief Vents to the system design to allow conditioned air to escape into a roof space when the Economy Mode is activated (ie. 'Return' air is closed and the A/C is bringing fresh cool air from 'Outside'.

NOTE: The Plug-in Temperature Sensor should be mounted in outdoor shade so a reasonable measurement of outside temperature can be obtained. If more than one Zone is configured for 'Outside' air, it doesn't matter which of these Zone Dampers the Sensor is linked to.

6. Notes

All service to the Platinum II system must be carried out by an approved Air Diffusion Agencies service technician, and must not be done by unqualified personnel. Repairs carried out by unqualified personnel will void warranty.

Air Diffusion Agencies strive to implement continuous product improvement, therefore specifications are subject to change without notice.

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