

7" Touchscreen User Manual



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1. Temperature

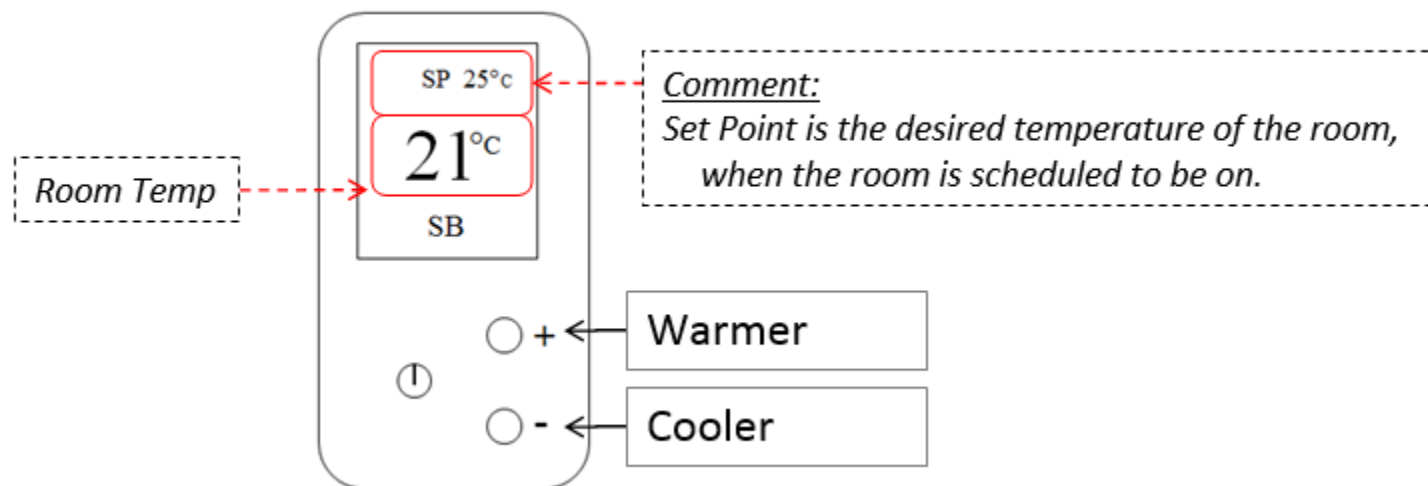


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1.1 How do I adjust the temperature at sensor?



Press + and – buttons to adjust the room SP (Set Point)



1.2 How do I adjust the temperature at console?

1. Press – Zone Settings





2. Use  arrows to find
 which room you
require



1.2 How do I adjust the temperature at console?

3. Press Zone Number



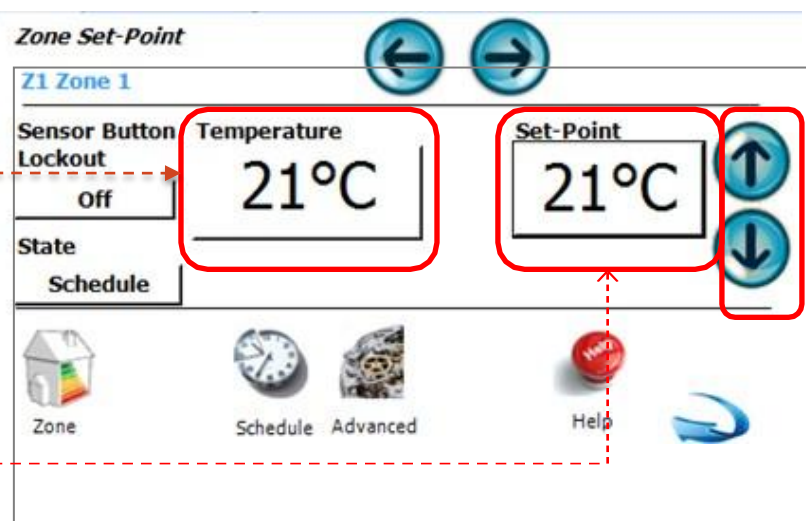
4. Use  to adjust the room
 set point

Comment:

Actual room temperature

Comment:

Set Point is the desired temperature, when the room is scheduled to be on.



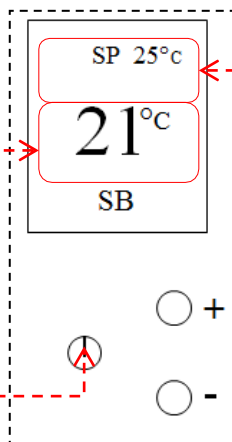
1.3 How do I use the buttons on the sensor?

Press + & – buttons to adjust the room SP (Set Point)

Comment:

Set Point is the desired temperature, when the room is scheduled to be on.

Room Temp



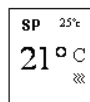
Comment: Mode Button

Warmer

Cooler

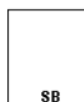
Zones Status

Timer :



Room follows
Timer schedule

Stop:



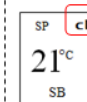
Room Ignores schedule
Stay in Set Back

Disable



Room Ignores schedule
Stay in Frost Protection

Cooling



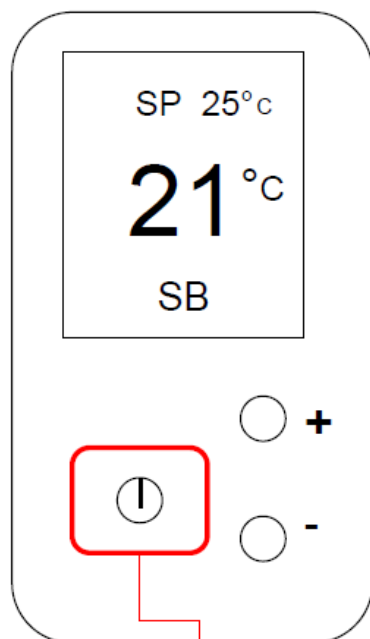
Cooling Enabled
**Only displayed when
cooling setup in building**



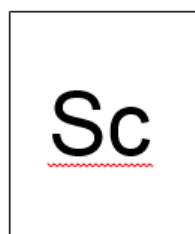
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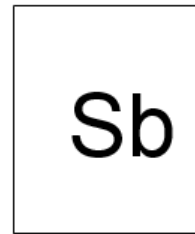
1.4 Sensor Symbols



Use mode Button to select setting



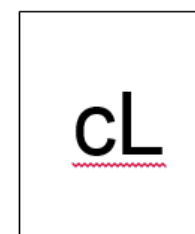
Schedule Heating



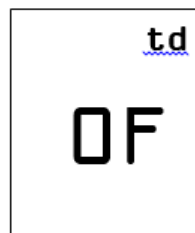
Stop Set Back Indefinitely



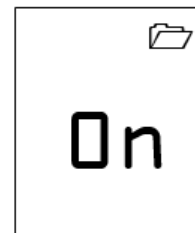
Disable Frost Protect Indefinitely



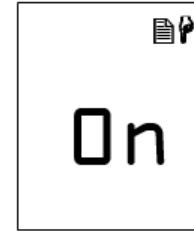
Cooling Scheduled Heating Cooling Enabled



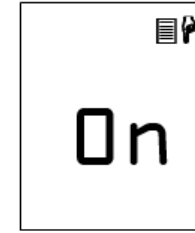
OFF for Today



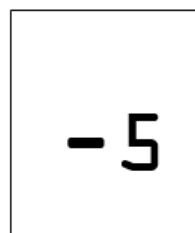
ON For 1 Hr



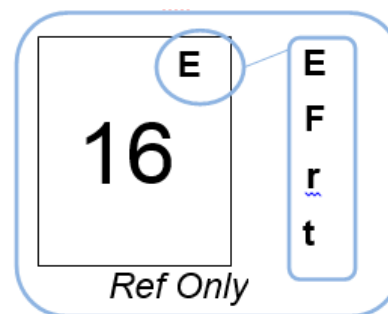
ON For 2 Hr



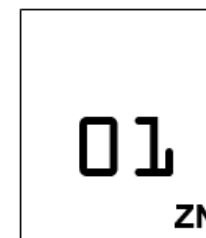
ON For 3 Hr



Cannot read Probe

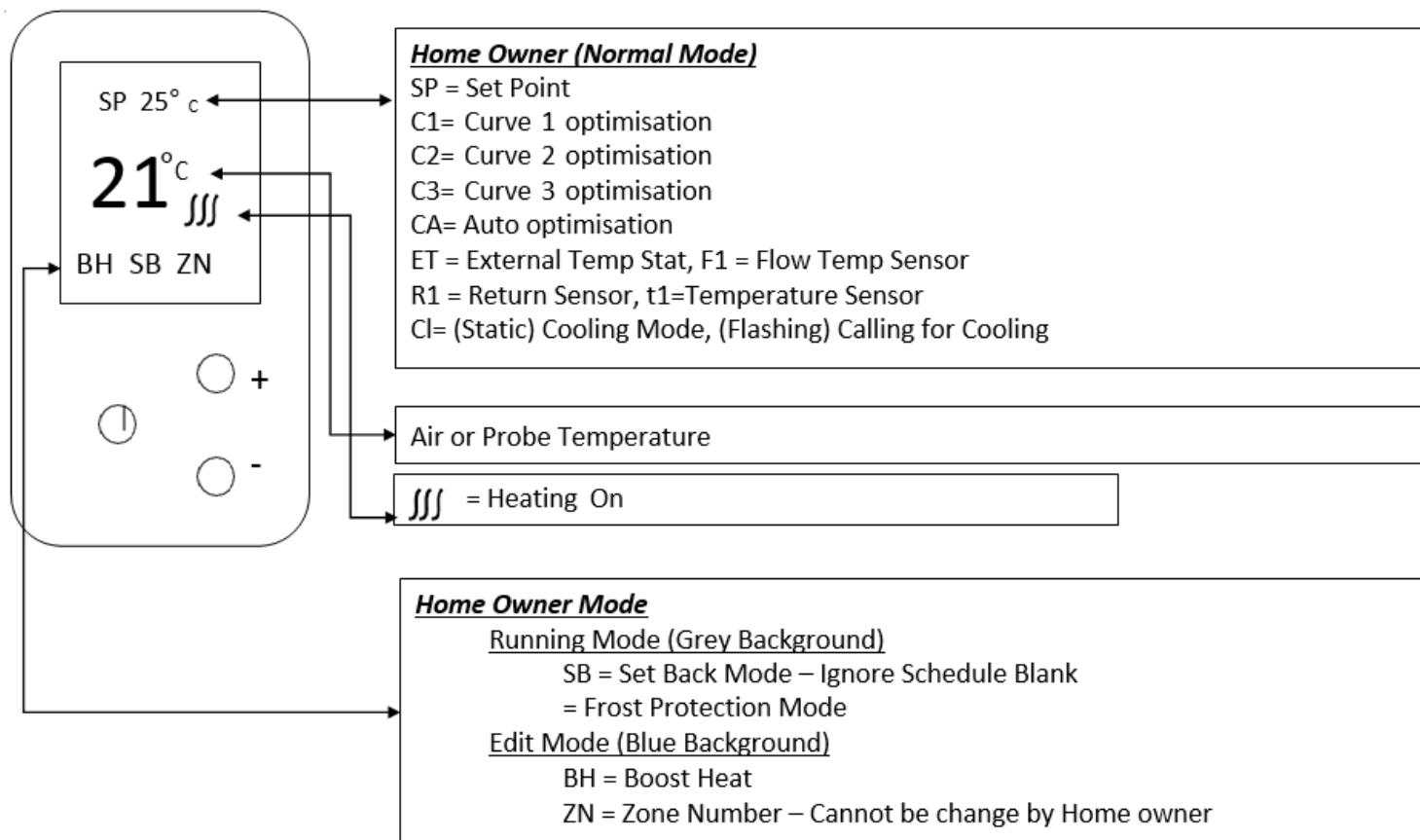


Ref Only



Lost Comms

1.4 Sensor Symbols Explained



Note:

Although cooling can be enabled, it will only operate where there is a cooling system/device installed



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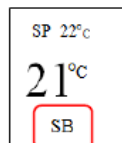
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1.5 What does set back temperature mean?

Set Back is the temperature the room will not fall below when room is OFF.

Comment:

Time OFF :



Room OFF

*SB (Set Back) Displayed at bottom on
Room Only heat if room temp fall below SB*

Time ON :



Room ON

*SB (Set Back) REMOVED
Room heats to the SP (Set Point) Temp*



1.6 Temporary & Scheduled Temperature Setting

Temporary - Temperature Setting



At Sensor



At Console
Set Point Screen

Scheduled - Temperature Setting



At Console
Schedule Screen

Comment:

Temporary Temperature Setting only remain until the next scheduled timed ON/OFF heating event. I.e. if you adjust the SP (Set-Point) up to 28°C, at the next scheduled ON / OFF, the system will automatically reverts back to the scheduled SP e.g. 21°C. This ensures the running cost are kept low.

When does the system switch to Schedule

- ❖ At the next Scheduled Change Over
- ❖ If the user adjust a setting in the ScheduledScreen
- ❖ If the master Time / Date setting for the console is adjusted

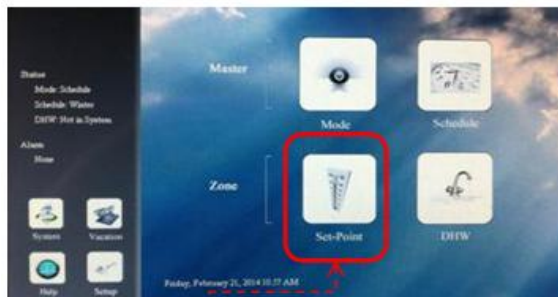
Note:

If the system is not adjusted, the system will always use the next schedule on time SP as its reference. This ensure the reheat time are kept constant.

2. Scheduling





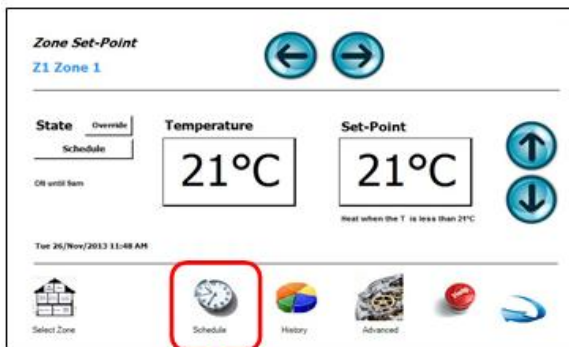
2.1 How do I schedule a room to heat?



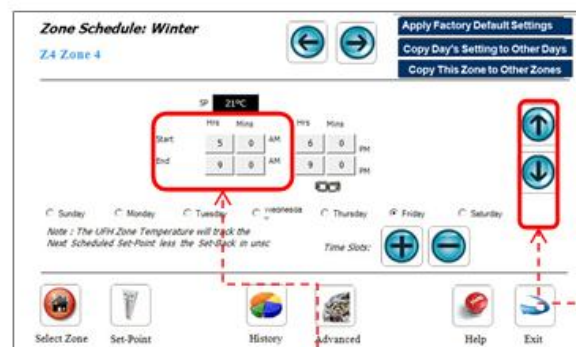
1. Press – Zone Settings



2. Use   arrows to find room
3. Press Zone Number



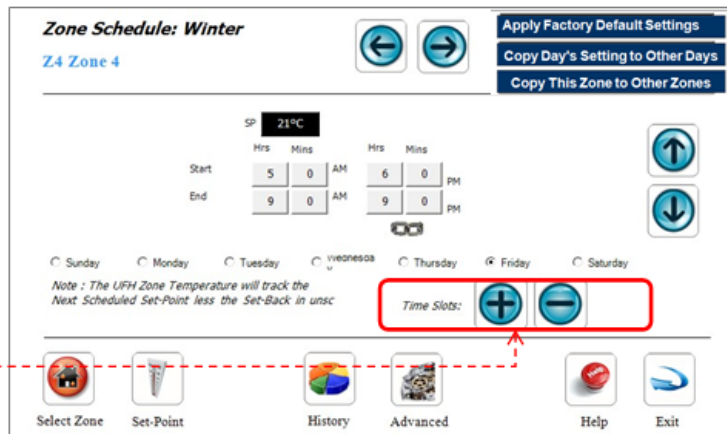
4. Use Schedule icon



5. Select Start & Stop Time and use the arrows to set  the time


2.2 How can I add different times to a room schedule?

Use the Button highlighted to Add or Remove Times



Comment: Link Symbol

The "Chain Symbol" (Link Symbol), when pressed, links this schedule time with the previous time. Pressing the Link Symbol underneath Time Slot 2, it changes Time Slot 2 to commence directly after Time Slot 1, with a duration of 1 hr.

Example

Scheduled Time Slot 1: 6am-8am

Scheduled Time Slot 2: 7pm-8pm

By pressing the Link Symbol underneath Time Slot 2, it changes Time Slot 2 to 8am-9am

2.3 Can I have different schedules for different days of the week?

1. Select the box beside the day required and enter the new schedule for this day

Zone Schedule: Winter

Z4 Zone 4

SP 21°C

Start Hrs Mins AM PM
5 0 AM 6 0 PM
End 9 0 AM 9 0 PM

Apply Factory Default Settings
Copy Day's Setting to Other Days
Copy This Zone to Other Zones

↑
↓

☐ Sunday ☐ Monday ☐ Tuesday ☒ Wednesday ☐ Thursday ☐ Friday ☐ Saturday

Note: The UPH zone temperature will track the Next Scheduled Set-Point less the Set-Back in use.

Time Slots: + -

Select Zone Set-Point History Advanced Help Exit

2.4 Is there a quick default schedule setting I can use?

1. By pressing these buttons, factory default Time & Temperature settings will be assigned to this room or all rooms

Zone Schedule: Winter

Z.4 Zone 4

SP 21°C

Start Hrs 5 Mins 0 AM
End Hrs 9 Mins 0 AM

Hrs 6 Mins 0 PM
Hrs 9 Mins 0 PM

☐ Sunday ☐ Monday ☐ Tuesday ☐ Wednesday ☐ Thursday ☒ Friday ☐ Saturday

Note: The UFH Zone Temperature will track the Next Scheduled Set-Point less the Set-Back in use

Time Slots:

Apply Factory Default Settings

Copy Day's Setting to Other Days

Copy This Zone to Other Zones

2.5 Can I copy a room schedule into another room?

1. By pressing these buttons, you can copy today's room schedule into other day of the week or all days of the week.

Zone Schedule: Winter

Z4 Zone 4

SP 21°C

Start Hrs Mins AM PM
5 0 AM 6 0 PM
End 9 0 AM 9 0 PM

☐ Sunday ☐ Monday ☐ Tuesday ☐ Wednesday ☐ Thursday ☒ Friday ☐ Saturday

Note: The UFH Zone Temperature will track the Next Scheduled Set-Point less the Set-Back in use

Time Slots:

Apply Factory Default Settings

Copy Day's Setting to Other Days

Copy This Zone to Other Zones

2.6 Can I copy a room schedule into another day of the week?

1. By pressing these buttons, you can copy a room schedule into another room

Zone Schedule: Winter

Z4 Zone 4

Apply Factory Default Settings
Copy Day's Setting to Other Days
Copy This Zone to Other Zones

SP 21°C

	Hrs	Mins		Hrs	Mins	
Start	5	0	AM	6	0	PM
End	9	0	AM	9	0	PM

☐ Sunday ☐ Monday ☐ Tuesday ☐ Wednesday ☐ Thursday ☒ Friday ☐ Saturday

Note: The UH Zone Temperature will track the Next Scheduled Set-Point less the Set-Back in unsc

Time Slots:

Select Zone Set-Point History Advanced Help Exit

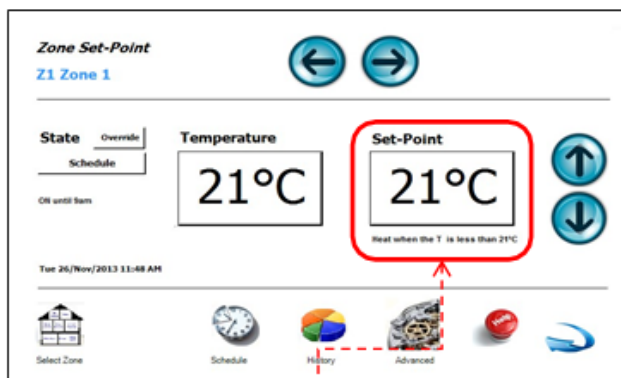
Apply Factory Default Settings

Copy Day's Setting to Other Days

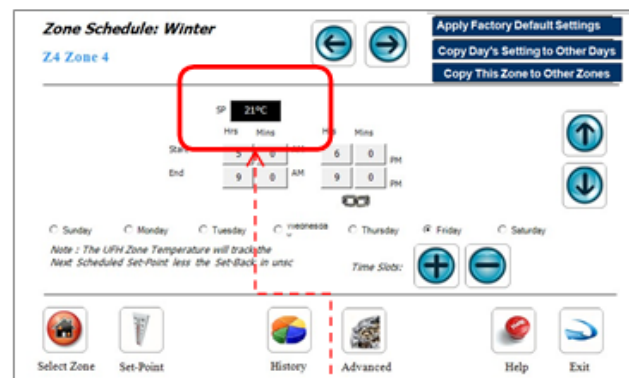
Copy This Zone to Other Zones



2.7 Temporary and scheduled set point



Temporary SP
(Zone Set Point Screen)
 Any adjustment to the SP on this screen will only remain until the next scheduled ON/OFF event



Scheduled SP
(Zone Schedule Screen)
 Default SP

Note:
 If you make any adjustment on this screen, the Temporary SP will atomically be updated, with the scheduled SP

3. Advanced Room Settings



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3.1 Can I switch a room to a different state without adjusting all my schedules?

1. Press – Zone Settings

Override

Override the current ON/OFF state to Off/ON until the next scheduled event

State Button

Underfloor Heating

Normal: Zone follows the programmed schedule

Stop: Zone Schedule is suspended
The desired temperature is SP-SB
The Sp for DHW zones is Off

Disable: Zone schedule is suspended
Zone is placed in frost protection mode

Radiators & Hot Water Heating & Sch

Off Today: Off For Today

On 1 Hr: On for 1 Hour

On 2 Hr: On for 2 Hour

On 3 Hr: On for 13Hour

Cool & Sch Heat

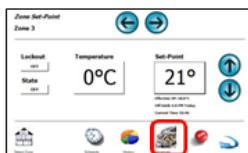
Enable Cooling & schedule Heating

Note: Only active if cooling installed.

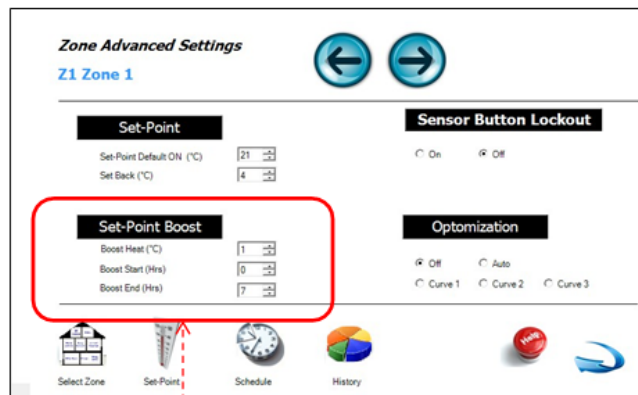
3.2 Can I schedule a room to a boost temperature to take advantage of low cost energy?



1. Press – Zone Settings



2. Press – Zone Settings



Boost

When a room is scheduled to Boost, the desired temperature = SP (Set Point) + BH (Boost Heat)

Note: Boost must be enable in Master Settings



3.3 Can I set the room to switch on early so it's at a desired temperature at a set time?

Optimisation

This is a mechanism of ensuring zone temperatures are achieved according to the programmed schedule.

Zone Advanced Settings

Z1 Zone 1

Set-Point

Set-Point Default ON (°C) 21

Set Back (°C) 4

Set-Point Boost

Boost Heat (°C) 1

Boost Start (Hrs) 0

Boost End (Hrs) 7

Sensor Button Lockout

☐ On ☒ Off

Optimization

☒ Off ☐ Auto

☐ Curve 1 ☐ Curve 2 ☐ Curve 3

Select Zone Set-Point Schedule History Help

Optimisation

Normal: No optimisation - Follows the timed schedule for the Zone

CRV 1: Preheats Zone **1 Hr** prior to the scheduled ON time
[c1 displayed on sensor when overriding ON time]

CRV 2 Preheats Zone **2 Hr** prior to the scheduled ON time
[c2 displayed on sensor when overriding ON time]

CRV 3 Preheats Zone **3 Hr** prior to the scheduled ON time
[c3 displayed on sensor when overriding ON time]

AUTO This setting will self-learn the thermal inertia of the room and adjust the start time from memory
[cA displayed on sensor when overriding ON time]

3.4 Can I set the room to switch on early so it's at a desired temperature at a set time?

Curve 1		Curve 2		Curve 3	
Time Offset (mins)	Temp Offset (Deg C)	Time Offset (mins)	Temp Offset (Deg C)	Time Offset (mins)	Temp Offset (Deg C)
30	1.0	30	1.0	30	1.0
60	2.0	60	2.0	60	2.0
		90	3.0	90	3.0
		120	4.0	120	4.0
				150	5.0
				180	6.0

Optimization is the control of zone temperature in order to pre-heat according to a selected optimization curve when the zone is in the Timer mode (not Setback or Disable).

An optimization curve controls temperature gradient prior to the scheduled ON time. Curves differ with respect to duration.



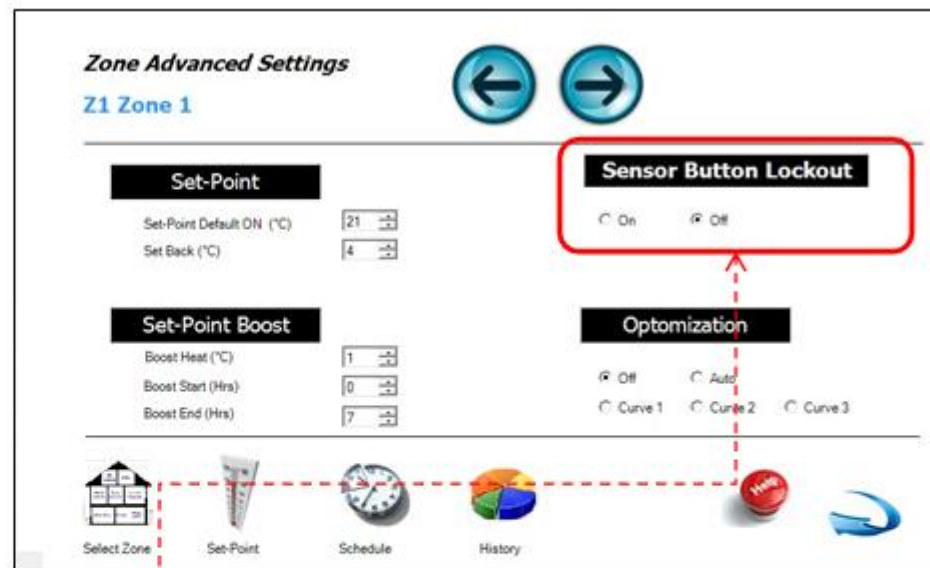
3.5 Can I 'Lock Out' the buttons on my sensors?



1. Press – Zone Settings



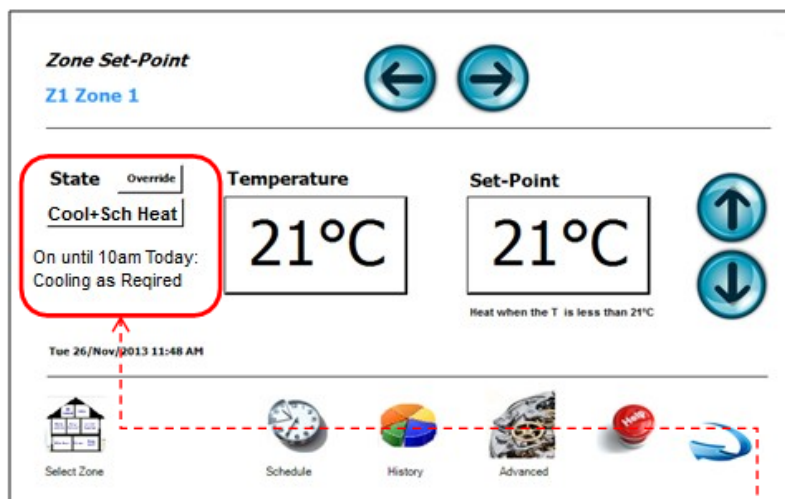
2. Press – Zone Settings



Room Sensor Button Lock Out:

Each individual room sensor buttons can be set to Lock Out, to ensure the occupant cannot change the settings

3.6 Cooling



Enabling Cooling:

Press the Stats Button until “Cool+Sch Heat” is displayed
(Cooling is now enabled.)

Comment:

Cooling will activate if the room temp is above the Set Point +Deadband
Example Set Point +Deadband ($21+3=24$) Cool when room temp (T) is greater than 24°C



4. Hot Water



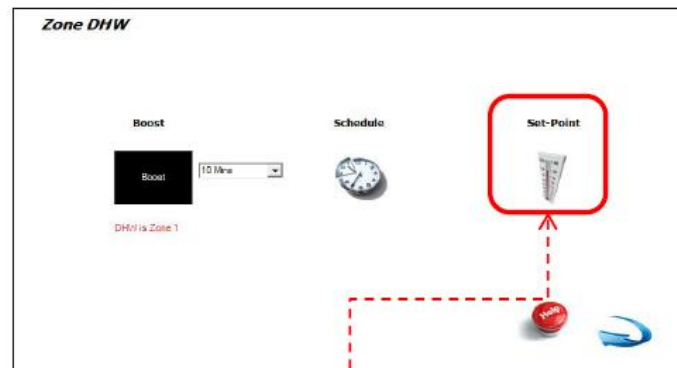
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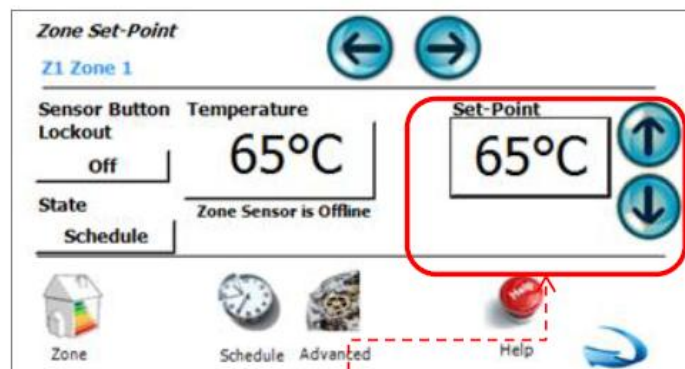
4.1 Can I adjust the temperature of my hot water?





Step 1. Press – Domestic Hot Water

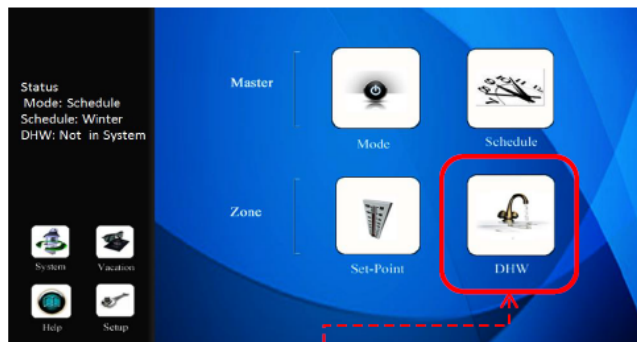


Step 2. Press – Domestic Hot Water

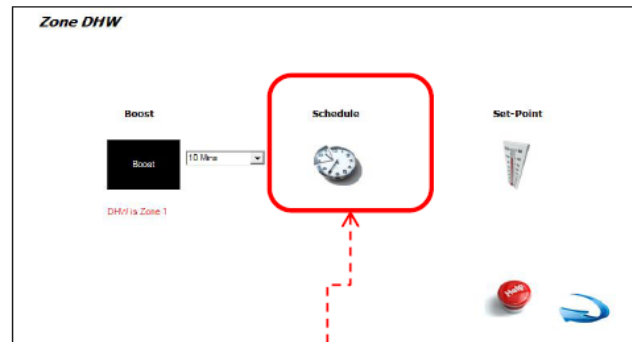


Step 3. Use   keys to adjust temp

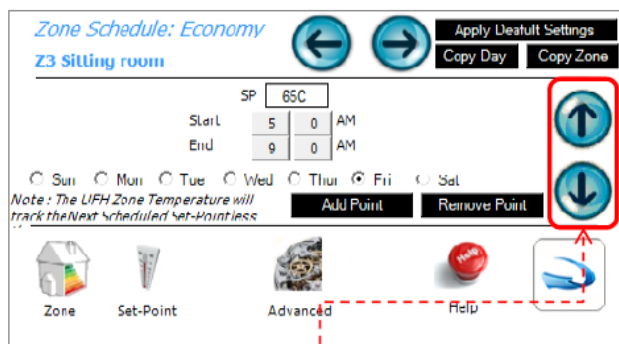
4.2 Can I adjust the schedule of my hot water?





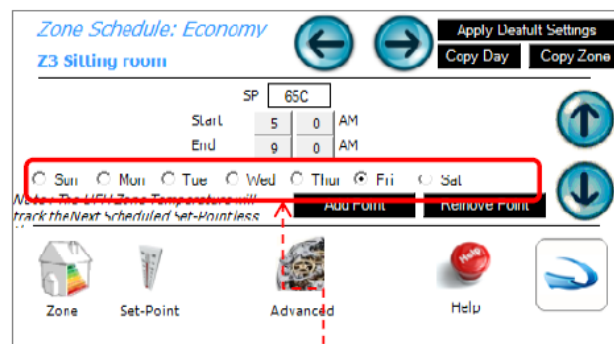
Step 1. Press – Domestic Hot Water



Step 2. Press – Domestic Hot Water

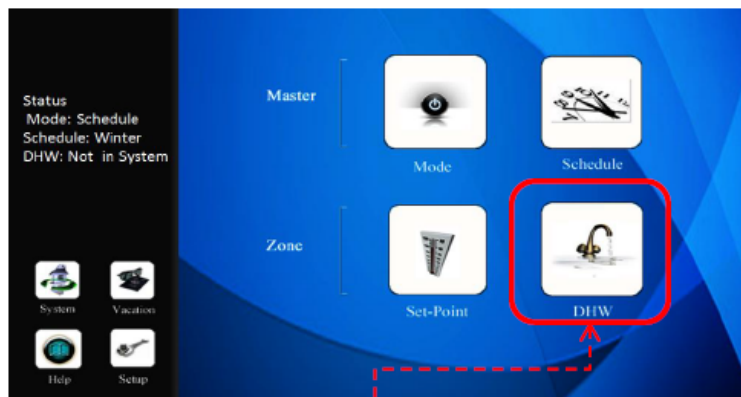


Step 3. Use   keys to schedule

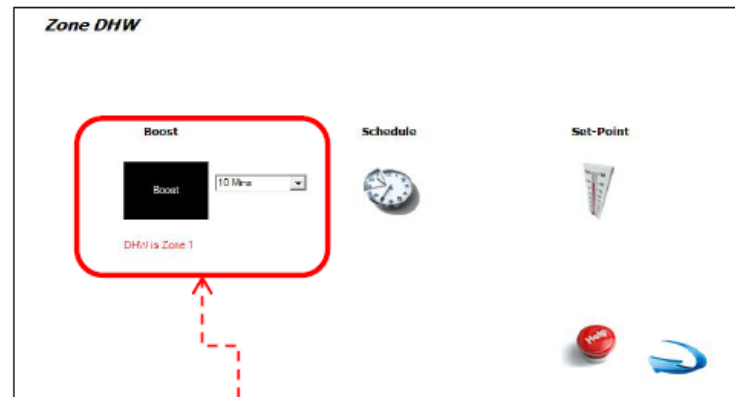


Step 4. Select days

4.3 Is there a handy 'boost' to switch on my hot water for a short period?



Step 1. Press – Domestic Hot Water



Step 2. Press – Boost

Boost Button will heat HW
With adjustable time from 10min – 2Hr
Mode.
Once the water has reached the desired SP
the demand will stop

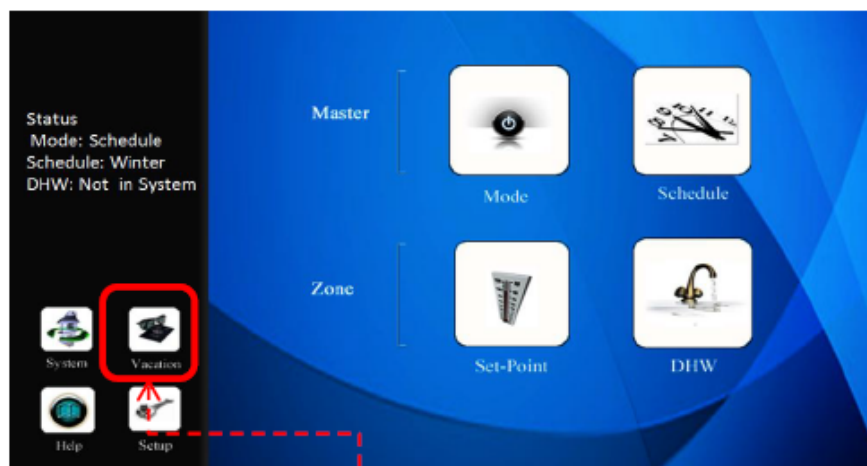
5. Holiday



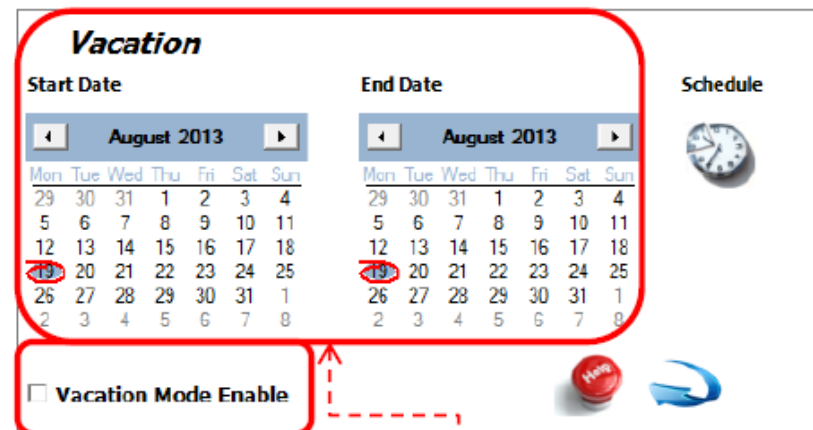
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5.1 How do I set the holiday setting?



Step 1. Press – Holiday Setup



Step 2. Select Dates Required
Step 3: Select Enable Vacation Mode

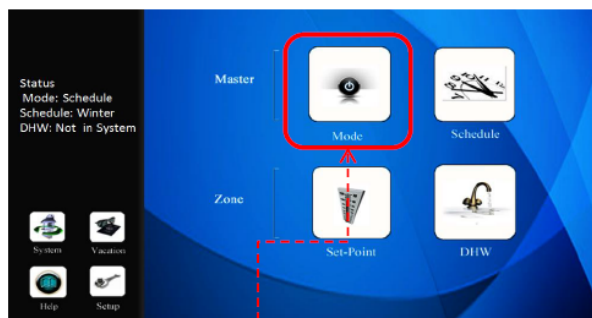
6. Whole House Master Setting



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6.1 Can I switch the whole house to a different setting?



Step 1. Press – Master Setting

Step 2. Select Schedule Heating /DHW Zone

OR

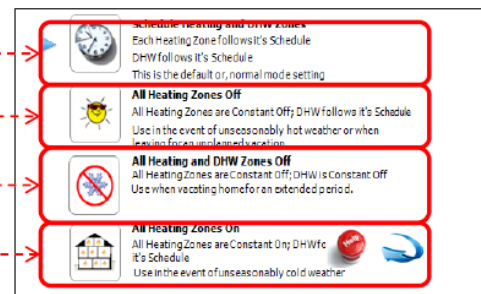
Step 2. Select All Heating Zones OFF

OR

Step 2. Select All Heating Zones ON

OR

Step 2. Select All Heating /DHW/Sch OFF



Note: Each zone will follow it's respective time & Temperature

Note: Summer Time Operation

Note: Zones use their *Default ON* Temp set in Advanced

Note: Frost protect while away
Ufh = Set Back
All other zone Rad/DHW/Sch = Off

7. Quick View



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7.1 Can I look at all the room temperatures together?



Step 1. Press – System Status

Zone Status									
Zn	Name	T	SP	Mode	Heating Schedule State	Heating Actual State	Cooling	Comm	State
1	Kitchen	21°C	21°C	Normal	OFF	OFF	OFF	✓	
2	Dining Room	21°C	21°C	Normal	OFF	OFF	OFF	✓	
3	Sitting Room	21°C	21°C	Normal	OFF	OFF	OFF	✓	
4	TV Room	21°C	21°C	Normal	OFF	OFF	OFF	✓	
5	John Bedroom	18°C	18°C	Normal	OFF	OFF	OFF	✓	
6	Jane Bdrm	18°C	18°C	Normal	OFF	OFF	OFF	✓	
7	Peter Bedroom	18°C	18°C	Normal	OFF	OFF	OFF	✓	
8	DHW	65°C	65°C	Normal	OFF	OFF	OFF	✓	

Next Zone Block

Overview:

This screen displays the statues of each zone

Zn: Zone Number
Name: Zone Name
T Actual zone temperature
SP Desire Set Point Temperature
Mode Normal: Follows Schedule
 Stop: Ignore schedule & stay at Set Back
 Disable: Ignore schedule & stay at Frost protect

Schedule Heating State

ON If scheduled ON & OFF if scheduled OFF

Actual Heating State

Display the actual stats of the zone

Example:

A zone may be schedule OFF, but if the below its SB (Set back) temp the zone will be calling for heat

Cooling

Display ON if a zone is calling for cooling
Comms Stats ✓ Good Communication with sensor
 x Lost Communication with sensor

The status of each zone is display.
 Use the ⬇ to see further zones

8. User Manuals



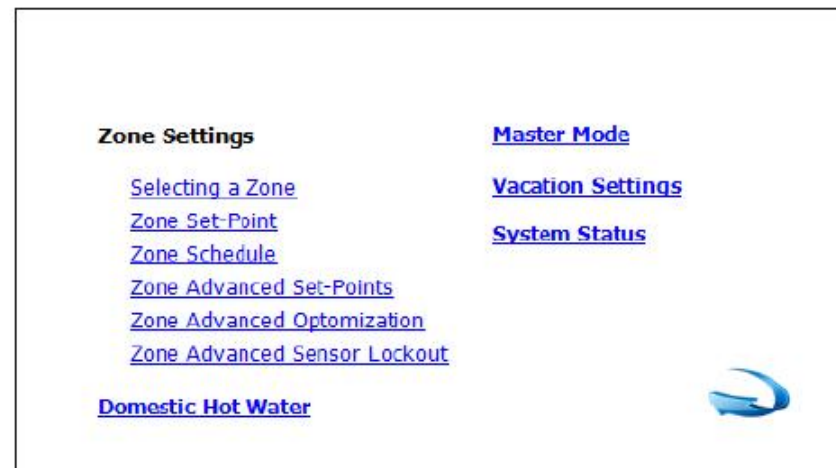
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8.1 Where can I find the user manuals?



Step 1. Press – Help



Step 2. Press - User Manuals

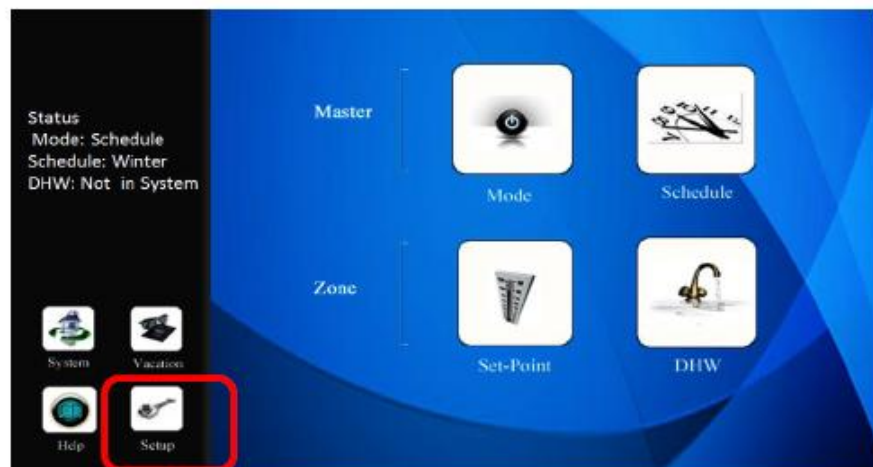
9. Master Clock



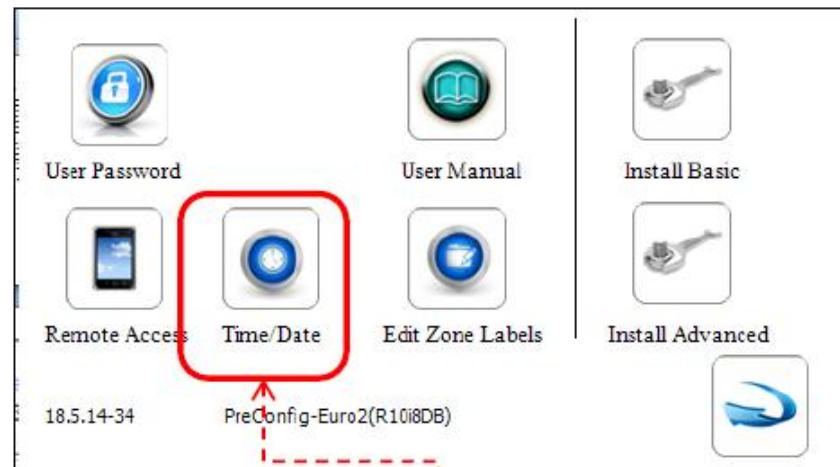
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9.1 How Can I adjust the Master Clock?



Step 1. Press – Set up



Step 2. Press - Time / Date

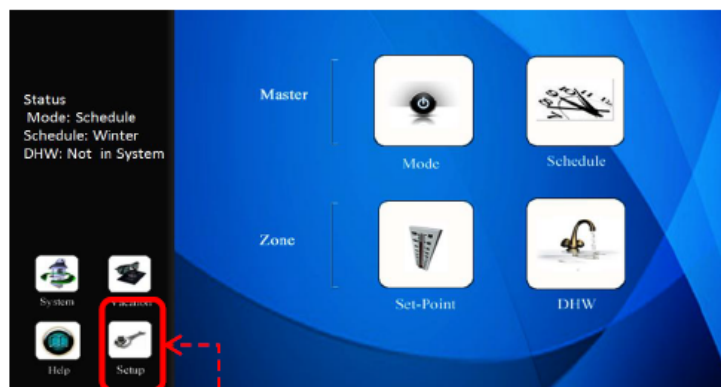
10. Room Names



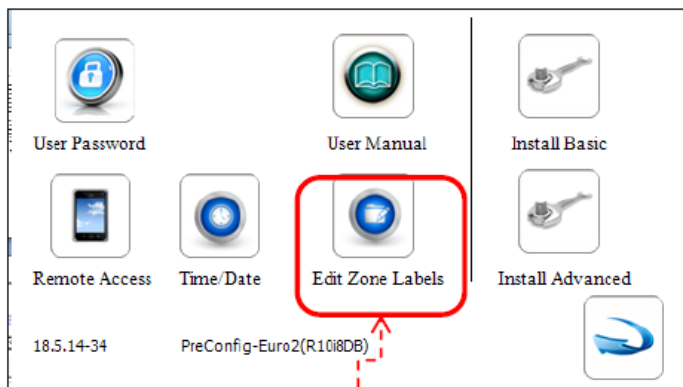
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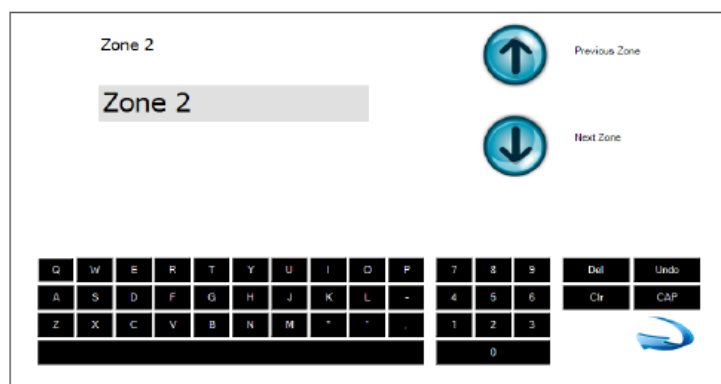
10.1 How can I edit room names?





Step 1. Press – Help



Step 2. Press - Edit Zone Names



Use the keypad to enter names

Use the   keys to move between zones

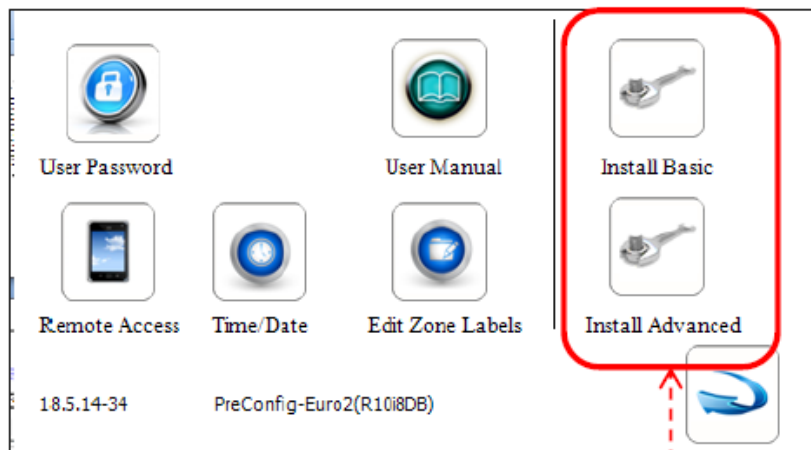
11. Engineering Assess



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11.1 Engineer Access



This area is used to configure the console to manage your dwelling.
This area is restricted to the installer.



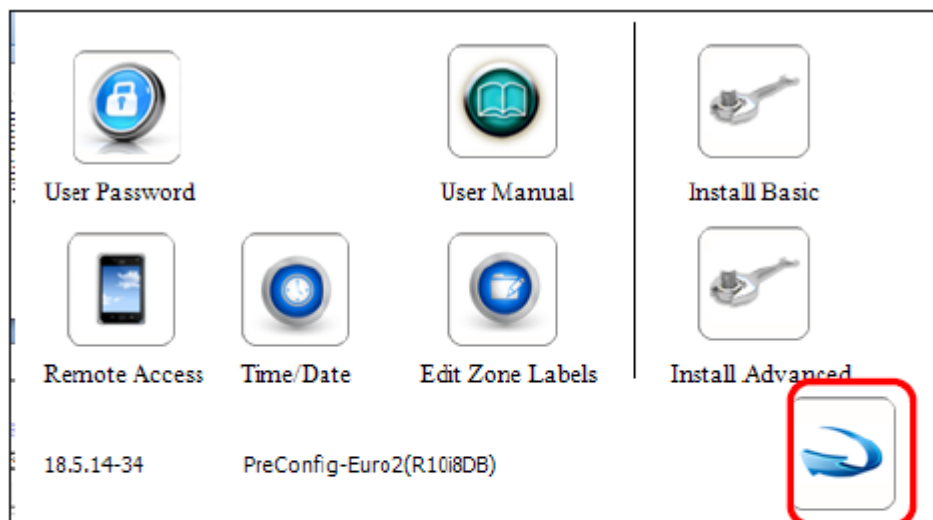
12. Exit



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12.1 How do I get back to the home screen?



Use this return key to step back to the main screen