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CC200HV3-LX User Manual

Code Rev: 20.1.6+

Manual Rev: 1

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Home Screen

Tap Logo to change background

Master Settings

Status Messages

Zone Status

Setup

Vacation Start & End Dates

Zone Control

Double Tap to view System Health

The screenshot shows the CrisuControls Home Screen. On the left is a dark sidebar with the following sections: 'Master Status' (Mode: Schedule, Schedule: Winter, DHW: Boost:Active), 'Alarms' (None), 'System' and 'Vacation' status icons, and a 'Setup' button. The main area is blue and contains: 'Master' mode and 'Master Season' (thermometer icon), 'Zone' control and 'DHW Boost' (100kWh Remaining) buttons, the date and time 'Wednesday, 28 September 2021, 11:01:37 AM', and the CrisuControls logo. Callouts point to: 1) A stack of background images with the text 'Tap Logo to change background'. 2) The 'Master Status' section with the text 'Status Messages'. 3) The 'System' and 'Vacation' icons with the text 'Zone Status'. 4) The 'Setup' button with the text 'Setup'. 5) The 'Zone' and 'DHW Boost' buttons with the text 'Zone Control'. 6) The 'DHW Boost' button with the text 'DHW Boost' and 'Tap to Activate DHW Boost Duration of Boost can be changed in Zone Control Screen Button is only visible when a DHW zone is in the system'. 7) The bottom right corner with the text 'Double Tap to view System Health' and two icons: a healthy system (CrisuControls logo with a green heart) and an error in system (CrisuControls logo with a red exclamation mark).

Master Mode

Master Season

Zone

DHW Boost
100kWh Remaining

System

Vacation

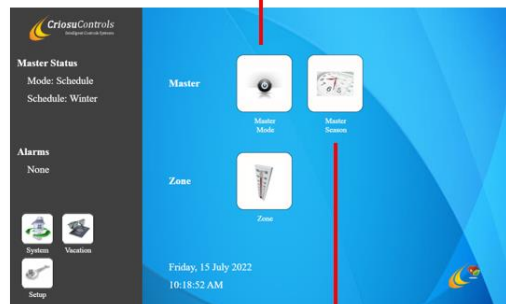
Setup

Wednesday, 28 September 2021
11:01:37 AM

Healthy

Error in System

Master Mode & Master Season



Master Mode

The master control for all zones in the system.

- Schedule Heating and DHW**
 Heating and DHW zones follow programmed schedules. This is the default mode of operation.
- All Heating Zones Off**
 Heating zones are constant off. DHW follows its programmed schedule. Use during Summer time to disable heating but continue normal DHW operation.
- All Heating, DHW and Schedule Zones Off**
 Heating and DHW zones are constant off. Use while on vacation.
- All Heating Zones On**
 All heating zones are constant on. DHW follows its own schedule. Use to bring on Heating on quickly.

Master Mode

Set the Master Control for all zones. "Schedule Heating and DHW" is the default setting.

Master Season

Master Season for all zones based on the season or event.

Summer <input type="checkbox"/> Boost Enable	Party <input type="checkbox"/> Boost Enable
Winter Comfort <input type="checkbox"/> Boost Enable	Winter Economy <input type="checkbox"/> Boost Enable
Vacation <input type="checkbox"/> Boost Enable	Custom <input type="checkbox"/> Boost Enable

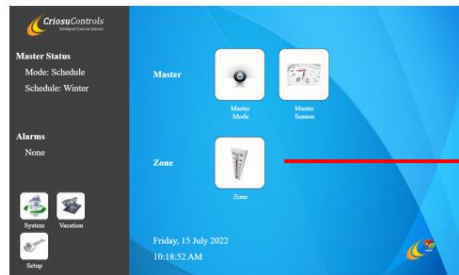
Master Season

Set the Master Season for all zones based on the season or event.

Tap to edit the zone schedule settings

Used in Underfloor Heating Systems to "boost" the setpoint during the "Night Time Saving" period. By default it is set to 12am-7am. This can be changed in the *Advance Zone Settings*.

Zone Control



Zone Setpoint Zn1 Living Room

Mode	Temperature	Setpoint
Schedule	24°C	25°C

Zone is scheduled On until 02:00 PM Today.
Heat when T is less than 25°C

Navigation: Znl - Living Room (UFH/Digt/Living) | Setpoint | Schedule | History | Adv | Help | Exit

Zone Selection

Setpoint: Defaults, Setback, Boost, Optimization
Sensor Lockout,
Cooling: Schedule, Fan Speed, Limiter

Pie Chart & Line Graph

5 Time Slot On Time Schedule

Setpoint & Mode

Zone Setpoint and Mode



Digital Sensor



Zone Mode of Operation

Override Schedule

Tap Override to change the current zone schedule state. Change from On to Off and Off to On.

The Override state is temporary. It is reset on the next schedule transition.

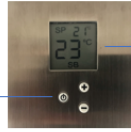


Zone Setpoint

Zone Mode of Operation

Zone Heating/Cooling State Symbol

Mode of Operation



Mode	Operation	Sensor Display	Zone Types						
			Ufh	Rad	E_Ufh	DHW	Uprobe	Probe	SCHED
Schedule	Zone follows programmed schedule.	SC	√	√	√	√	√	√	√
Schedule Ht+Cl	Zone follows programmed schedule with integrated cooling.	CL	√	√	√	√	√	√	√
Off For Today	Zone is Off for the day. It will return to the programmed schedule at midnight.	Td OF		√	√	√		√	√
On for 1/2/3 Hour	Zone is ON for 1,2,3 hours and will return to schedule operation when complete.	1Hr ON 2Hr ON 3Hr ON		√	√	√		√	√
Stop	Zone is Off Indefinitely. Setback Mode only applied to UFH types zones (UFH, Uprobe). The Off setpoint is the programmed setpoint less the setback.	SB	√		√	√	√		√
Disable	Zone is disabled indefinitely. The schedule is not followed. The setpoint is set to frost protect. For example, Changing the Master Mode is set to Heating All ON will not change a Disabled Zone's setpoint to ON.		√	√	√	√	√	√	√

Heating & Cooling Status Symbol



Digital Sensor



Symbol	Description
	Zone is calling for Heat
	Zone is calling for Cooling
	Zone is calling for Cooling & Fan speed is set to Fan speed 1
	Zone is calling for Cooling & Fan speed is set to Fan speed 2
	Zone is calling for Cooling & Fan speed is set to Fan speed 3
	Zone is calling for Cooling & Fan speed is set to Fan speed OFF
	Zone is calling for Cooling & Fan speed is set to Fan speed OFF at night.

Zone Scheduling



Scheduled ON at 21°C for Mondays from 7am to 10am and from 6pm to 9pm.

Up to 5 time slots.

Copy function.

Restore default schedule.

Time Slot	SP	Start Time	End Time
1	21°	7am 0 mins	10am 0 mins
2		6pm 0 mins	9pm 0 mins

Master Schedule: Winter

A programming error will be highlighted by a red box 9pm

Copy Function

Zone Schedule *Zn1 Living Room*

Time Slot	SP	Start Time	End Time
1	21°	7am 0 mins	10am 0 mins
2		6pm 0 mins	9pm 0 mins

Copy From
Zn1 Living Room, Day/s: Tue

*Copy zone schedule:
Set-point, Number of Time Slots, Start and End Times.*

Paste To Day/s:	Paste To Zone/s:
<input type="checkbox"/> Sun	<input checked="" type="checkbox"/> Z1 Living Room <input type="checkbox"/> Z9 Bathroom
<input type="checkbox"/> Mon	<input type="checkbox"/> Z2 Kitchen
<input checked="" type="checkbox"/> Tue	<input type="checkbox"/> Z3 Master Bedroom
<input type="checkbox"/> Wed	<input type="checkbox"/> Z4 Children's Bedroom
<input type="checkbox"/> Thur	<input type="checkbox"/> Z5 Office
<input type="checkbox"/> Fri	<input type="checkbox"/> Z6 Utility Room
<input type="checkbox"/> Sat	<input type="checkbox"/> Z7 TV Room
	<input type="checkbox"/> Z8 Pool

Select All Days Select All Zones Select All Living Zones

Deselect All Days Deselect All Zones Deselect All Sleeping Zones

Paste Exit

Tap "Paste" to apply.

Notes

The copy function copies the setpoint, number of time slots and the start and end time for each slot.

The copy function will not copy from a heating type zone (Ufh, Rad) to a Domestic Hot Water Zone (DHW) and visa versa.

Default Restore

Zone Schedule Zn1 Living Room

Time Slot	SP	Start Time	End Time
Sun	1	21°	7am 0 mins - 10am 0 mins
Mon	2	6pm 0 mins - 9pm 0 mins	
Tue			
Wed			
Thur			
Fri			
Sat			

Master Schedule: Winter

Restore Default Settings

Default Day/s:	Default Zone/s:
<input type="checkbox"/> Sun	<input type="checkbox"/> Z1 Living Room <input type="checkbox"/> Z9 Bathroom
<input type="checkbox"/> Mon	<input checked="" type="checkbox"/> Z2 Kitchen
<input checked="" type="checkbox"/> Tue	<input checked="" type="checkbox"/> Z3 Master Bedroom
<input type="checkbox"/> Wed	<input checked="" type="checkbox"/> Z4 Children's Bedroom
<input type="checkbox"/> Thur	<input checked="" type="checkbox"/> Z5 Office
<input type="checkbox"/> Fri	<input type="checkbox"/> Z6 Utility Room
<input type="checkbox"/> Sat	<input type="checkbox"/> Z7 TV Room
	<input type="checkbox"/> Z8 Pool

Select All Days Select All Zones Select All Living Zones

Deselect All Days Deselect All Zones Deselect All Sleeping Zones

Defaults Exit

Tap "Defaults" to apply.

Zone Advanced Settings



Zone Advanced Settings

Setpoint

Setpoint Default On (°C)

UFH Set-Back (°C)

UFH Boost (°C)

UFH Boost Start (hrs)

UFH Boost Stop (hrs)

Zn1 Master Bedroom

Sensor Lockout

OFF

ON

Optimization

OFF

CURVE1

CURVE2

CURVE3

AUTO

Cooling Fan Speed

Off

F1

F2

F3

Auto

Cooling Schedule

OFF

ON

Nt. Cooling Limiter

OFF

ON

Limit

Start Time

Duration

Sensor Lockout

Off: Digital Sensor buttons are enabled
 On: Digital Sensor buttons are disabled

Optimization

Ensure zone is up to temperature before the Scheduled ON time.

Off: Optimization is disabled
 Curve 1/2/3: Increase the temp gradually 1/2/3 hours before the Scheduled ON time
 Auto: Track the time required to ensure the zone is up to temp before the Scheduled ON time

Cooling Fan Speed

Fan Speed when cooling is active.

Off: Fan Off
 F1/2/3: Fan Speed 1 (Low) / 2 (Mid) / (High)
 Auto: Fan Speed automatically adjusted based on room temperature

Cooling Schedule

Off: Cooling is called whenever the temperature exceeds the cooling setpoint (Setpoint + deadband)
 On: Cooling is called whenever the zone is Scheduled ON and the temperature exceeds the cooling setpoint (Setpoint + deadband)

Nt. Cooling Limiter

Limit Cooling to a percentage of the maximum during the cooling limiting period.

Off: Night time Cooling is Off
 On: Night time Cooling is On



Zone Advanced Settings

Setpoint

Setpoint Default On (°C)

UFH Set-Back (°C)

UFH Boost (°C)

UFH Boost Start (hrs)

UFH Boost Stop (hrs)

Zn1 Master Bedroom

Sensor Lockout

OFF

ON

Cooling Fan Speed

Off

F1

F2

F3

Auto

Nt. Cooling Limiter

OFF

ON

Limit

Start Time

Duration

Optimization

OFF

CURVE1

CURVE2

CURVE3

AUTO

Cooling Schedule

OFF

ON

Zn1 - Master Bedroom

UFH/Digt/Living

Setpoint Schedule History Adv Help Exit

Setpoint Default

The schedule default setpoint

UFH Set-Back

The UFH setpoint when a zone is OFF if the scheduled setpoint less the set-back value.

UFH Boost

Boost is used to increase the UFH Setpoint during cost effective Low tariff periods. The Period is begins are Start Hour and completes at the End Hour.

Setpoint Off

The Rad or DHR Setpoint when a zone is OFF.

DHW Boost Duration

The Domestic Hot Water (DHW) zone programmable duration during "boost".

Zone History



Chart Type

Pie chart of Line Graph

Period

The Period is set by selecting the Start Date and Duration (number from the Start Date).

Press  to generate the plot

Pie Chart for Single Zone

Zone History Zn1 Living Room

Period
Start Day: Today - 0 : Friday 22 July 2022
Duration: Duration : 1 days

Chart Type
 Pie Chart
 Line Graph

Zone
 Single Zone
 All Zones

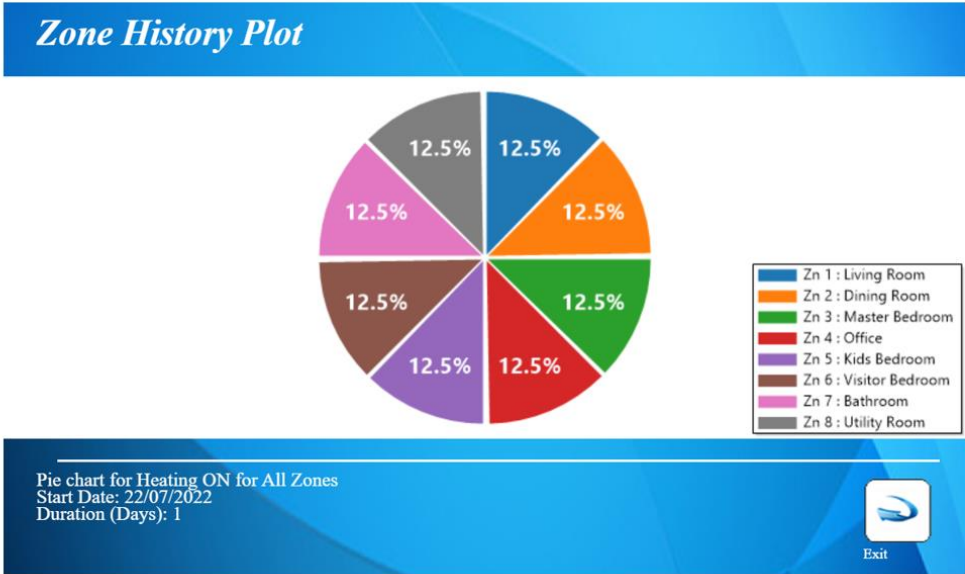
Format
 Percentage
 Time (Hrs)

Chart Type
 Heating On
 Heating Off
 Cooling On

Generate

Zn1 - Living Room
UFH/Digt/Living

Setpoint Schedule History Adv Help Exit



Pie Chart for All Zones

Zone History Zn1 Living Room

Period
Start Day: Today - 0 : Friday 22 July 2022
Duration: Duration : 1 days

Chart Type
 Pie Chart
 Line Graph

Zone
 Single Zone
 All Zones

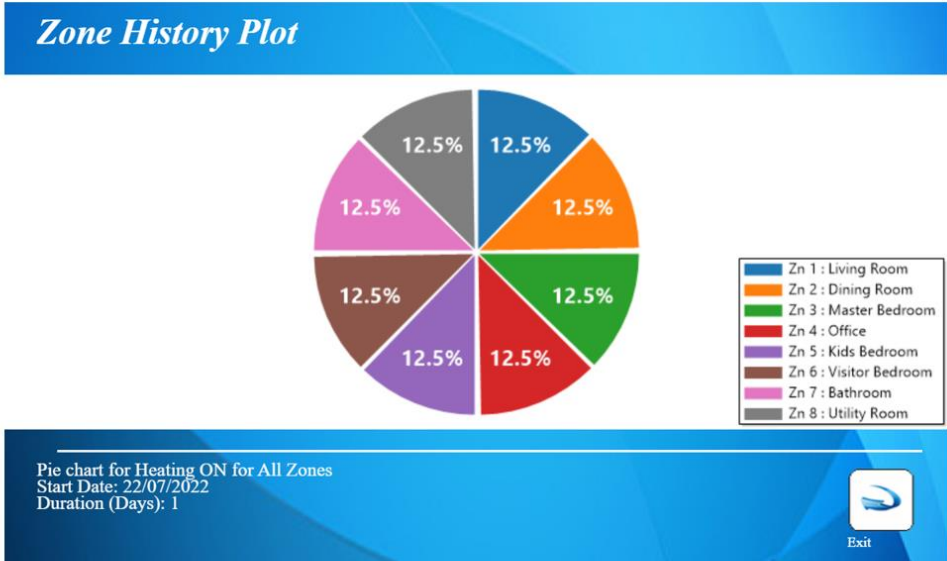
Format
 Percentage
 Time (Hrs)

Chart Type
 Heating On
 Heating Off
 Cooling On

Generate

Zn1 - Living Room
UFH/Digit/Living

Setpoint Schedule History Adv Help Exit



Line Graph for Single Zone

Zone History

Zn1 Living Room

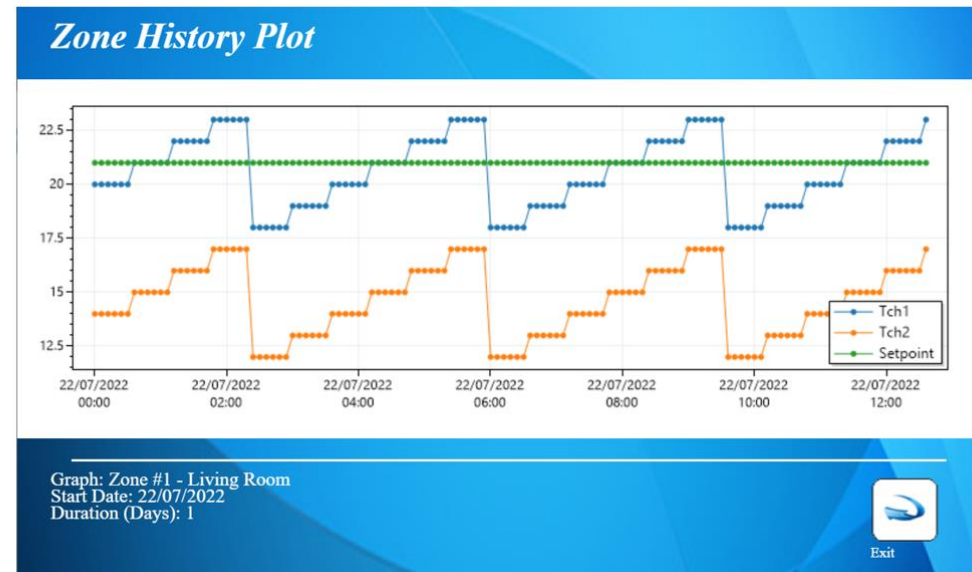
Period
Start Day: Today - 0 : Friday 22 July 2022
Duration: Duration : 1 days

Chart Type
 Pie Chart
 Line Graph

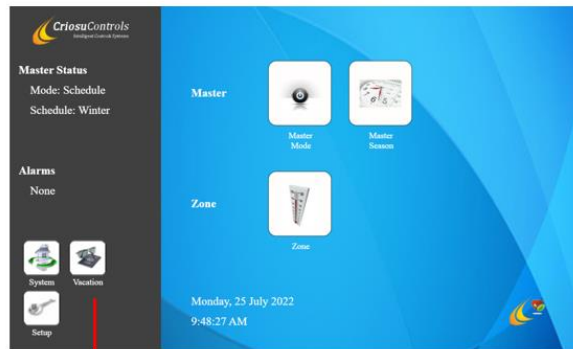
Generate

Zn1 - Living Room
UFH/Digit/Living

Setpoint Schedule History Adv Help Exit



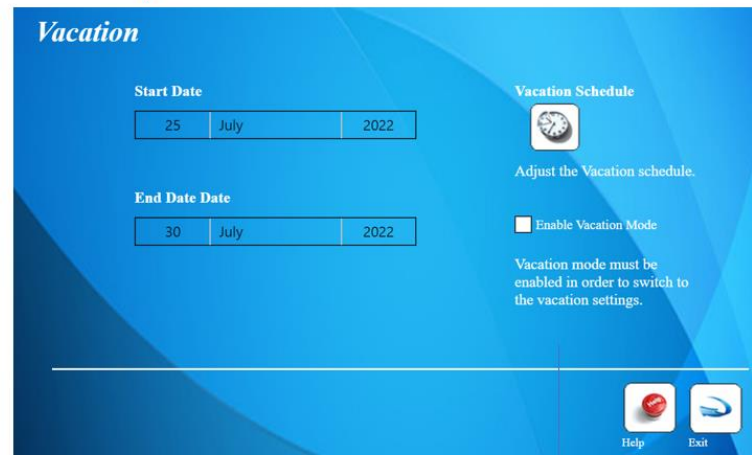
Vacation



Start & End Date

26	March	2018
27	April	2019
28	May	2020
29	June	2021
30	July	2022
31	August	2023
1	September	2024
2	October	2025
3	November	2026
✓		✗

Press ✓ to apply Date

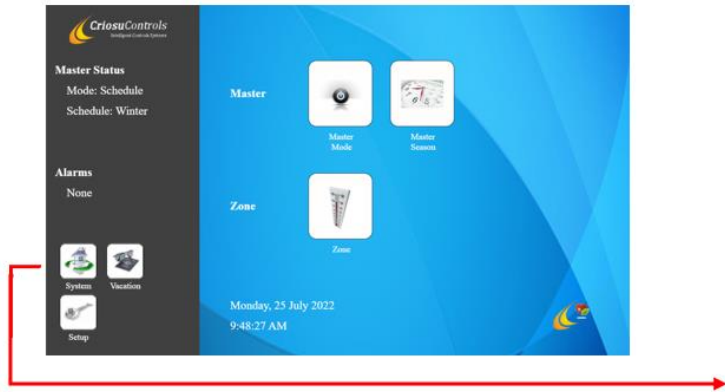


Enable Vacation Mode must be checked to switch to the Master Vacation schedule during the vacation period.

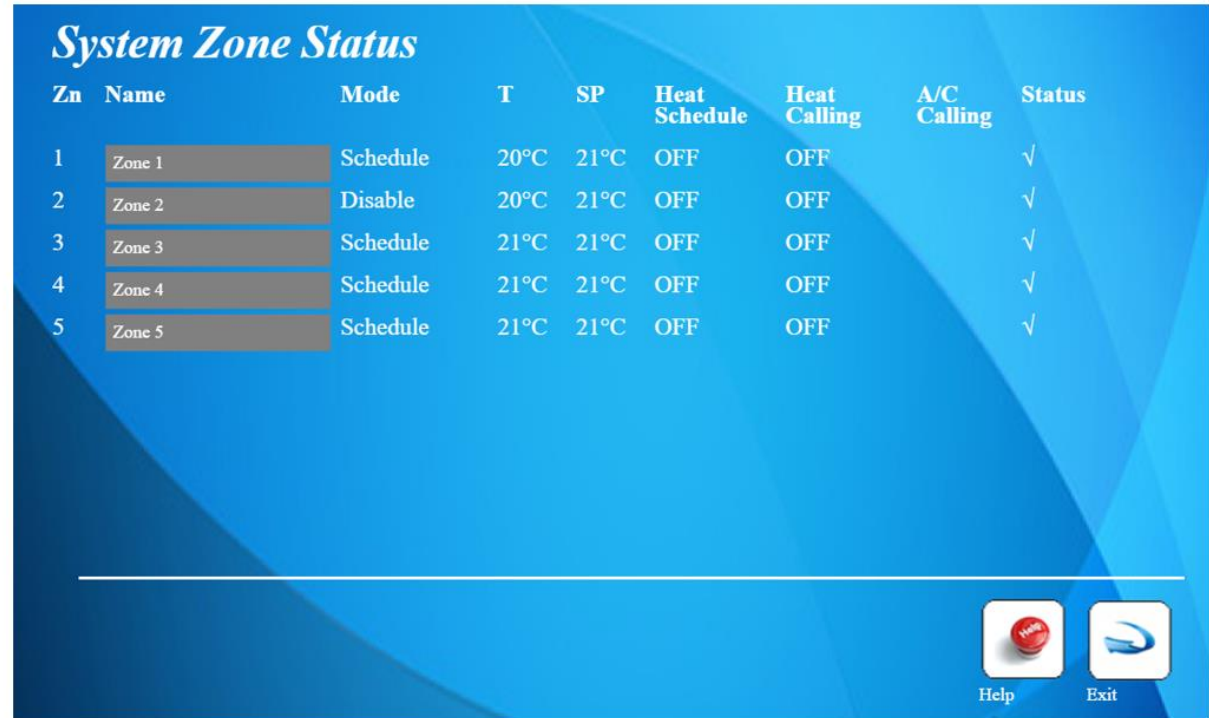
Vacation Zone Scheduling



System Status

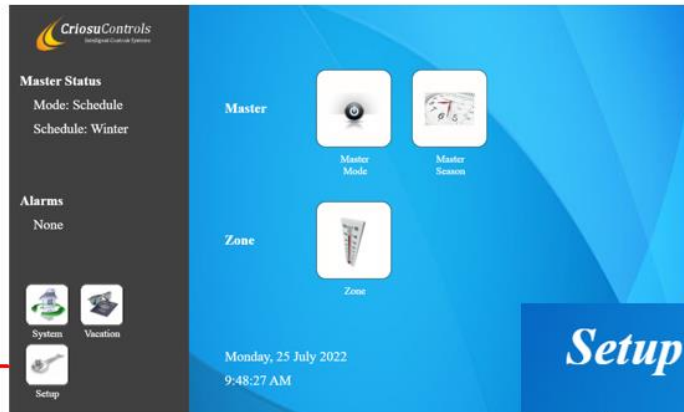


Tap Zone Name to access Zone



Status	Description
✓	The zone working correctly.
Comms Error	There is a communication error with the device.
Uninitialized	Communication yet to be established with device
Deactivated	Device has be programmatically removed from the system
Undefined	The zone type (UFH, Rad etc.) has not be defined
Dial Stat	The temperature of the zone is controlled only at the dial stat
SCHED Zone	There is no temperature measurement in the zone.

Setup



Note

The Installer Settings should only be adjusted by a qualified installer.

Date & Time

Setup

User

Data Time Edit Zone Labels

Installer

Quick Setup I/O Setup Adv. Setup System Devices Pass Code

Project Name: Sean Ryan Residence
Serial Number: 9992101
Rev: 20.0.41

Date and Time

Date

25 July 2022

Time

11am 25Min

26	March	2018
27	April	2019
28	May	2020
29	June	2021
30	July	2022
31	August	2023
1	September	2024
2	October	2025
3	November	2026

Exit

Note

Date and Time are maintained through a power cycle

Edit Zone Labels

Setup

User

Date Time Edit Zone Labels

Installer

Quick Setup Basic Setup Adv Setup System Devices

Pass Code 0

Project Name: Sean Ryan Residence
Serial Number: 9999101
Rev: 20.0.41

Edit Zone Name

Name

q	w	e	r	t	y	u	i	o	p	7	8	9	<===
a	s	d	f	g	h	j	k	l	@	4	5	6	Clear
z	x	c	v	b	n	m	-		.	1	2	3	Caps
											0		

Zn6 - Sitting Room

RAD/Digt/Living

Exit