



EMERSON CC200 Guide Cold Chain Connect Mobile Application User Guide

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Cold Chain Connect is a mobile application for connecting to the Emerson CC200 refrigerated case controller. This document is a guide for using the Cold Chain Connect App to set parameters, graph inputs and outputs, set service overrides, and view alarms. Cold Chain Connect provides a window into CC200 operation and diagnostics directly at the location of the refrigerated fixture or walk-in box.

Download the Cold Chain Connect Application

a. Visit the App Store® and download the Cold Chain Connect App:


<https://www.apple.com/ios/app-store> or scan the QR code:



Figure 1 - Cold Chain Connect App

Register the App

- Select New User? Register.
- Fill out all the required fields and press Register.
- You will receive an email once your account has been activated.




Cold Chain Connect

Email

Password

[Forgot Password?](#) [New user? Register.](#)

Sign In



[Legal/Privacy](#)

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9:41 AM 100%

[Cancel](#) **Register**

First Name

Last Name

Email

Phone Number (555-555-5555)

Password

Confirm Password

☐ I agree to [Legal/Privacy](#)

Register

Figure 2 - Registration

How to Activate Bluetooth® on the CC200 Case Display

a. Step 1 – Unlock Screen. Press and hold for three seconds on the top RIGHT corner of the screen. Once the Display is unlocked, SET will be visible in the bottom left corner and PRG will be visible in the top right corner:

Note: After 5 minutes with no touch activity, the Display keyboard locks automatically.

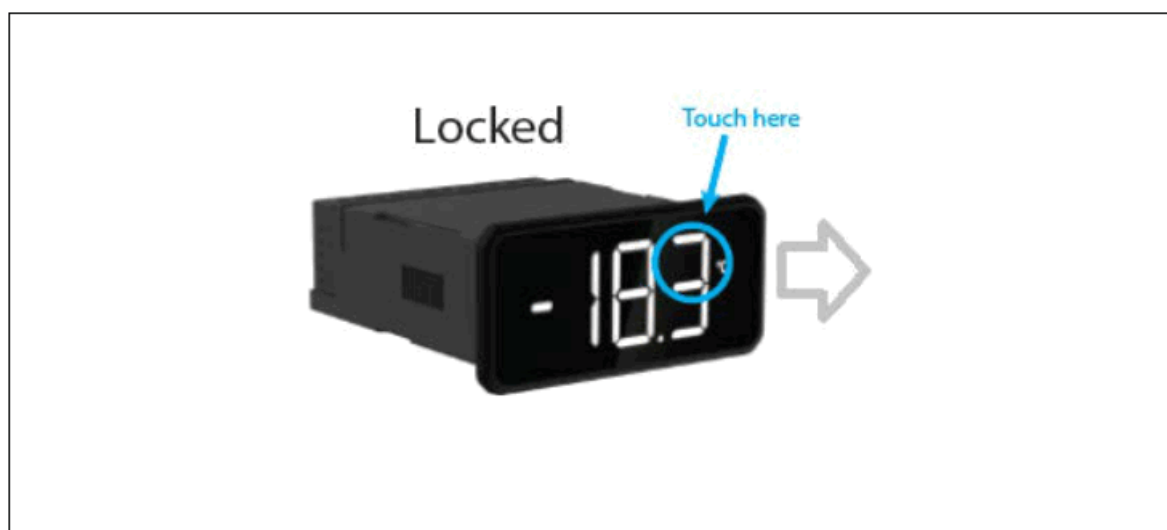


Figure 3 - Unlock Screen

b. **Step 2** – Virtual Keyboard. Swipe LEFT or RIGHT to navigate to the virtual keyboard:

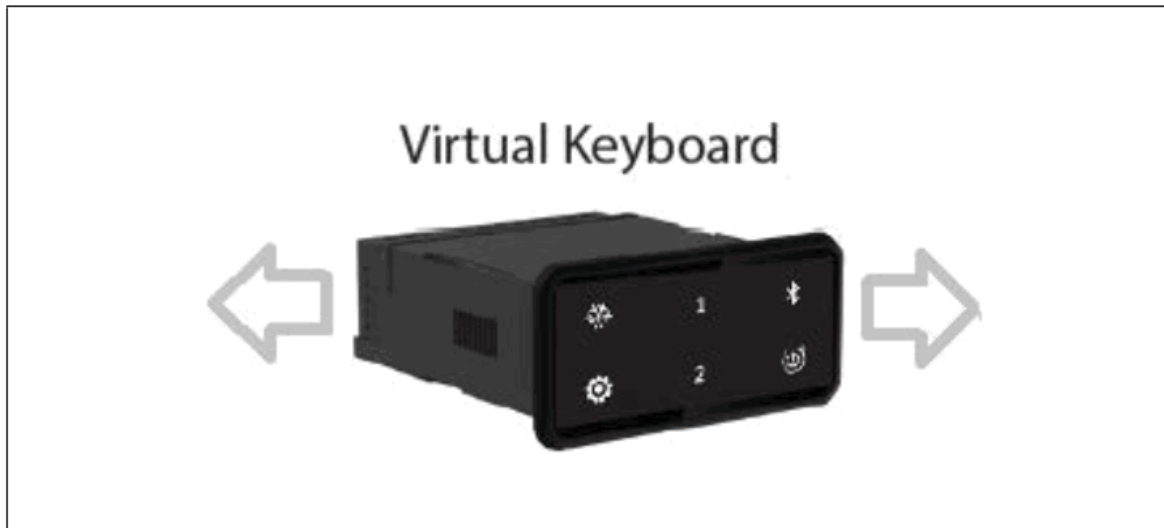


Figure 4 - Virtual Keyboard Unlocked

c. Step 3 – Turn ON Bluetooth®. From the virtual keyboard, press and hold the Bluetooth® icon on the top RIGHT corner for three seconds.

d. Once Bluetooth® is activated, a small Bluetooth® status icon in the lower right corner of the Display will begin to blink slowly, indicating the CC200 is ready for connection. The Bluetooth® status icon turns solid when Cold Chain Connect is actively connected.

Note that after 10 minutes with no connection from Cold Chain Connect, Bluetooth® on the CC200 switches off automatically.



Figure 5 - Turn On Bluetooth®

Connecting to a Case

a. Once the CC200 Bluetooth® is ON (refer to step 3) and the Bluetooth® icon is blinking slowly, the CC200 is ready to connect to the Cold Chain Connect App.

b. Turn Bluetooth® ON the mobile device or tablet. Open Cold Chain Connect and sign in. After signing in, Cold Chain Connect will scan for nearby CC200 controllers and available controllers will be displayed as shown in the screen below (Figure 6).

c. Tap the name of the CC200 you wish to connect to:

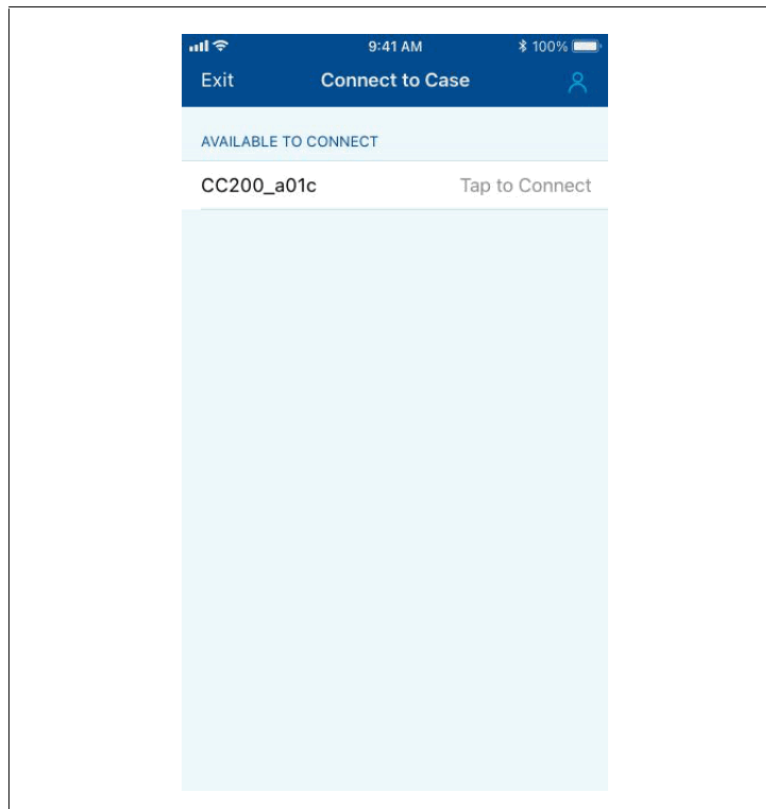


Figure 6 - Connect to Case

Information on the Case Tab

Once a connection with a CC200 has been established, the Case tab will appear with CC200 status information and available service commands.

- Case temps
- Case Superheat
- Status of the relay outputs
- Overrides
- Pressures
- Alarms

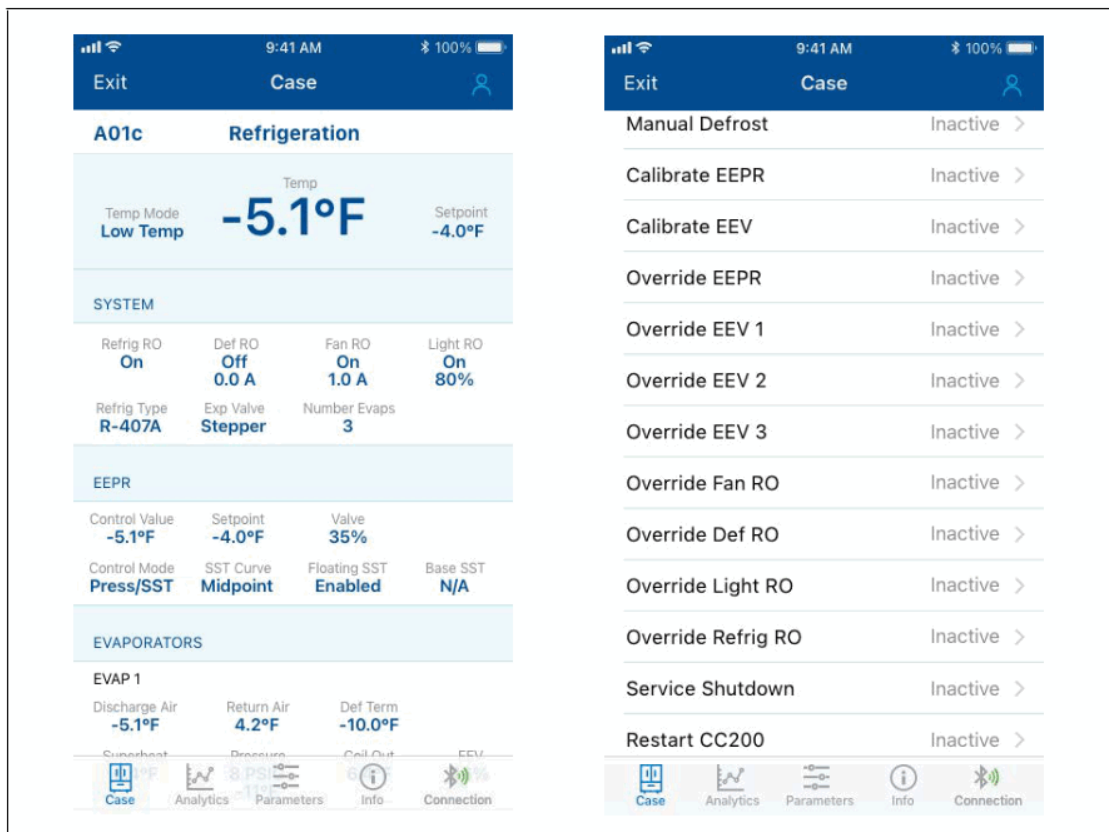



Figure 7 - Information on the Dashboard

How to Set Parameters

- Select the Parameters  tab at the bottom of the application.
- On the Parameters screen a list of parameter groups is shown.
- Touch the first group name to enter the group and begin the configuration process.
 - Each group will have a list of parameters and a description. The current value of the parameter is shown in blue to the right of the name.
- Touch the first parameter in the group to bring up the edit control.
 - Enter the desired value and press Done. The new edit will be shown above the original value of the parameter.
- Edit all the desired parameters within the group.
 - Press Save in the top right corner of the Group screen.

Note: Pressing Back discards any edits selected for that group and they will not be saved to the CC200.

- Repeat the procedure for all the groups.

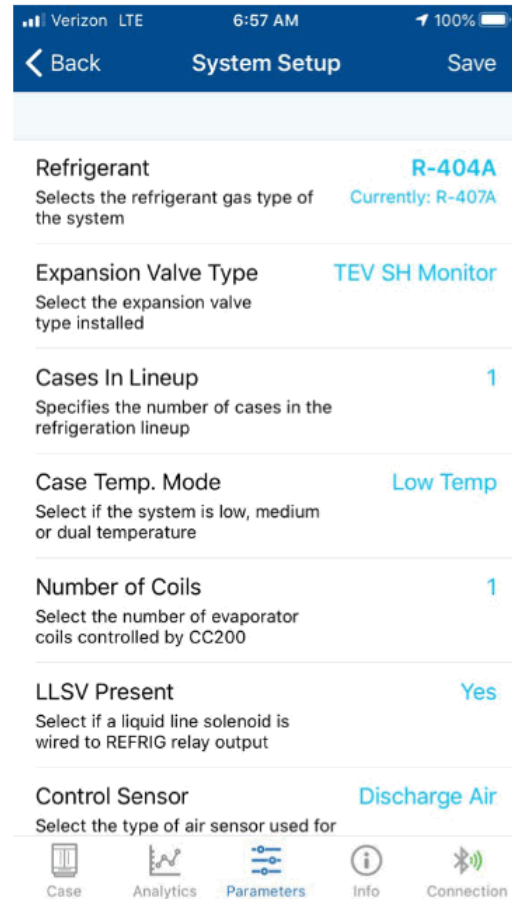
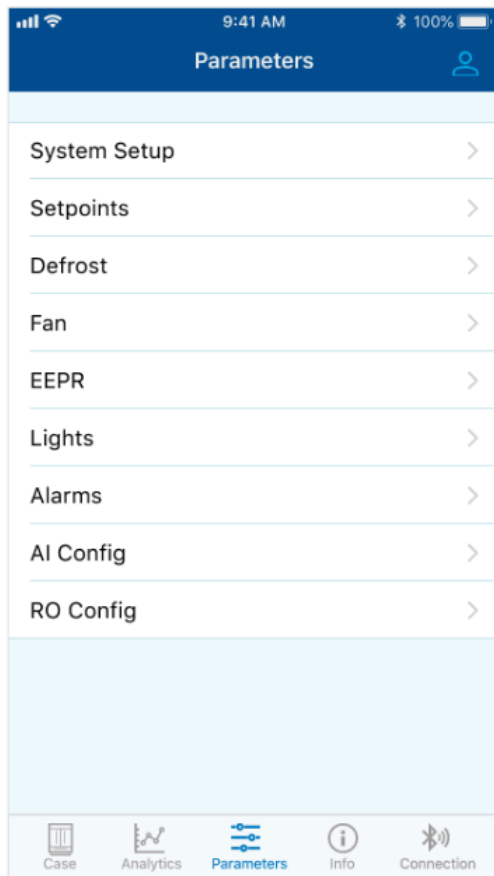


Figure 8 - How to Set Parameters

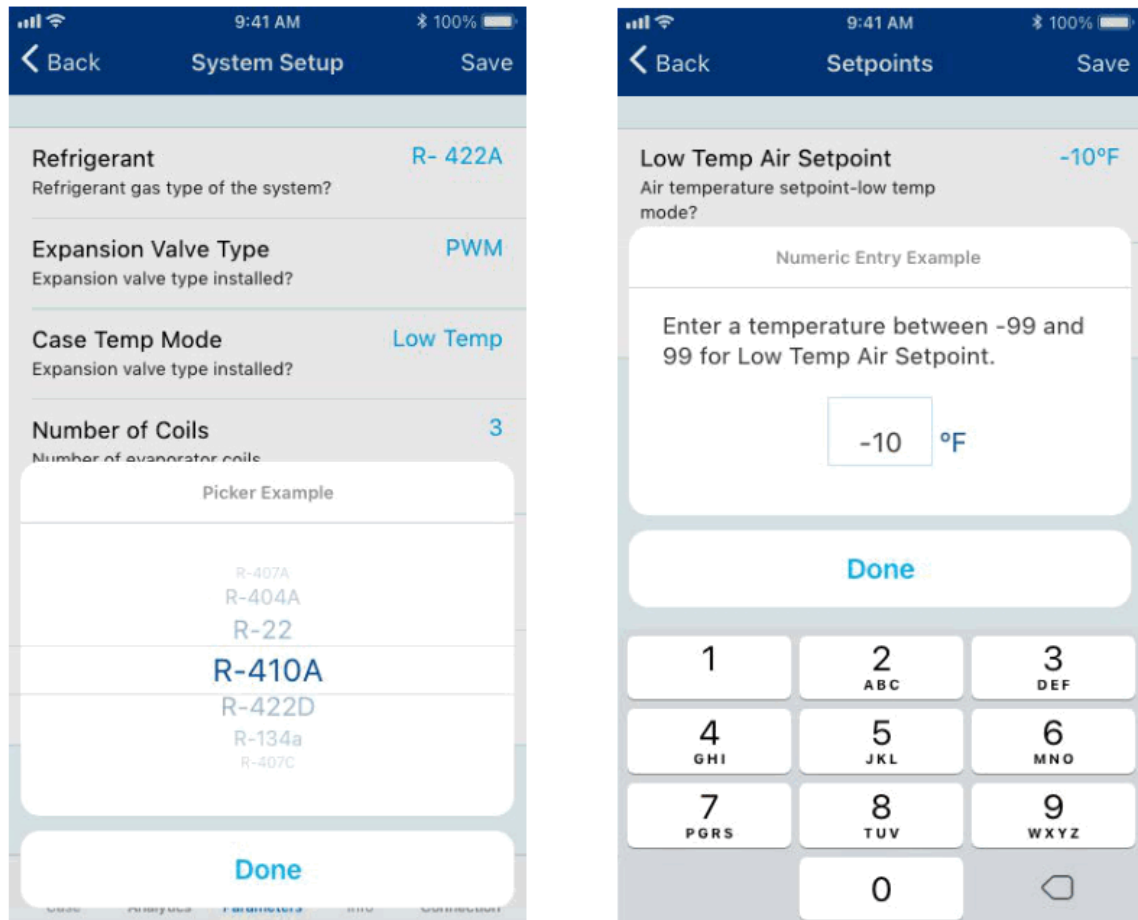


Figure 9 - Enter the Value

Manual Defrost

- From the dashboard, scroll down to COMMANDS.
- Select Manual Defrost.
- A pop-up will appear with two options:

- Manual Defrost
 - This option puts the CC200 into a defrost cycle immediately. The CC200 will terminate the defrost according to the programmed defrost parameters as if it were a normally scheduled defrost cycle.
- Emergency Defrost
 - This option puts the CC200 into a defrost cycle immediately; however, the CC200 will run the defrost cycle for the maximum period of time programmed in the defrost parameter group.

- To cancel the Manual Defrost or Emergency Defrost:

- Select Manual Defrost again and now, a pop-up to End Manual Defrost will appear. Select End Manual Defrost and the defrost is now cleared.

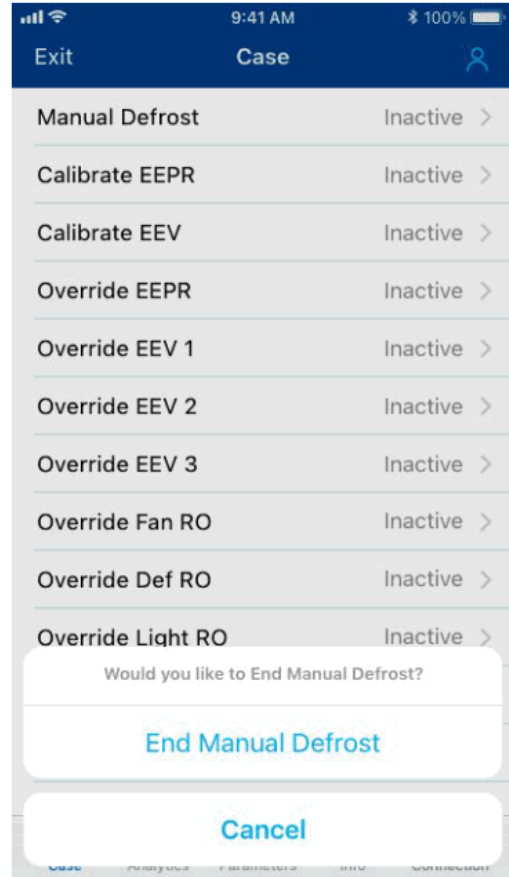
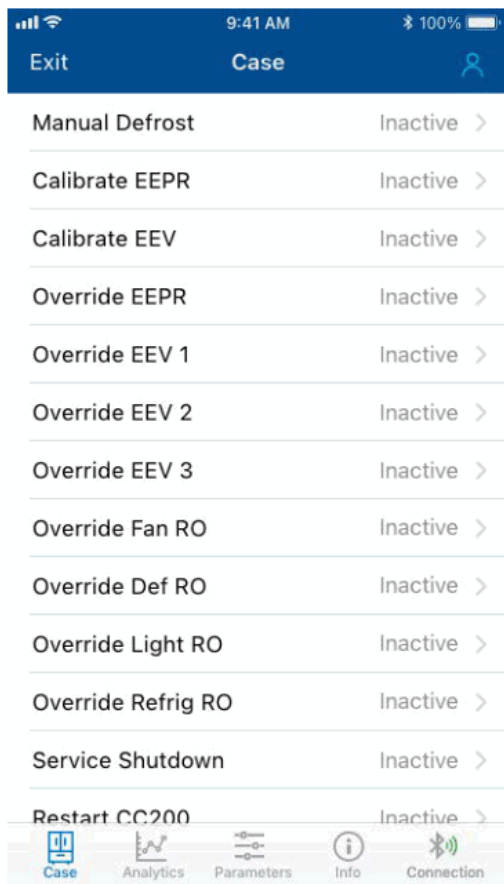


Figure 10 - Manual Defrost

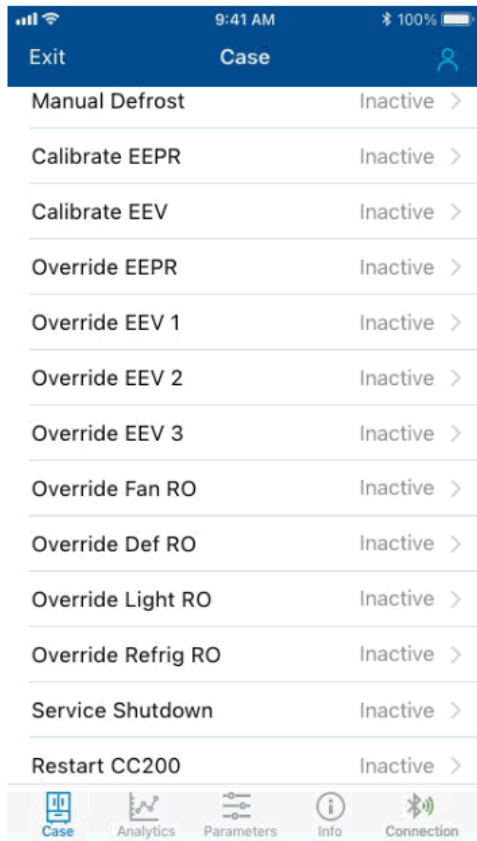


Figure 11 - End Manual Defrost

Calibrate Valve

- From the dashboard, scroll down to COMMANDS.
- Select Calibrate EEPR.
- The valve will start calibrating.

Note: The calibration cannot be stopped once it has started.

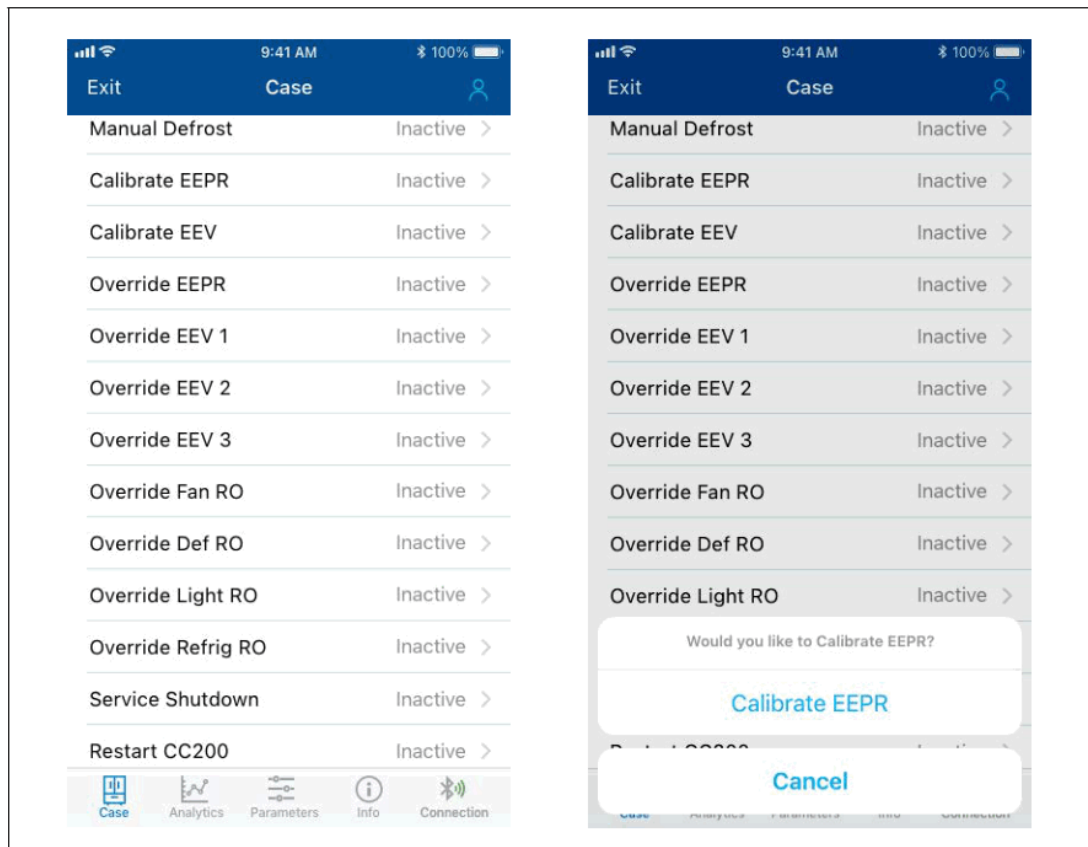


Figure 12 - Calibrate EEPR

Overrides

- From the dashboard, scroll down to COMMANDS.

- You will see a list of overrides that can be manually configured.
- All overrides are timed and with a maximum time of 10 minutes.

- Select the desired override to enter on the Override screen.
- In the Override screen, toggle the switch and two new fields will become visible.
- Select the override value and length of time. A maximum time duration of 10 minutes is allowed for all overrides.
- Once a value and length of time have been chosen, press Save to set the override. The override can be changed at any time by re-entering the screen, choosing a different value, and pressing Save.
- Active overrides will be highlighted blue in the dashboard for easy identification.
- To cancel an active override, tap the override from the main case tab. Turn off the green toggle switch and press Save.

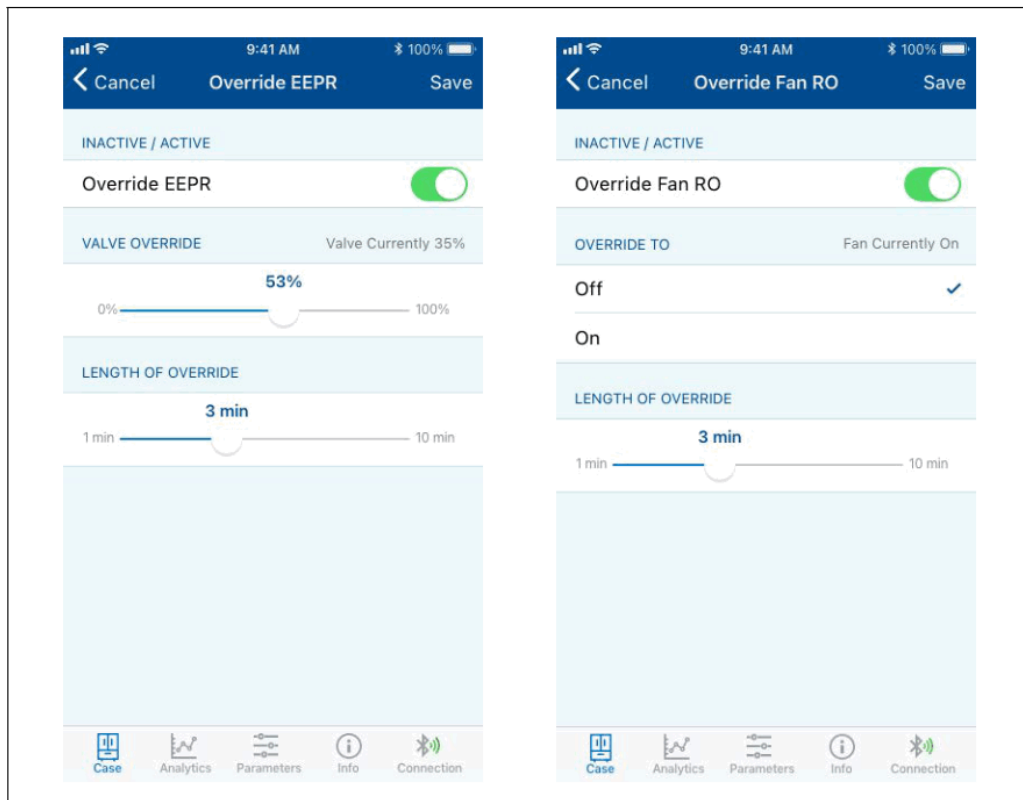


Figure 13 - Overrides

Restart the CC200

For convenience and service there is a command to reboot the CC200. To reboot the CC200, select the Restart CC200 command from the list. A pop-up will be shown to confirm the action. The CC200 controller will perform a soft reboot and status information will be temporarily unavailable in the Cold Chain Connect dashboard.

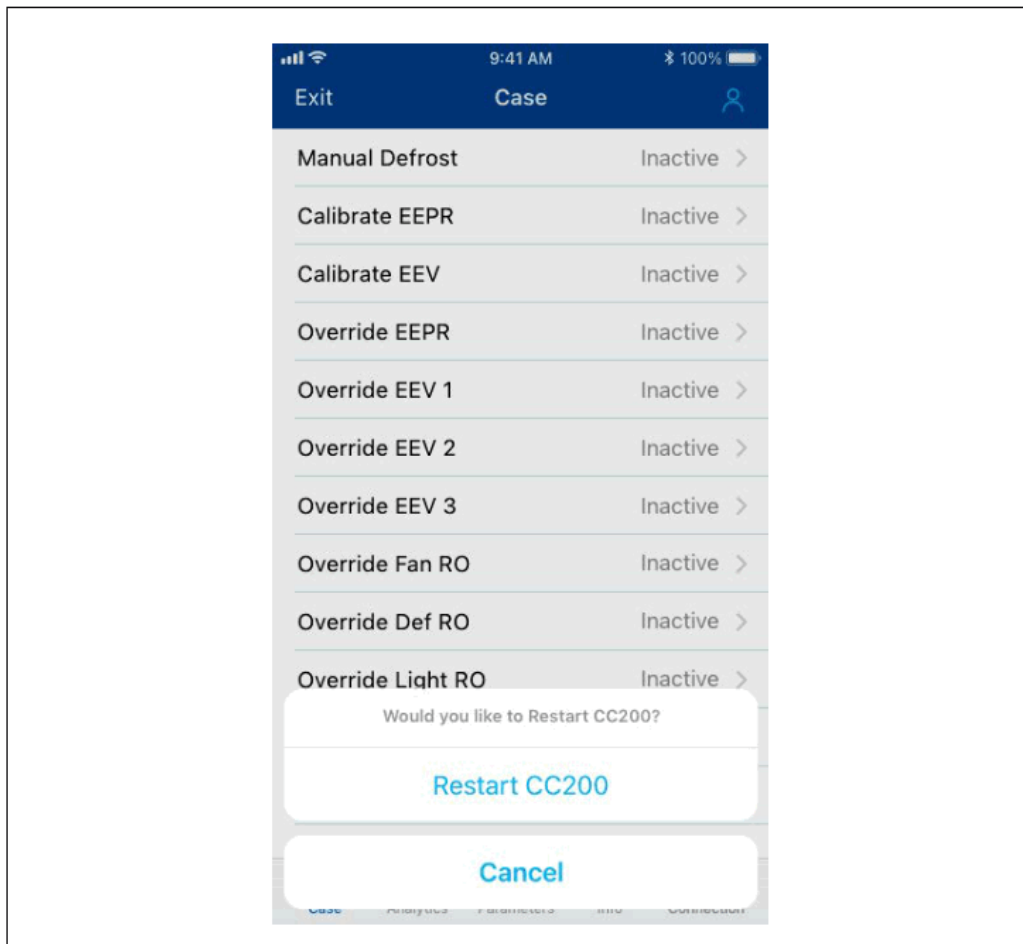






Figure 14 - Restart

Real-Time Graphs

- a. Select the Analytics  tab at the bottom of the application.
- b. Select Filter  at the top of the application.
 - Select the desired values to graph from the list of available CC200 data points and press Apply. Cold Chain Connect will begin building the graph.
 - A maximum of two analog data types and two ON/OFF data types can be graphed simultaneously. Tap the graph line anywhere to see a plot marker of the value at that point in time.
- c. Select  and you will be able to select three options:
 - 5 minutes
 - 10 minutes
 - 15 minutes
- d. Select Share  at the top of the application.
 - You will be prompted to share the graph.

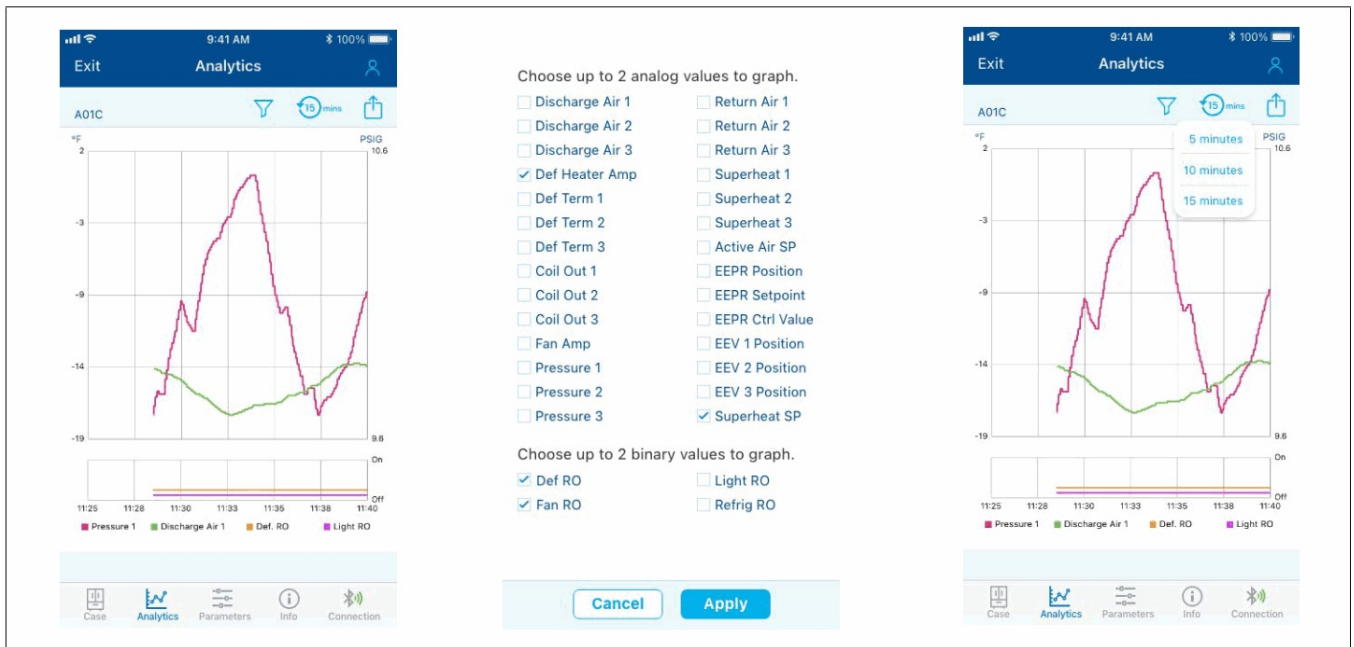


Figure 15 - Real-Time Graphs

Viewing Alarms

Active CC200 alarms can be viewed in the case tab by tapping the alarm icon in the upper right corner of the case screen. When one or more alarm conditions are active the alarm icon will be red, if there are no active alarms the icon will be gray and the count will be zero:

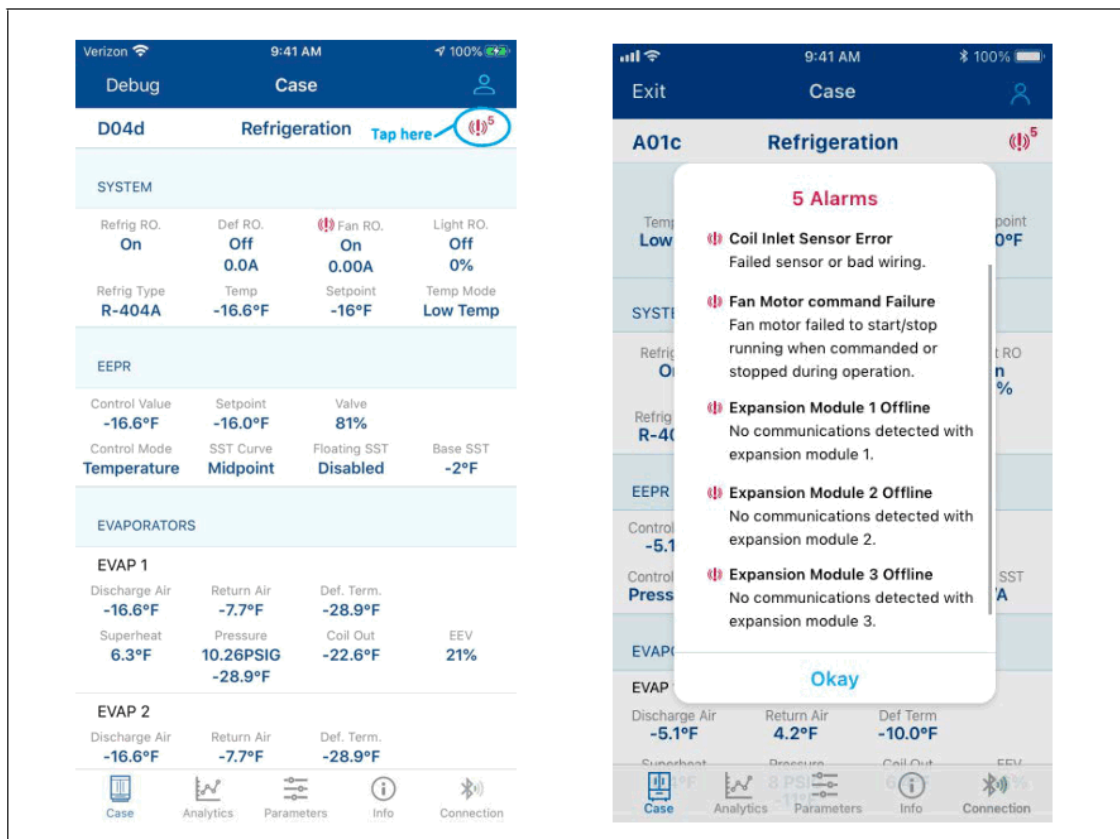


Figure 16 - View Alarms

An alarm icon will appear next to any piece of data in the Case tab that has an active alarm. Tap the icon next to the data point to see the description:

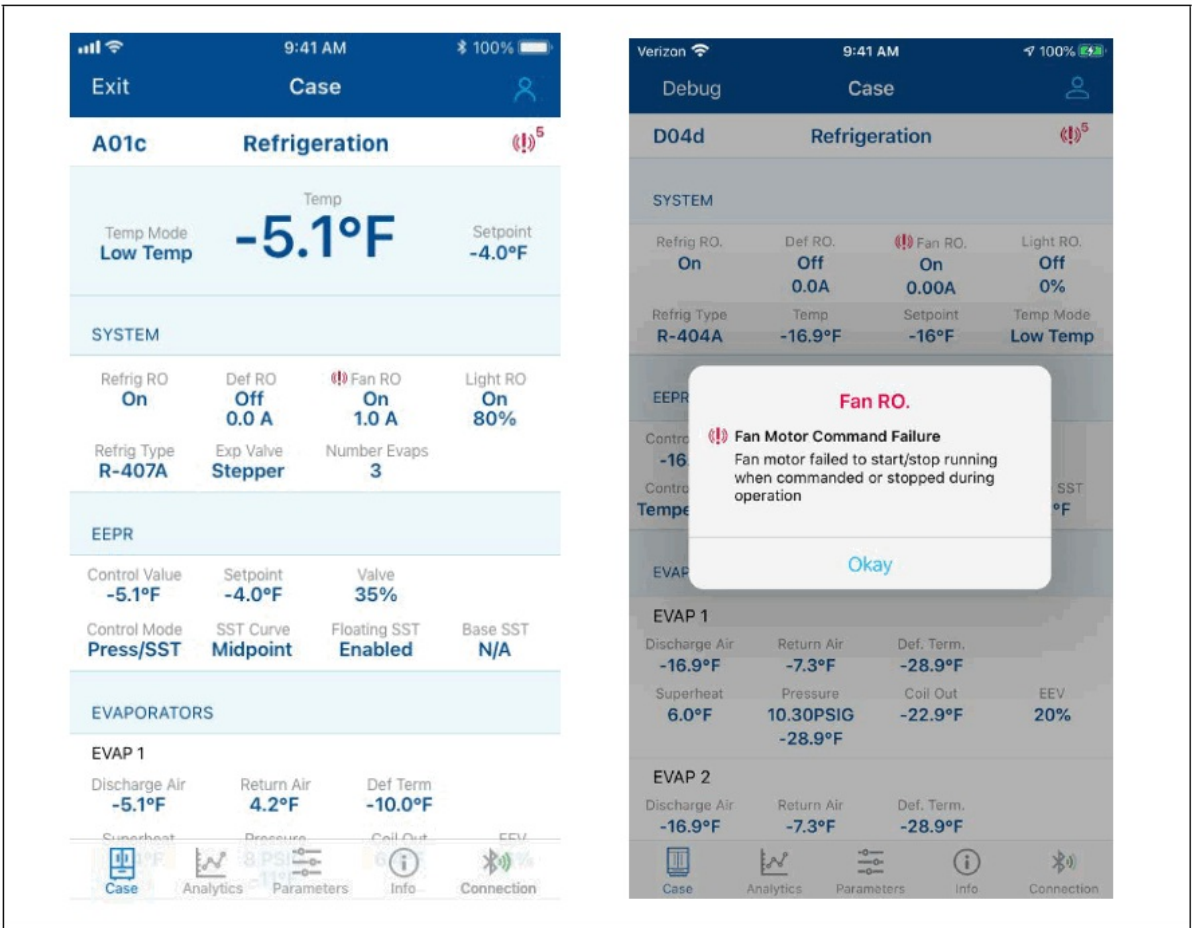



Figure 17 - View Alarms

Info

- Select Info  at the bottom of the application and you will see the Store info, CC200 version, and the Cold Chain Connect version:

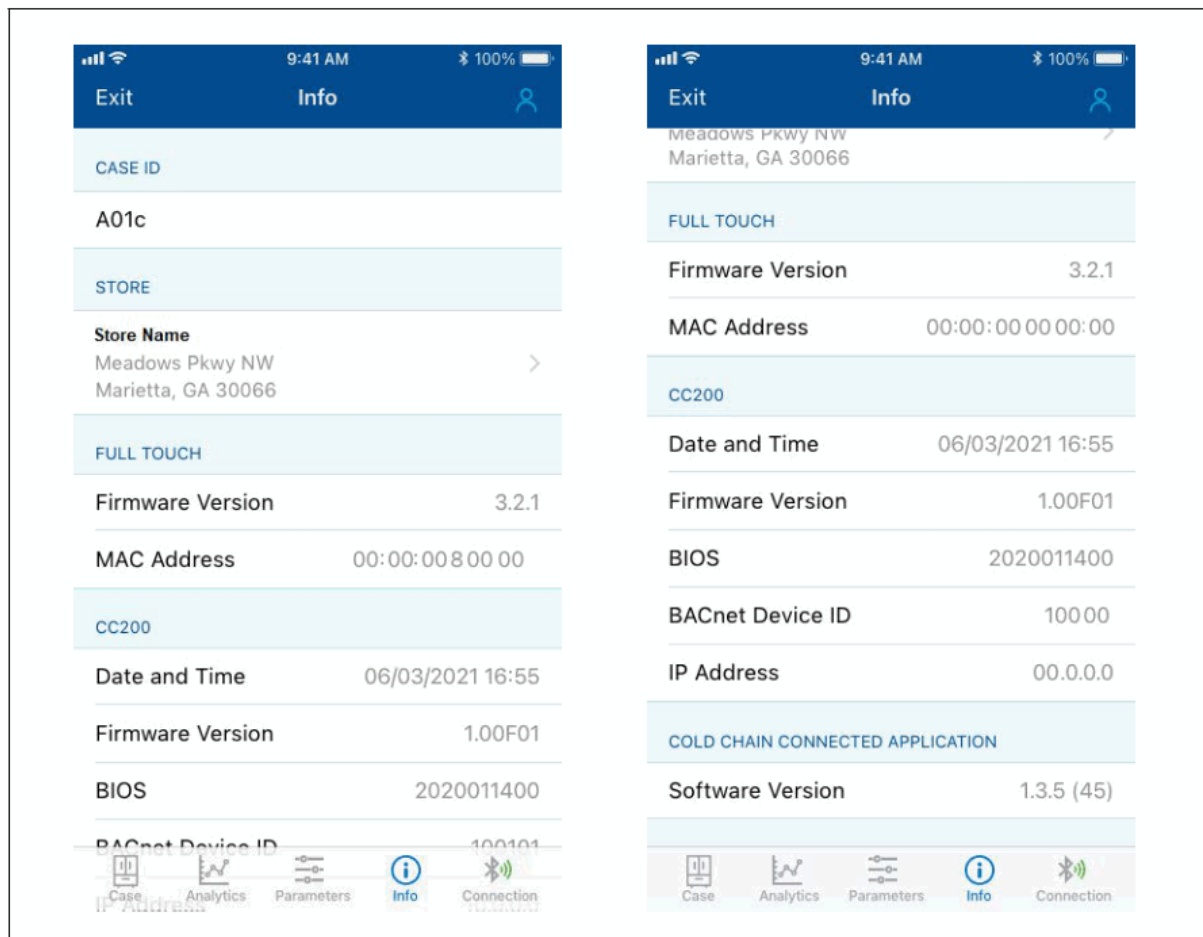


Figure 18 - Device Info

Disconnect from the Case

a. Select Connection  at the bottom of the application.

- You will see a pop-up asking you to Disconnect.
- Select Yes, Disconnect and you will be disconnected from the case:

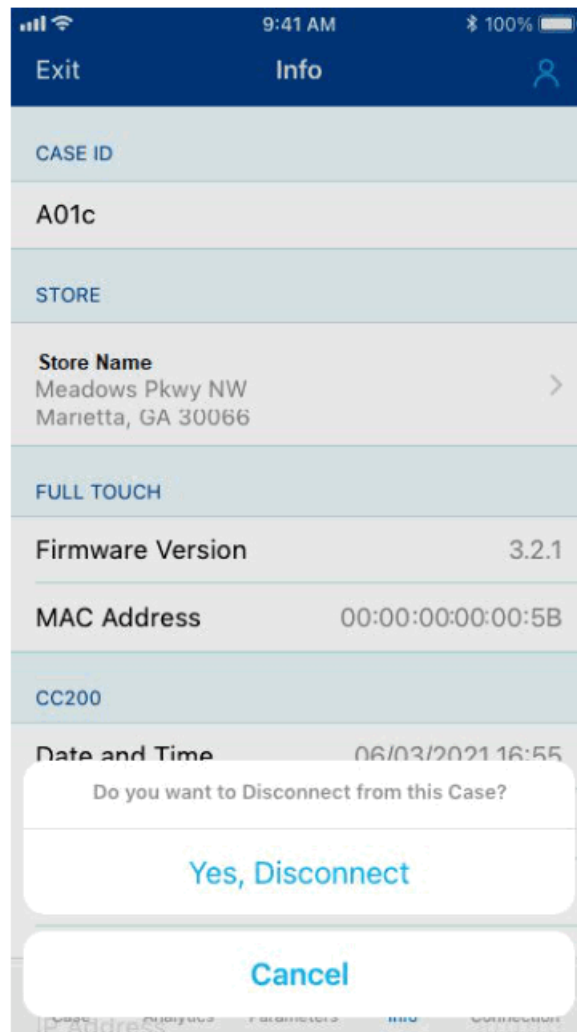


Figure 19 - Disconnect



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833-409-7505 or email ColdChain.TechnicalServices@Emerson.com

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References

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