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ZONE CONTROL ZONE SETPOINTS ZONE SCHEDULE DEFAULTS

(APP REV 20.1.19+)
(DOC REV 1)

CRIOSU CONTROLS

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Introduction

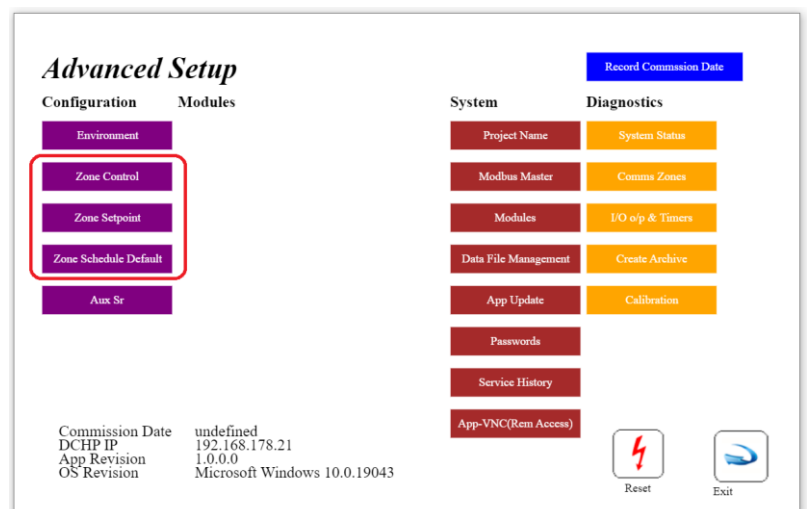
The Zone Control, Setpoint and Default schedule screens provide access to zone control functions relating to the heating and cooling operation of the zone.

Access Screens: Zone Control, Setpoint and Schedule Default

Step 1. Press “Setup” on the Home Screen



Step 2. Press “Adv Setup” on the Setup Screen



Zone Control Screen

The Zone Control Screen is used to override the defaults zone setting assignments in the “IO Setup” screen.

The screenshot shows the Zone Control screen with the following configuration:

Rly #	Zone	Ht	Zn #	Type	Source
Rly #1	Zone	Ht	Zn #1	UFH	Digital
Rly #2	Zone	Ht	Zn #2<<3	UFH	Digital
Rly #3	Zone	Ht	Zn #3	UFH	Probe
Rly #4	Zone	Ht	Zn #4	UFH	Probe
Rly #5	Undef				
Rly #6	Undef				
Rly #7	Undef				
Rly #8	Undef				
Rly #9	System	P_MF			
Rly #10	Undef				

Probe Inputs: CC773, #8 #7 #6 #5 #4 #3 #2 #1

Relay #1-10: CC773, CC773, CC773, CC773, CC773, CC773, CC773, CC773, CC773, CC773

220VAC Relay #10

Probe #1 - Unused
 Probe #2 - Unused
 Probe #1:3 [Zone # 3]
 Probe #1:5 [Zone # 4]
 Probe #5 - Unused
 Probe #6 - Unused
 Probe #7 - Unused
 Probe #8 - Unused

I/O #1: cc773_R10i8

Buttons: Update, Exit

Navy Indicates probe reference is set to default setting.
Orange Indicates probe reference has been changed from its default setting in the Zone Control Screen.

Orange text indicates that the that the default zone or Default Probe has been changed.

NOTE: Changes the IO Setup will return the reference settings to their default values.

Zone Control

Zn	Label	Deactivate	Type	Schedule	Source	Reference	IO	Port
1	Zone 1	<input type="checkbox"/>	UFH	Living	Digital	1		
2	Zone 2	<input type="checkbox"/>	UFH	Living	Digital	3		
3	Zone 3	<input type="checkbox"/>	UFH	Living	Probe	3	1 (R10i8)	3
4	Zone 4	<input type="checkbox"/>	UFH	Living	Probe	4	1 (R10i8)	5

Zone Type and Source are assigned in 'I/O Setup'.

Zones #1-4 (highlighted in orange), Zones #5-8, Zones #9-12, Zones #13-16, Zones #17-20, Zones #21-24, Zones #25-28, Zones #29-32

Exit button

Zone Type and Source can only be changed from the “IO Setup” screen. They cannot be overridden.

Zone Deactivation

“**Deactivate**” removes a zone from normal scheduling. The sensor will not receive any communication from the system.


“Living” or “Sleeping” Scheduling

The **Schedule** may be of type of type “Living” or “Sleeping.” The default Living/Sleeping schedule is copied to the zone when the Schedule changes from Living to Sleeping and visa versa.. The default schedule is set in the “Zone Schedule Defaults” screen.

Zone Schedule Defaults

Time Slot	SP	Start Time	End Time	Number Time Slots
1	21 ° ▾	7am ▾	10am ▾	#3 ▾
2	21 ° ▾	6pm ▾	9pm ▾	
3	21 ° ▾	12am ▾	12am ▾	
4	21 ° ▾	12am ▾	12am ▾	
5	21 ° ▾	12am ▾	12am ▾	

Winter Summer Economy Living Sleeping DHW
Party Vacation Custom

 Exit

Digital and Probe Zone Reference

The **Reference Zone** identifies the zone sensor from which zone temperature readings are taken. By default the zone reference follows the zone index (Zone 1 reference → Zone 1 sensor).

The **Reference IO/Port** identifies the probe sensor from which zone temperature readings are taken. By default the Zone reference for the probe is assigned at the I/O Setup Screen (e.g. Probe input for Zone #1 → I/O #1/ Port #1).

Zone Setpoint Screen

Zone Setpoint


Zn	Label	Cooling			Screed		
		DB	F1	F2	F3	Max	Min
1	Zone 1	4	1	2	3	0	0
2	Zone 2	4	1	2	3	0	0
3	Zone 3	4	1	2	3	0	0
4	Zone 4	4	1	2	3	0	0

Zones #1-4

Zones #5-8

Zones #9-12

Zones #13-16



Exit


Cooling Setpoints

DB (Deadband) F1,2,3 (Fan speed) are setpoints used primarily in connection with the PV (Proportional Valve) Controller used to set modulate the 0-10V input of an air conditioning unit.

PV Config

Status
Initial HeatUp

Output DAC: 0 V: 0



Max/Min

10

0

DAC Max/Min

0

0

Reference Zone #1/T 0°C/

Min	Max	Source
<div style="border: 1px solid #ccc; padding: 2px;">25</div>	<div style="border: 1px solid #ccc; padding: 2px;">28</div>	<div style="border: 1px solid #ccc; padding: 2px;">Zone</div>
<div style="border: 1px solid #ccc; padding: 2px;">SP+DB</div>	<div style="border: 1px solid #ccc; padding: 2px;">SP+DB+F3</div>	<div style="border: 1px solid #ccc; padding: 2px;">Zn #1</div>

PV Module Comms x
IO Module Comms x

PV

PV #1

Ch #1

 Enable


Switch

NoSwitch

Interval (sec)

40

<input type="checkbox"/> Enable Cutoff Hi	<input type="checkbox"/> Enable Dec Pt
<input type="checkbox"/> Enable Cutoff Lo	<input type="checkbox"/> Nt Low Limit
<input type="checkbox"/> Emulate	<input type="checkbox"/> Rev DAC (Cold Water)
<input type="checkbox"/> Calibrate	<input type="checkbox"/> Enable RH Override
<input type="checkbox"/> Enable Flow	<input type="checkbox"/> Enable DewPt Override



Exit

Screed Setpoints

The Screed Max and Min setpoints are used to override heating in and UFH heating zone. This function is used to protect wood flooring.

Screed Max is only used for zones using digital sensors of type: UFH, EUFH and RAD. Heating is turned OFF (set to NOT calling) if Screed Max is greater than Zero and, the probe input (channel 2) is less than Screed Max.


Screed Min is only used for zones using digital sensors of type: UFH, EUFH and RAD. Heating is turned ON (set to calling) if the Screed Min is greater than Zero and the probe input (channel 2) is less than Screed Min

Zone Schedule Defaults Screen

Zone Schedule Defaults

Time Slot	SP	Start Time	End Time	Number Time Slots
1	21 ° ▾	7am ▾	10am ▾	#3 ▾
2	21 ° ▾	6pm ▾	9pm ▾	
3	21 ° ▾	12am ▾	12am ▾	
4	21 ° ▾	12am ▾	12am ▾	
5	21 ° ▾	12am ▾	12am ▾	

Winter Summer Economy Living Sleeping DHW
Party Vacation Custom

 Exit

The Default Schedule setting is applied when a zone is created or, the zone types is changed (e.g. from UFH to RAD) or, the zone schedule type is changed (from Living to Sleeping).

All previously programmed schedule setting will be lost.