

REV 1

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CC300 - CENTRAL MANAGER (CC300-APP-CM)

CC300 REV 20.1.48
CC200 REV 20.1.48+

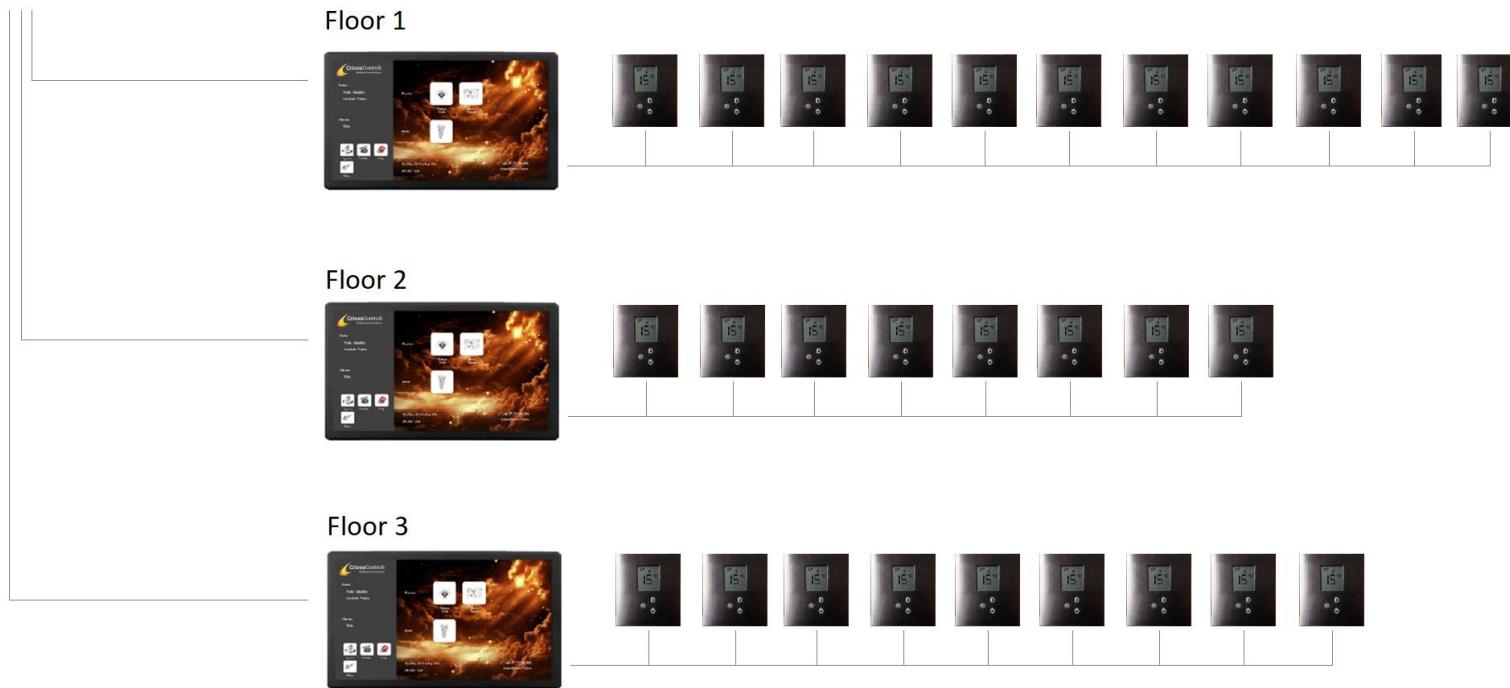
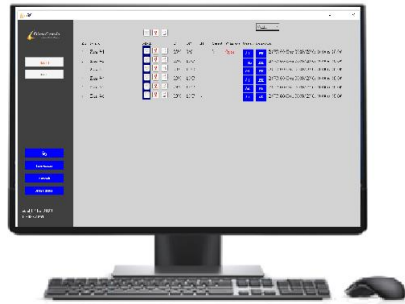
CRIOSU CONTROLS

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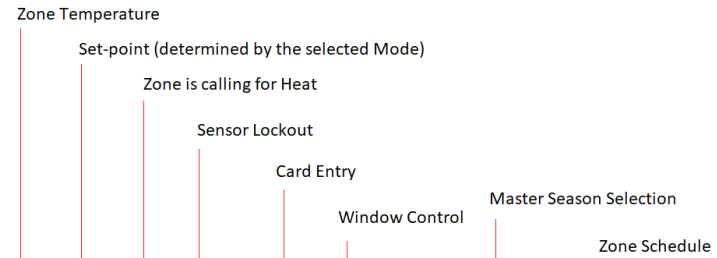
Introduction

The CC300 is a central management application that controls multiple CC200 systems. The network connection between the cc300 central management app and the CC200 hv5 systems is over RS485.



Home Screen

Zone Mode Button Selections (Set in the Environment Screen **Environment**)



Select "Floor" (cc200hv5)

cc300 - Rev 20.1.48.0
Winter
Zone Control

Zn	Name	Mode	T	SP	Ht	SrLk	Card	Window	Status	Schedule
1	Zone #1		24°C	15°C	--	<input checked="" type="checkbox"/>			✓	Edit 19°C: 08:03 to 10:00/ 20°C: 17:00 to 22:00/
2	Zone #2		23°C	0°C	--		Out	Open	✓	Edit 19°C: 08:03 to 10:00/ 20°C: 17:00 to 22:00/
3	Zone #3		23°C	16°C	--				✓	Edit 19°C: 08:03 to 10:00/ 20°C: 17:00 to 22:00/
4	Zone #4		23°C	16°C	--				✓	Edit 19°C: 08:03 to 10:00/ 20°C: 17:00 to 22:00/
5	Zone #5		23°C	16°C	--				✓	Edit 19°C: 08:03 to 10:00/ 20°C: 17:00 to 22:00/
6	Zone #6		23°C	16°C	--				✓	Edit 19°C: 08:03 to 10:00/ 20°C: 17:00 to 22:00/

Security **Key**

Mode Buttons and Default Set-Points **Environment**

Com Port Assignments **Network**

Fri, 16 Jun 2023
10:31:21 AM

Zone Mode Button Selections

Environment

Press **Environment** in the Home Screen. Select the Modes of Operation required by the Home Screen by checking the Mode checkbox. The Schedule Mode is always included. Each Mode is assigned a programmable Set-Point which is applied when the mode is selected. The Zone Mode of operation is selected in the Home screen by pressing the associated Mode Icon button (Schedule, Disable ...). Window Open/Close and Card In/Out Modes are determined by the Window Open/Close and Card In/Out states in the zones.

Mode	Icon	Mode Properties	Comments
<input checked="" type="checkbox"/> Schedule Ht		SP(Def) 21°C	<p>Sp(Def) is the SP when the schedule is empty. SP_Off is the SP for Rad type zones and, SB is the SP offset for UFH type zones when not calling for heat.</p> <p>Set-point offset when calling for cooling. The zone will call for cooling when the Temperature in the room is greater than the Schedule Setpoint plus the Setpoint Offset.</p> <p>Set-point when in Disable mode.</p> <p>Set-point when Off for Today.</p> <p>Set-point when Disabled.</p> <p>Set-point when in Constant ON mode.</p> <p>Set-point when calling for heat for 1 hour.</p> <p>Set-point when calling for heat for 2 hours</p> <p>Set-point when calling for heat for 3 hours.</p> <p>Set-point when calling for heat a programmable number of minutes (T Mins)</p> <p>Set-point when pre-heating a room for a programmable number of minutes (T Mins).</p> <p>Set-point when zone is unoccupied</p> <p>Set-point when the Card is OUT (the room occupied but not in use).</p> <p>Set-point when the Window is OPEN.</p>
<input type="checkbox"/> Schedule Ht/Cl		SP Offset 0°C	
<input type="checkbox"/> Disable		SP 0°C	
<input type="checkbox"/> OFF for Today		SP 16°C	
<input type="checkbox"/> Constant OFF		SP 16°C	
<input type="checkbox"/> Constant ON		SP 20°C	
<input type="checkbox"/> On 1 Hour		SP 20°C	
<input type="checkbox"/> On 2 Hour		SP 20°C	
<input type="checkbox"/> On 3 Hour		SP 20°C	
<input type="checkbox"/> On T Heat		SP 20°C	
<input checked="" type="checkbox"/> Pre-Heat		SP 20°C	
<input checked="" type="checkbox"/> Unoccupied		SP 15°C	
<input checked="" type="checkbox"/> Card Out		SP 15°C	
<input checked="" type="checkbox"/> Window Open		SP 0°C	

SP OFF 0°C Setback 4°C

On T(Min) 21

Pre-Heat(Min) 21

Zone Control

Press **Zone Control** in the Home Screen.

Window Open/Close & Card In/Out is controlled by digital inputs on I/O modules. Window Open/Close & Card In/Out must first be enabled in the **Environment** window.

Zone Control - Floor 1
— □ ×

Zn	Name	Type	Card Out IO	Port	En	Window Open IO	Port	En
1	Room 1	RAD	I/O #1	P #1	<input type="checkbox"/>	I/O #1	P #1	<input type="checkbox"/>
2	Zone #2	RAD	I/O #1	P #1	<input checked="" type="checkbox"/>	I/O #1	P #2	<input checked="" type="checkbox"/>
3	Zone #3	UFH	I/O #1	P #1	<input type="checkbox"/>	I/O #1	P #1	<input type="checkbox"/>
4	Zone #4	UFH	I/O #1	P #1	<input type="checkbox"/>	I/O #1	P #1	<input type="checkbox"/>
5	Zone #5	UFH	I/O #1	P #1	<input type="checkbox"/>	I/O #1	P #1	<input type="checkbox"/>
6	Zone #6	UFH	I/O #1	P #1	<input type="checkbox"/>	I/O #1	P #1	<input type="checkbox"/>

Get Zone Types

Card In/Out

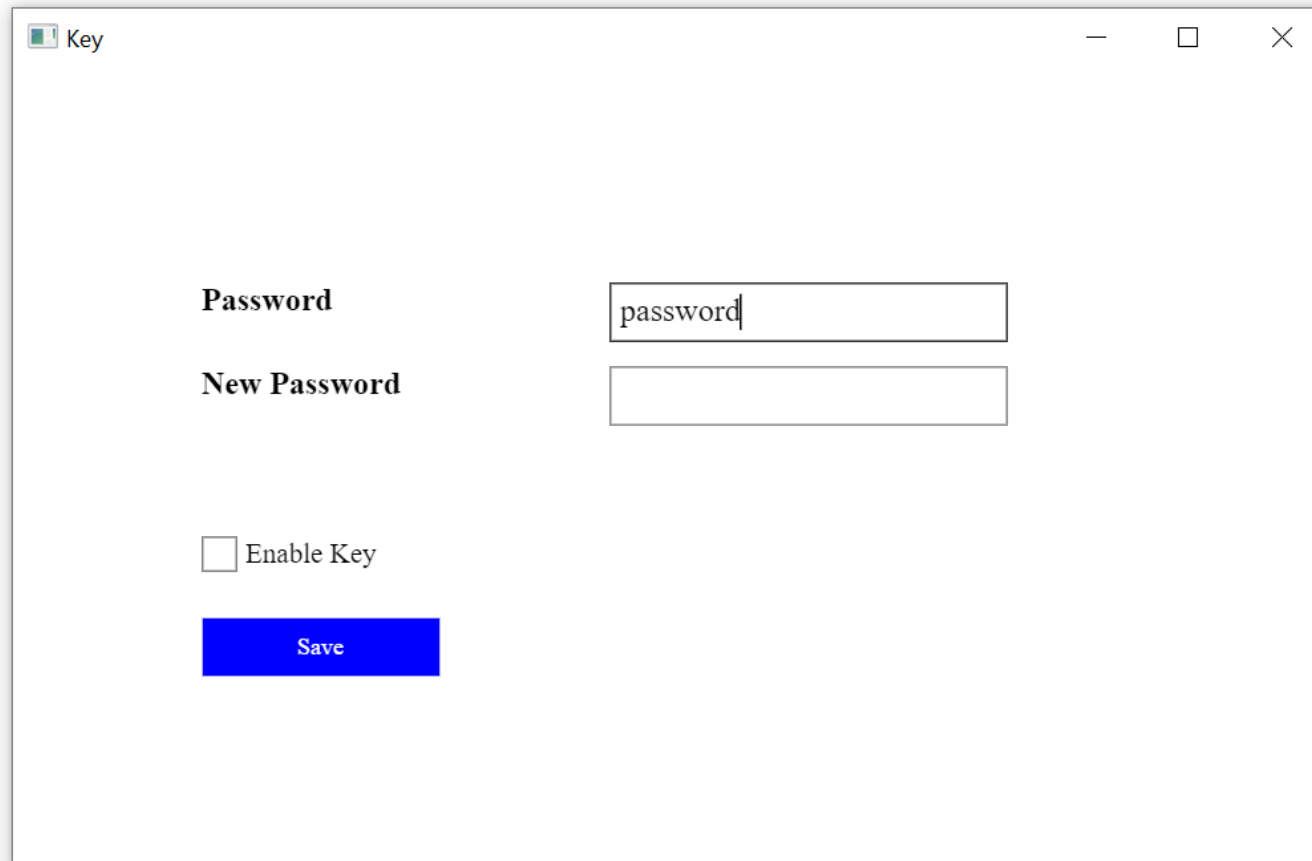
When the Digital Input is OPEN the Card is OUT. The set-point follow the programmed Card out set-point set in the environment. When the Digital Input is CLOSED the Card is IN. The Set-point follows the schedule.

Window Open/Closed

When the Digital Input is OPEN the Window is Open. The set-point follow the programmed Window Open set-point set in the environment. When the Digital Input is CLOSED the Window is Closed. The set-point follows the schedule set-point. Window Open taked precedence over all other states. The set-point follows the programmed Window Open Set-point set in the environment.

Security

Press **Key** in the Home Screen.



The screenshot shows a window titled "Key" with standard window controls (minimize, maximize, close) in the top right corner. The window contains the following elements:

- A label "Password" followed by a text input field containing the text "password".
- A label "New Password" followed by an empty text input field.
- A checkbox labeled "Enable Key", which is currently unchecked.
- A blue button labeled "Save" positioned below the checkbox.

The default password is "Password". The correct password must be entered to change the password of set "Enable Key".

The **Environment** **Network** buttons are hidden the "Enable Key is Checked"

Adding a CC200HV5 to the CC300 Network

CC300 Setup

Press **Network** in the Home Screen.

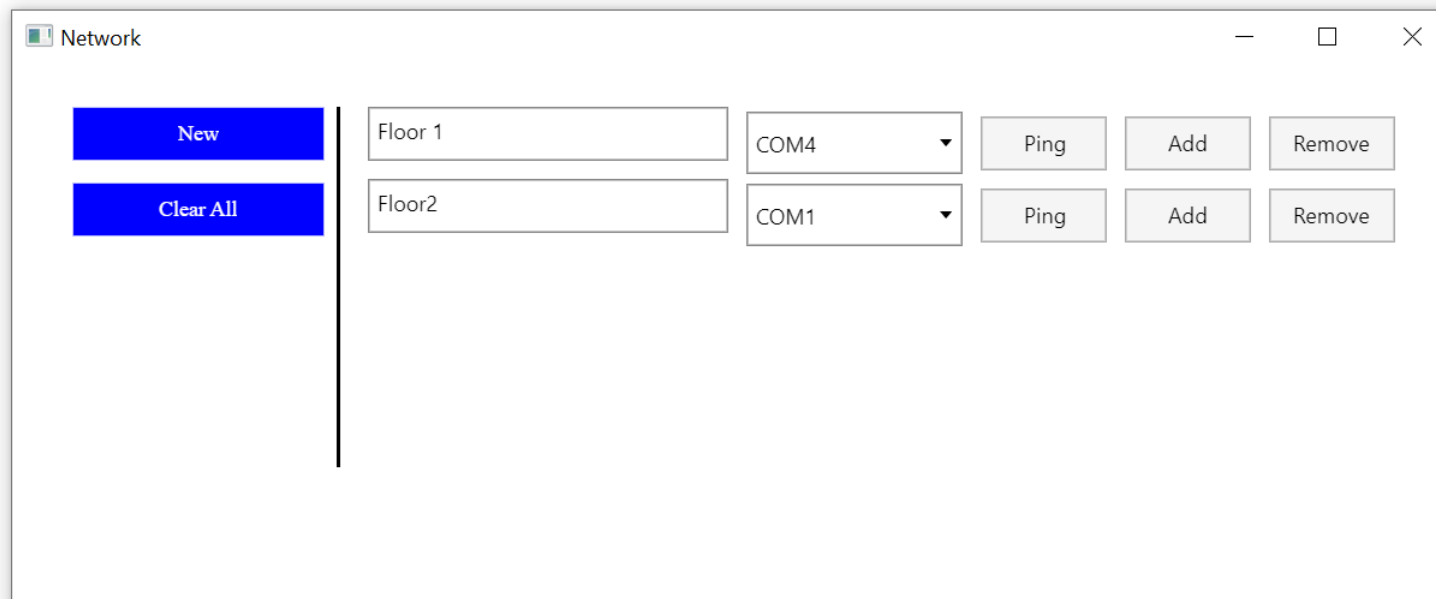
System (cc200-hv5) name.

Assign a com port to the system (USB to RS485 Adapters should be plugged in otherwise the com port will not appear in the pull down list).

Test the connection after assigning a com port

Add a system (cc200-hv5)

Remove a system (cc200-hv5)

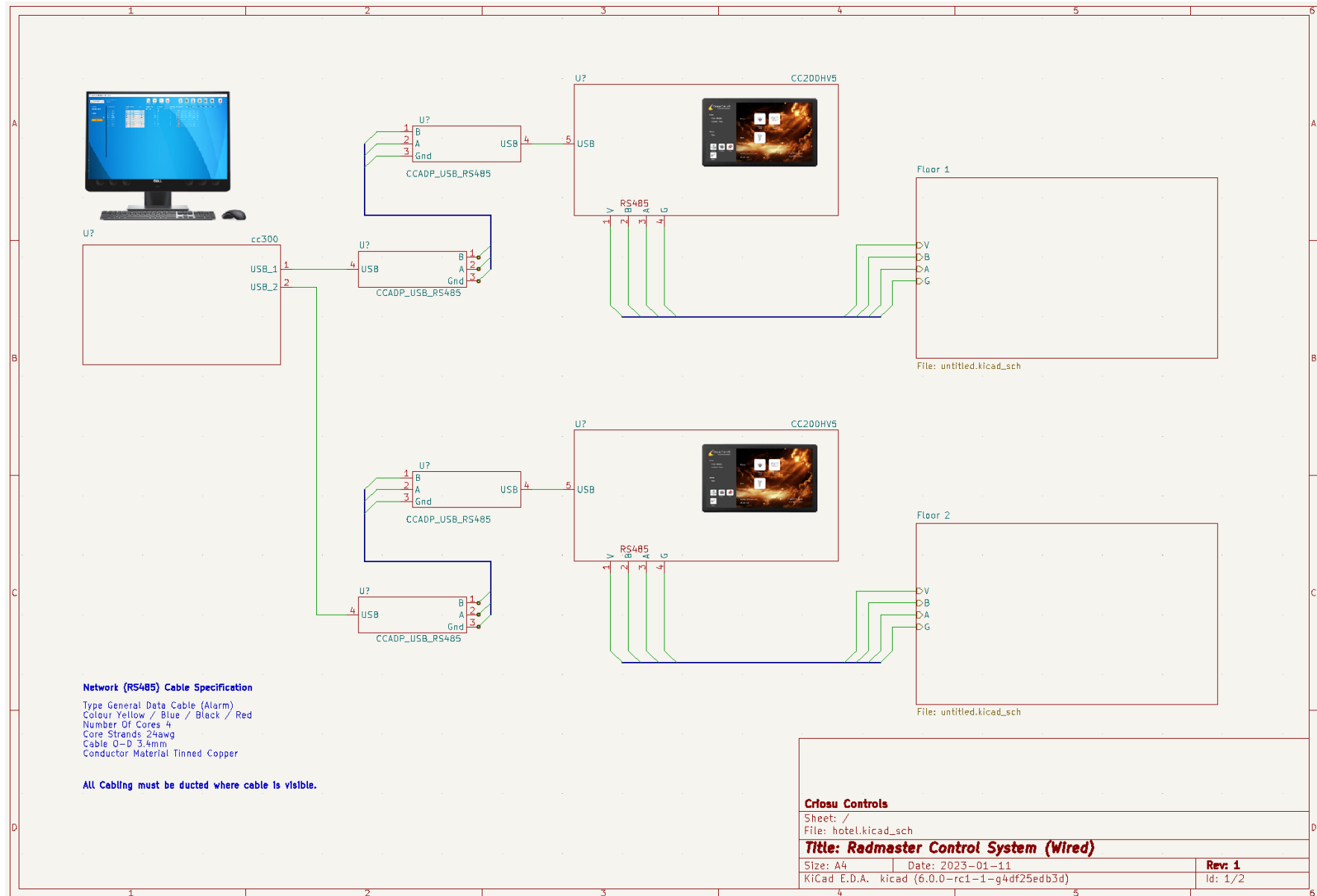


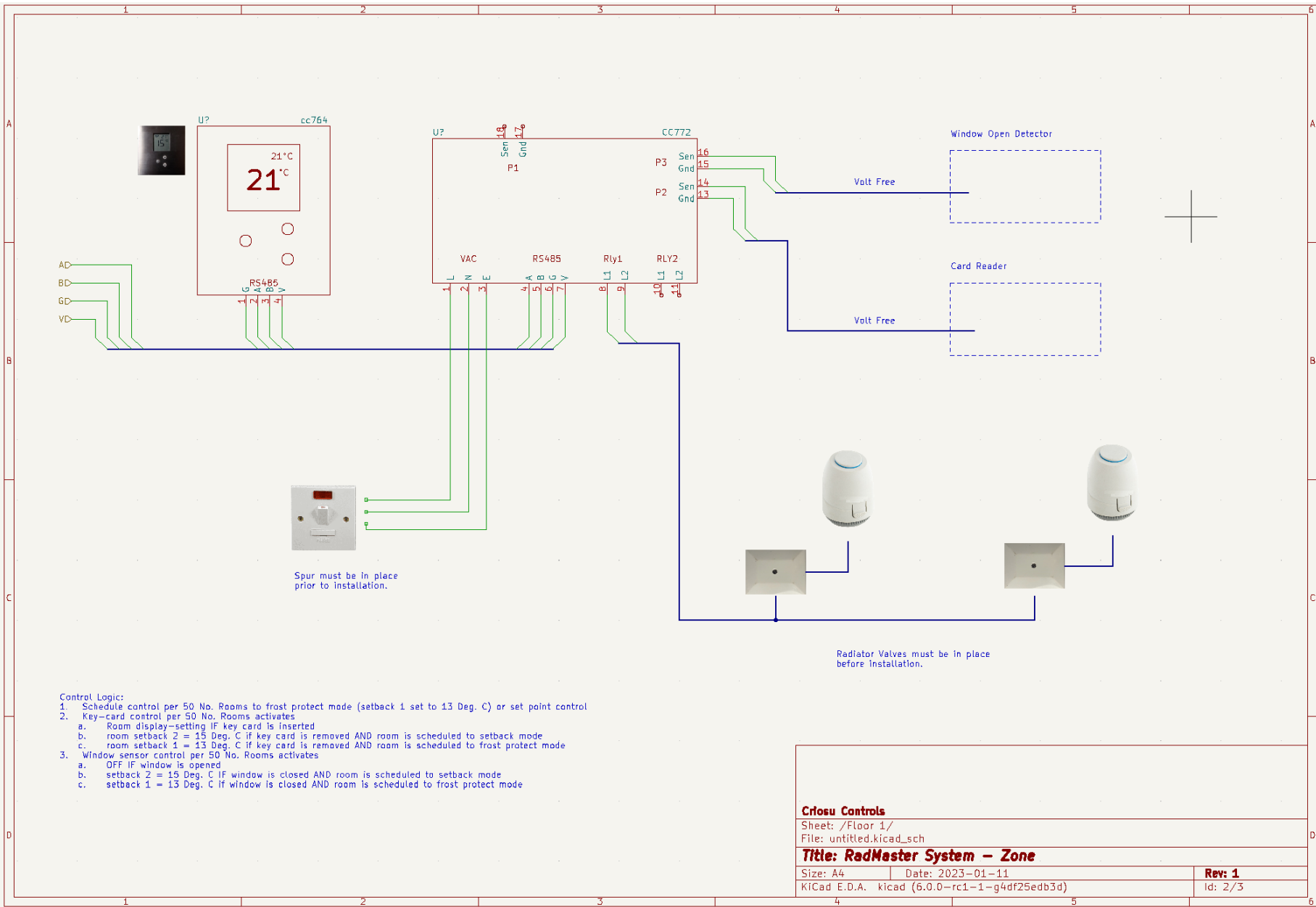
CC200HV5 Setup



Press  in the Home Screen, followed by  at the Setup Screen, followed by  in the Setup Screen.

Wiring





Crisu Controls		
Sheet: /Floor 1/		
File: untitled.kicad_sch		
Title: RadMaster System - Zone		
Size: A4	Date: 2023-01-11	Rev: 1
KiCad E.D.A. kicad (6.0.0-rc1-1-g4df25edb3d)		Id: 2/3