REV 1

CC300 - CENTRAL MANAGER (CC300-APP-CM)

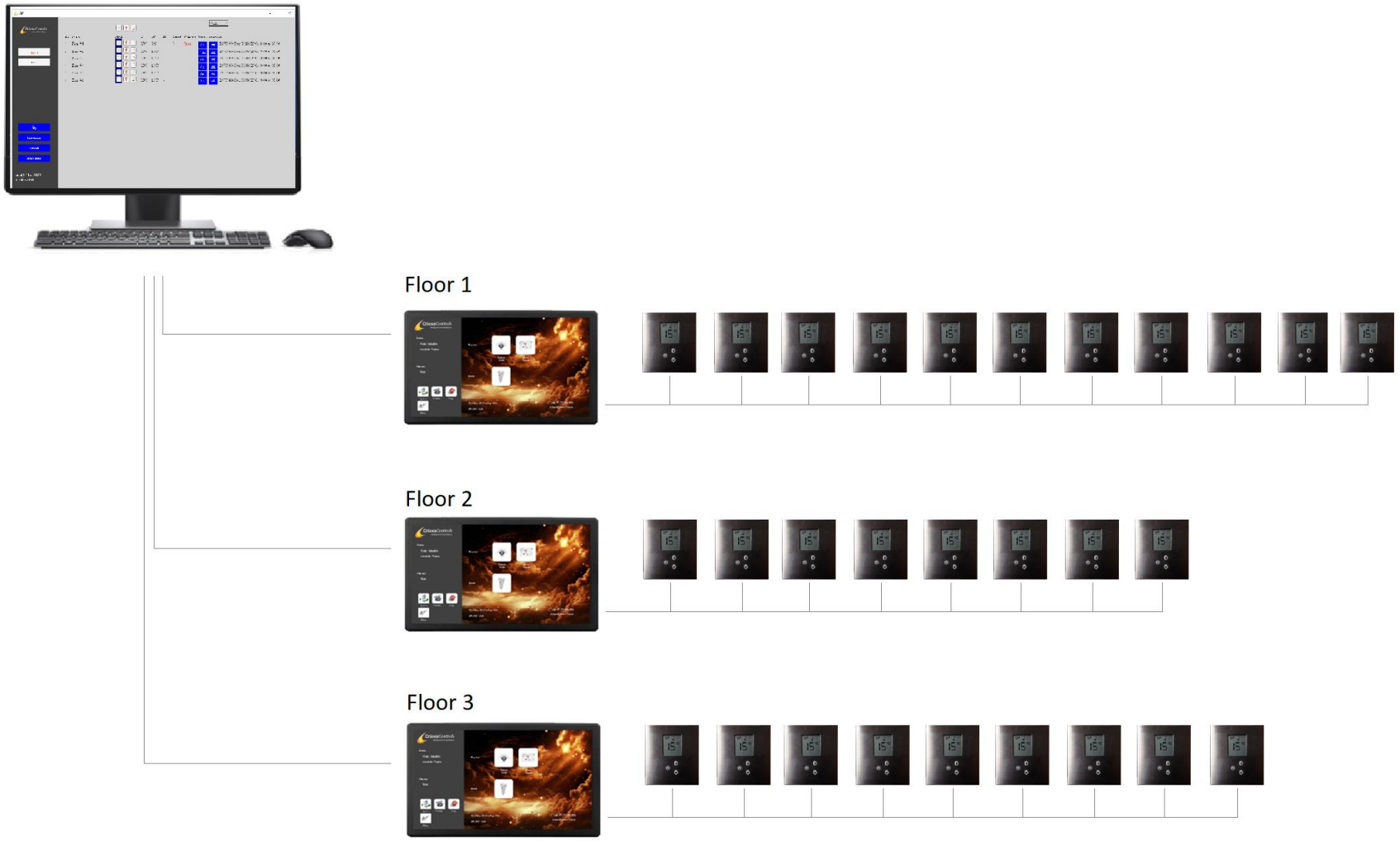
CC300 REV 20.1.48
CC200 REV 20.1.48+

CRIOSU CONTROLS

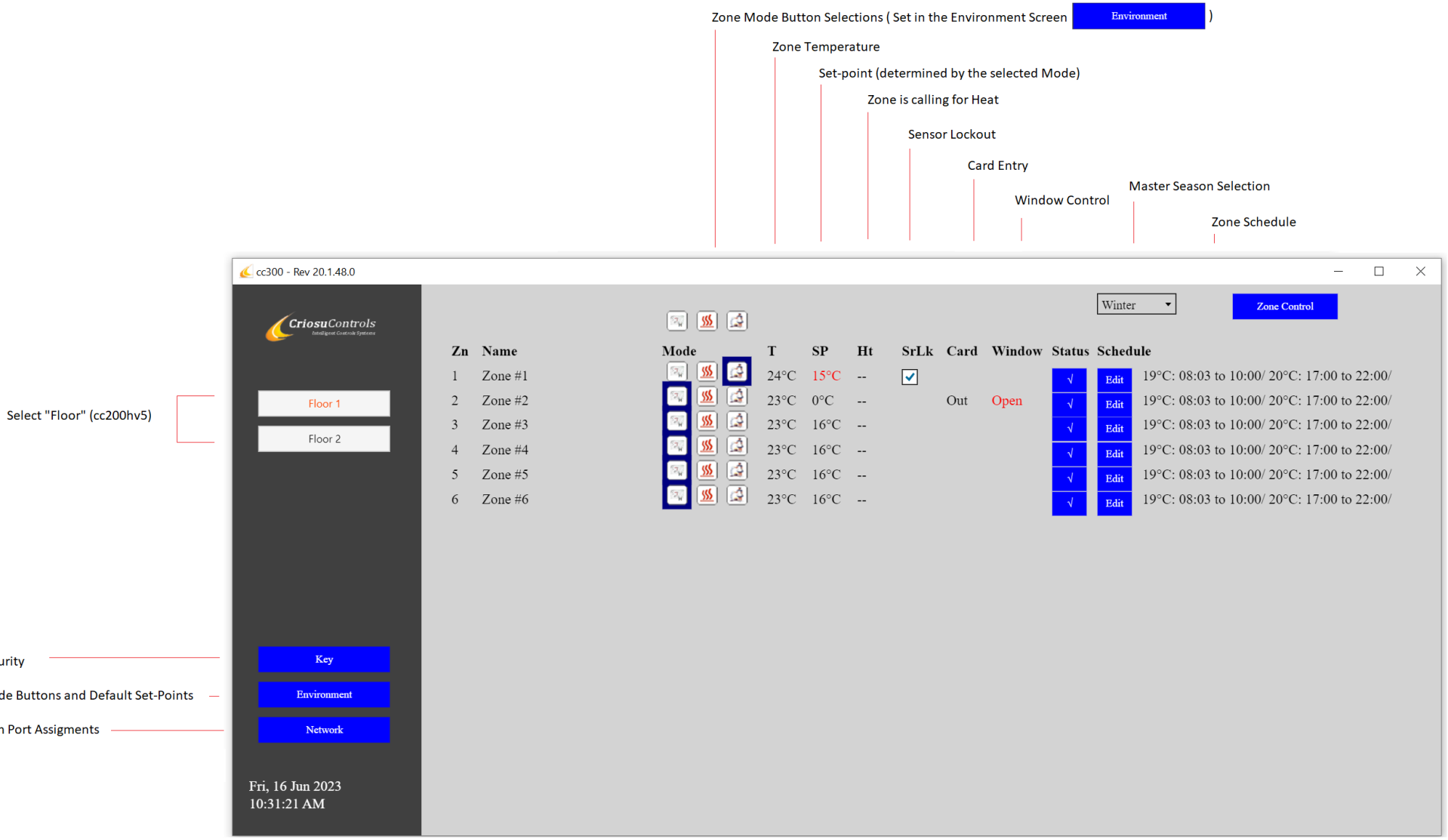
Table of Contents

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.

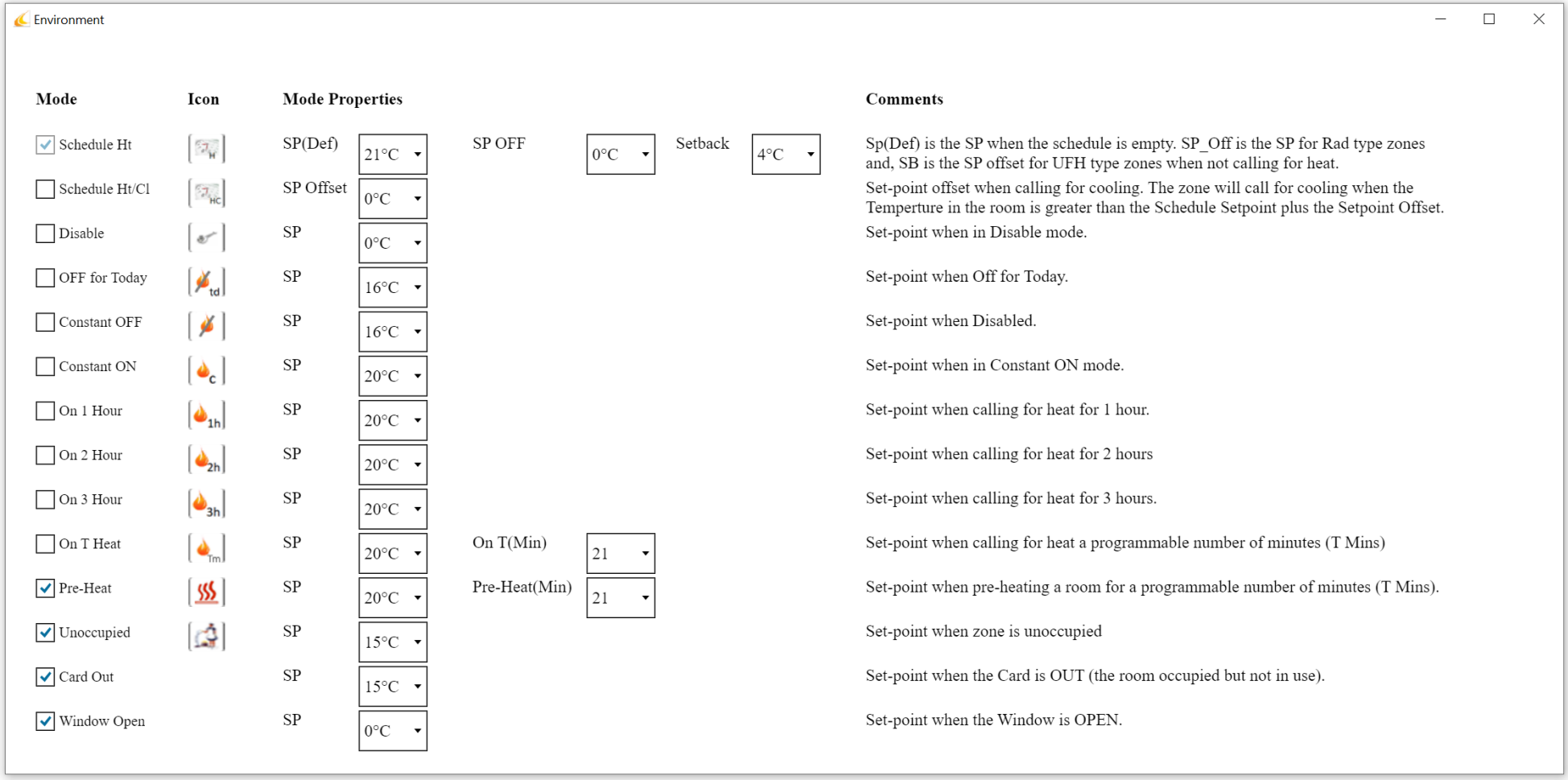


Home Screen


Zone Mode Button Selections (Set in the Environment Screen Environment)
Zone Temperature
Set-point (determined by the selected Mode)
Zone is calling for Heat
Sensor Lockout
Card Entry
Window Control
Master Season Selection
Zone Schedule
cc300 - Rev 20.1.48.0
CriosuControls
Winter
Zone Control
Zn Name Mode T SP Ht SrLk Card Window Status Schedule
1 Zone #1 24°C 15°C -- 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/
Select "Floor" (cc200hv5)
Floor 1
Floor 2
Security
Key
Mode Buttons and Default Set-Points
Environment
Com Port Assigments
Network
Fri, 16 Jun 2023
10:31:21 AM

Zone Mode Button Selections

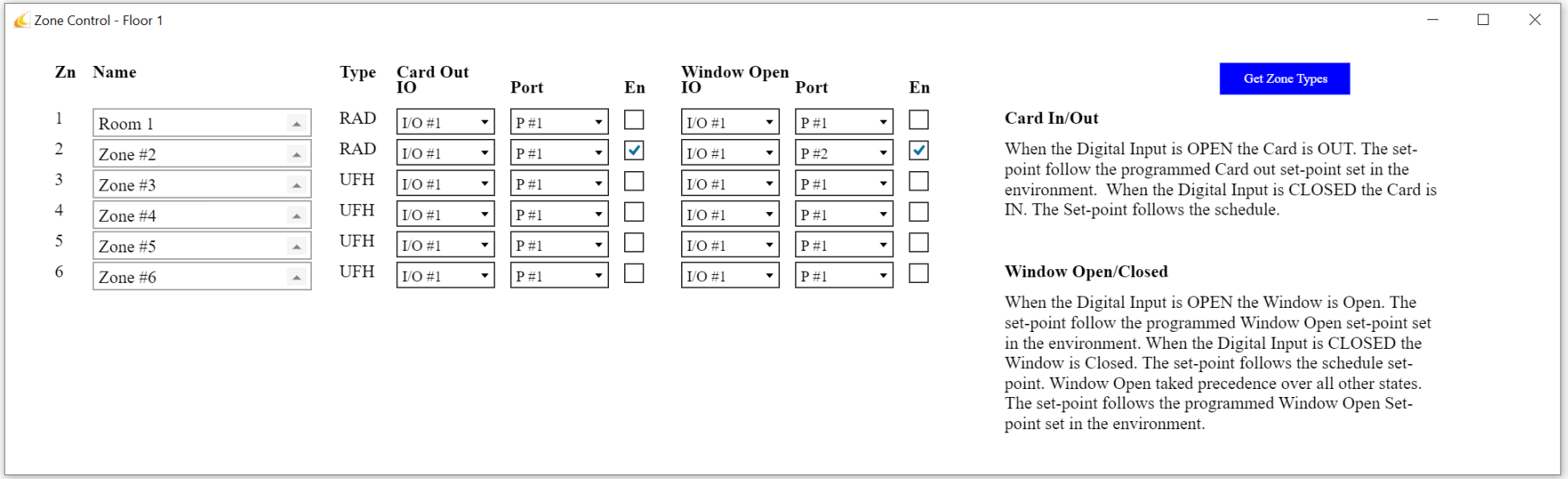
Press **Environment** in the Home Screen. Select the Modes of Operation required by the Home Screen by checking the Mode checkbox. The Schedule Mode is always included. Each Mode is assigned a programmable Set-Point which is applies when the mode is selected. The Zone Mode of operation is selected in 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.



Zone Control

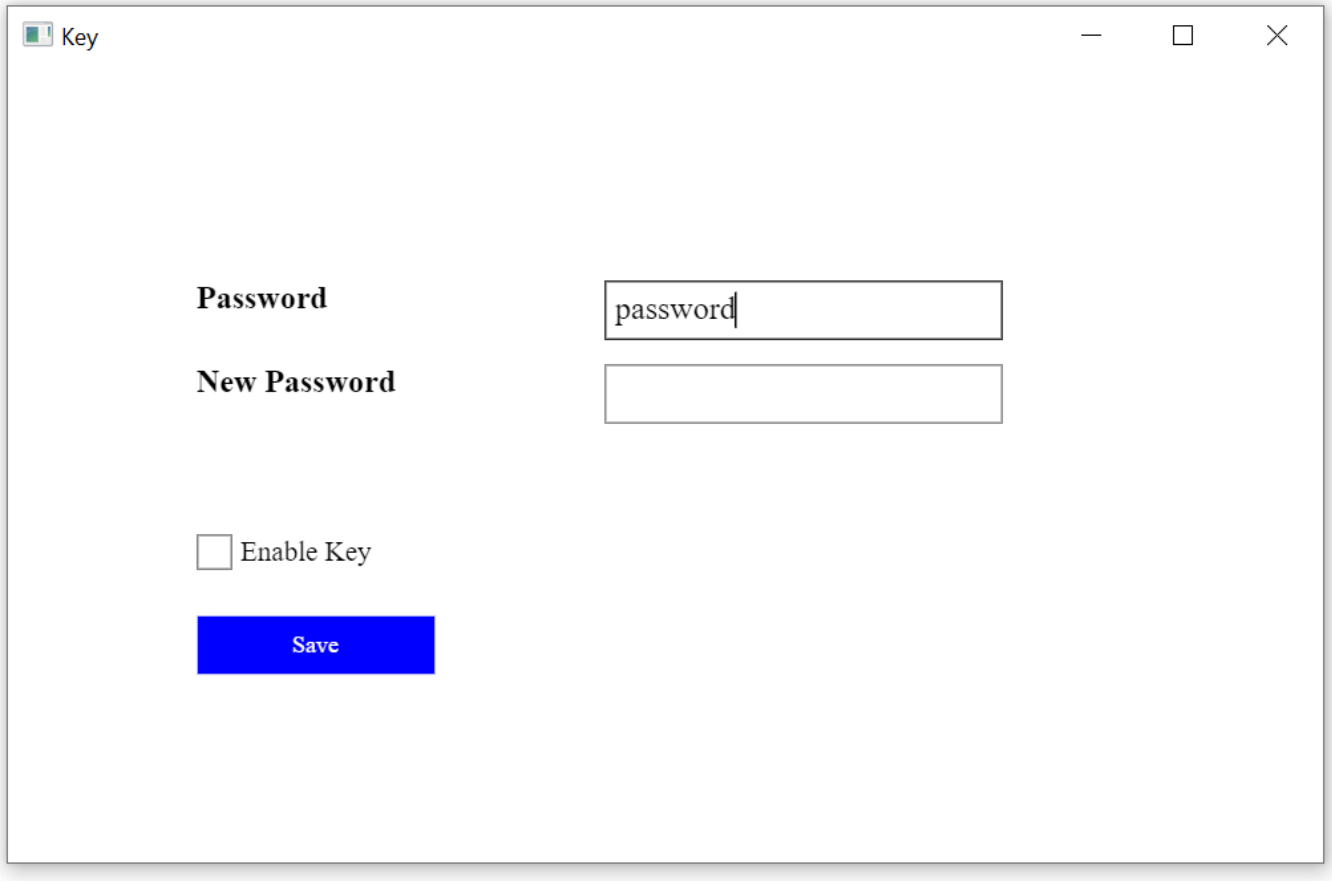
Press **Zone Control** in the Home Screen.

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.



Security

Press Key in the Home Screen.



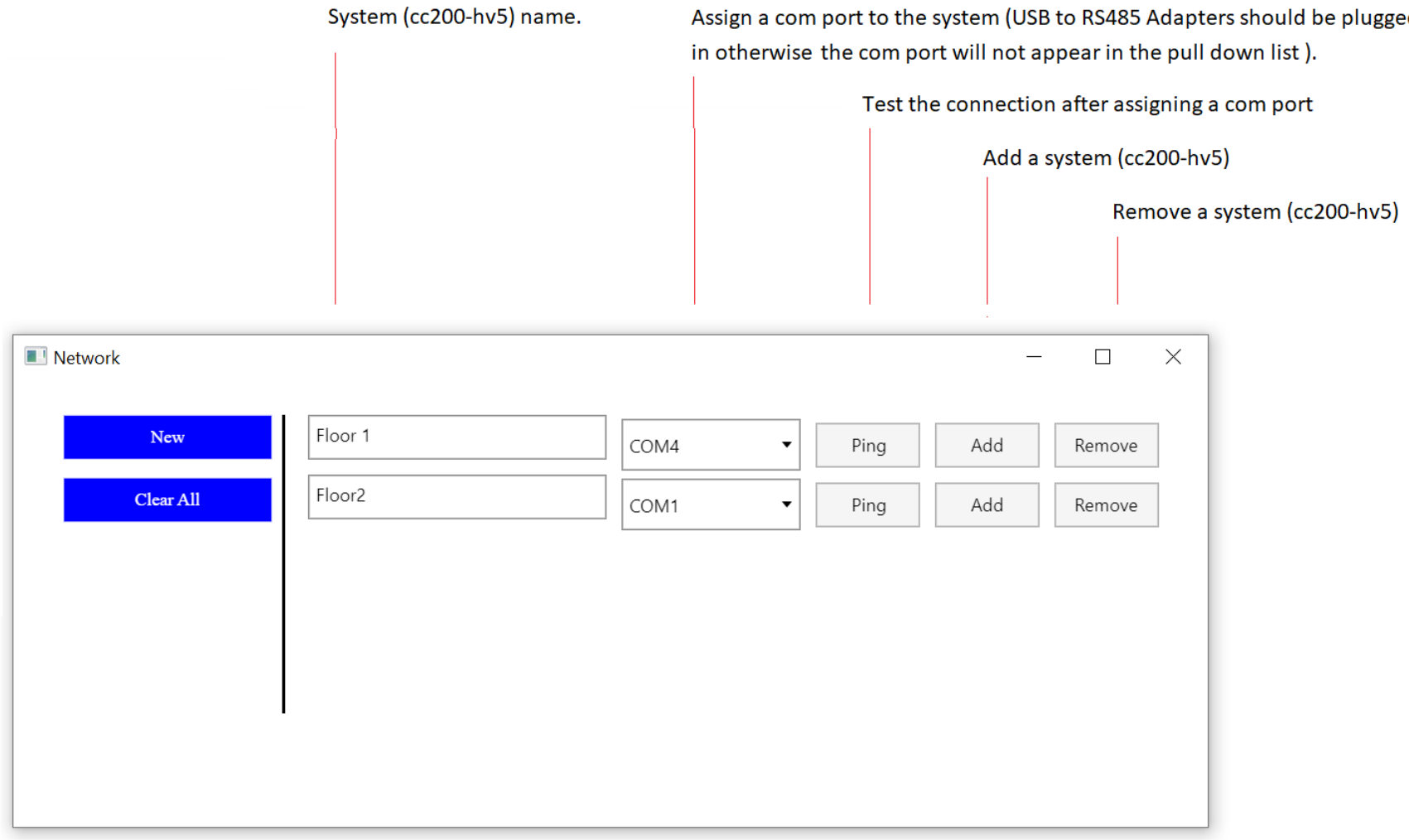
The default password is “Password”. The correct password must be entered to change the password of set “Enable Key.

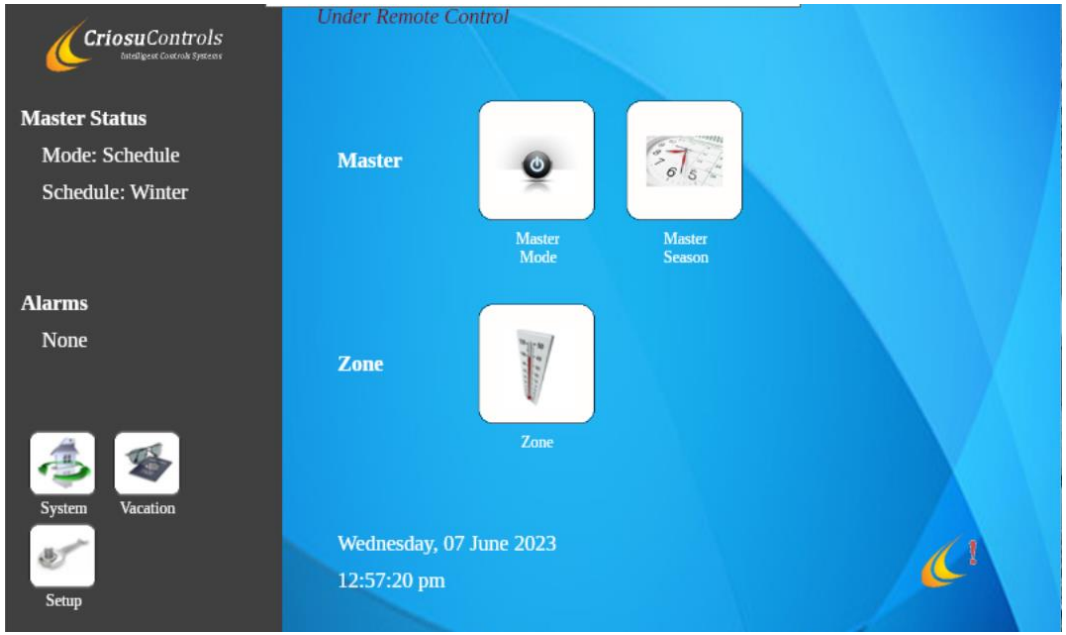
The Environment Network buttons are hidden the “Enable Key is Checked”

Adding a CC200HV5 to the CC300 Network

CC300 Setup

Press Network in the Home Screen.





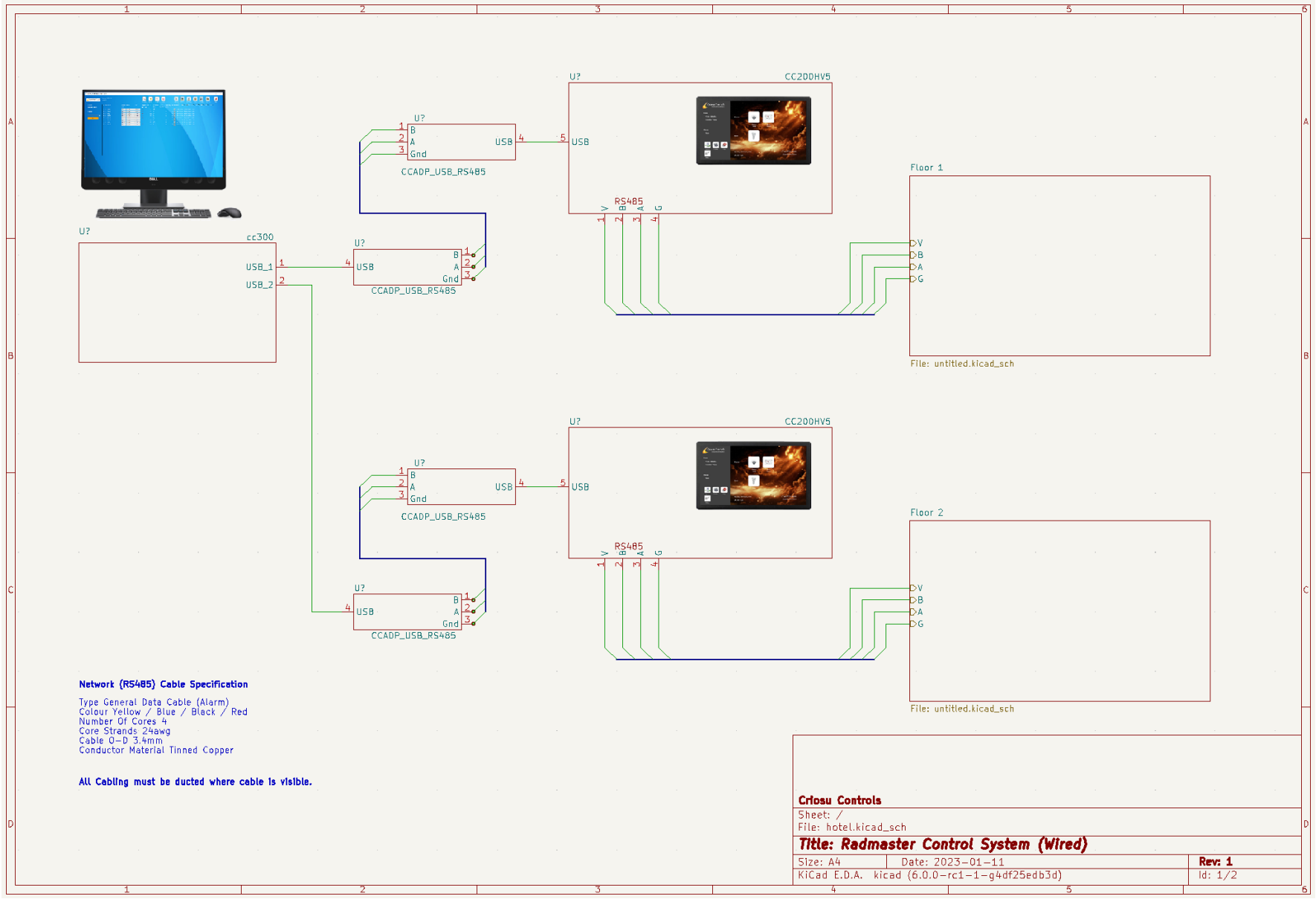
Press 

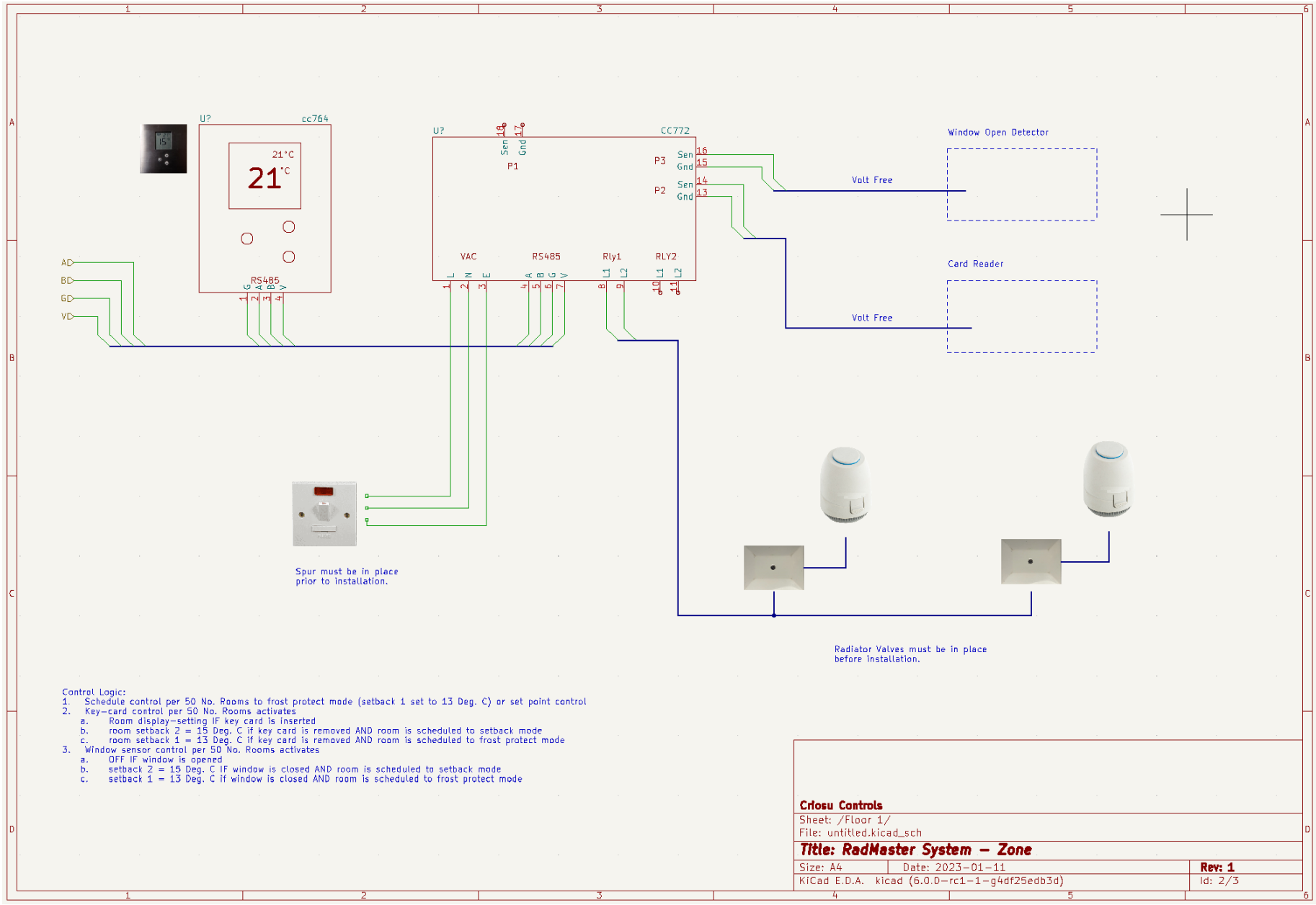
in the Home Screen, followed by 

at the Setup Screen, followed by 

in the Setup Screen.

Wiring


U?
CC200HV5
USB
RS485
V
B
A
G
Floor 1
File: untitled.kicad_sch
U?
CCADP_USB_RS485
B
A
Gnd
USB
U?
cc300
USB_1
USB_2
U?
CC200HV5
USB
RS485
Floor 2
File: untitled.kicad_sch
U?
CCADP_USB_RS485
U?
CCADP_USB_RS485
Network (RS485) Cable Specification
Type General Data Cable (Alarm)
Colour Yellow / Blue / Black / Red
Number Of Cores 4
Core Strands 24awg
Cable O-D 3.4mm
Conductor Material Tinned Copper
All Cabling must be ducted where cable is visible.
Crosu Controls
Sheet: /
File: hotel.kicad_sch
Title: Radmaster Control System (Wired)
Size: A4
Date: 2023-01-11
Rev: 1
KiCad E.D.A. kicad (6.0.0-rc1-1-g4df25edb3d)
Id: 1/2


U?
cc764
21°C
21°C
RS485
G
A
B
V
AD
BD
GD
VD
U?
CC772
P1
Sen
Gnd
P3
Sen
Gnd
P2
Sen
Gnd
VAC
RS485
Rly1
RLY2
L
N
E
A
B
G
V
L1
L2
L1
L2
Window Open Detector
Volt Free
Card Reader
Volt Free
Spur must be in place
prior to installation.
Radiator Valves must be in place
before installation.
Control Logic:
1. Schedule control per 50 No. Rooms to frost protect mode (setback 1 set to 13 Deg. C) or set point control
2. Key-card control per 50 No. Rooms activates
a. Room display-setting IF key card is inserted
b. room setback 2 = 15 Deg. C if key card is removed AND room is scheduled to setback mode
c. room setback 1 = 13 Deg. C if key card is removed AND room is scheduled to frost protect mode
3. Window sensor control per 50 No. Rooms activates
a. OFF IF window is opened
b. setback 2 = 15 Deg. C IF window is closed AND room is scheduled to setback mode
c. setback 1 = 13 Deg. C if window is closed AND room is scheduled to frost protect mode
Crosu 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