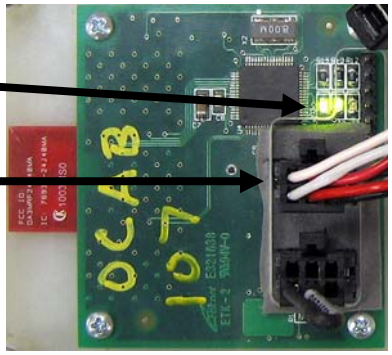
Zigbee Communication Radio Troubleshooting

Upon turning on the controller, it may take up to five minutes for the Zigbee radio to be recognized on the network.

With the controller OFF press the TEMP button on the fryer controller. The controller K/F3000 software version and network software version should be visible. If the network software is not displayed, the Zigbee radio board is not visible on the network.

- Check for two illuminated LED's(one steady and one blinking) on the back of the radio.
- If no LED's are illuminated, unplug and reseat the connectors to the radio and to the controller.
- If LED's do not illuminate replace the radio, harness or controller.
- If both LED's are illuminated continue.



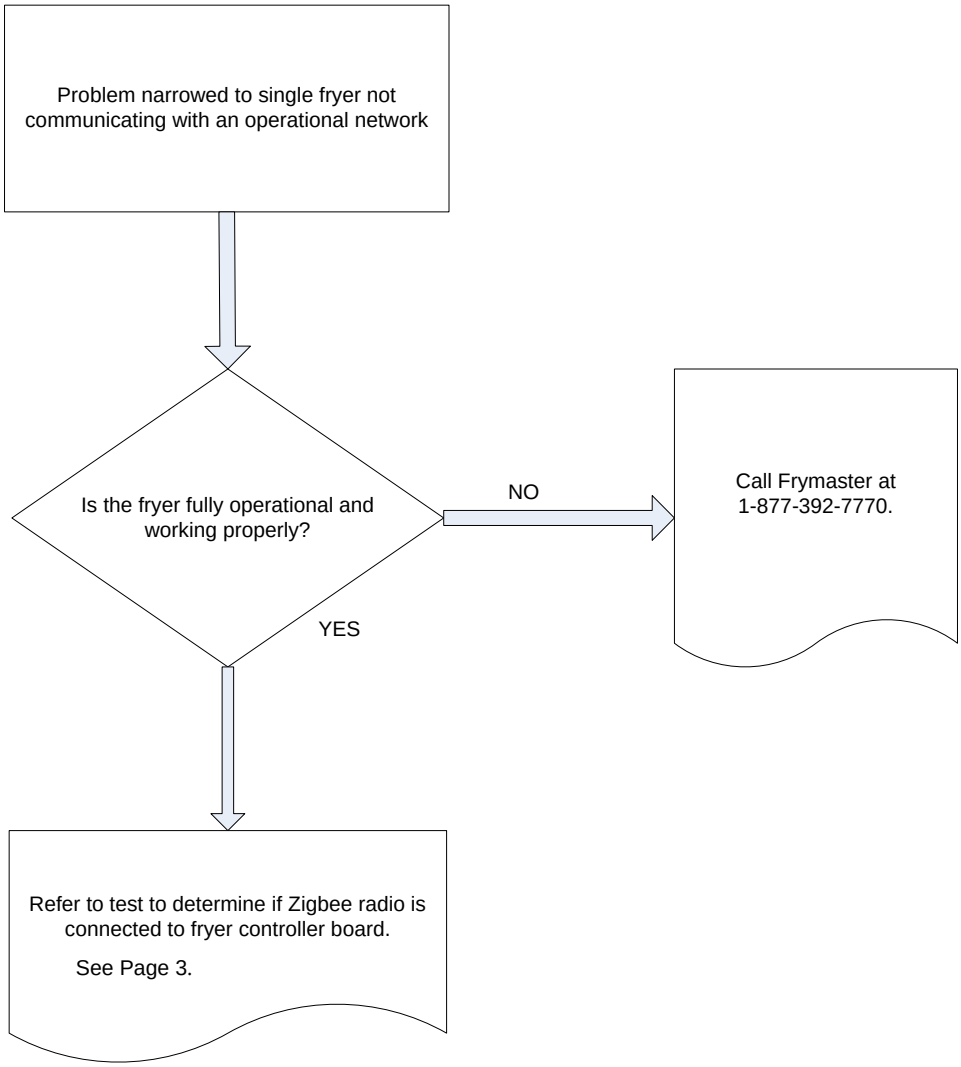
If the software version is visible, press the ✓ button. REC time is displayed followed by network connection status. If it is properly configured and communicating it displays NETWORK CONNECTED. If it displays NETWORK NOT CONNECTED, continue to configuring the radio.

Configuring the Radio

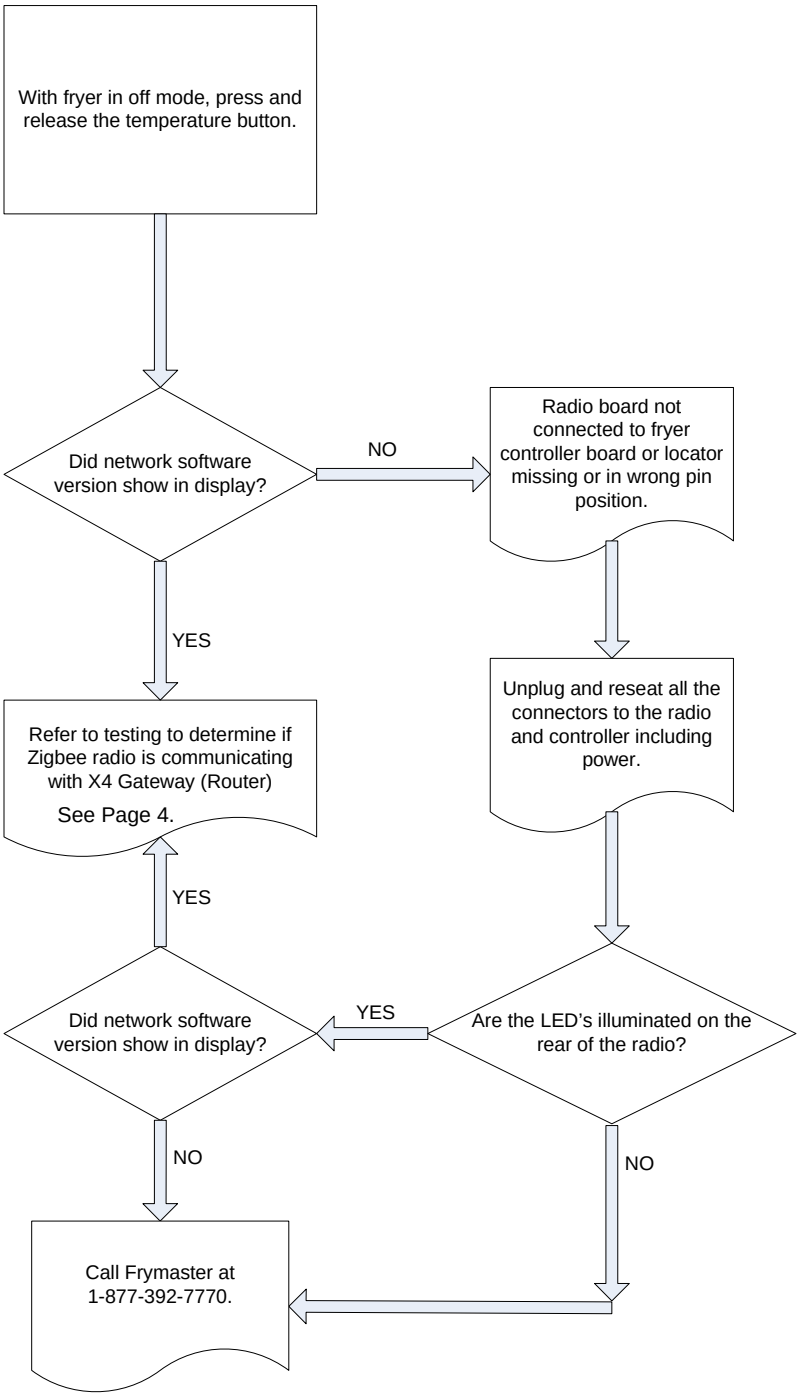
To perform a LEAVE command do the following:

1. Press and hold the SCAN button on the controller for approximately three seconds until it beeps and release.
2. N-STATS is displayed.
3. Press the right arrow five times until N-LEAVE is displayed.
4. Press the check button. N-LEAVE and COMPLETE are displayed.
5. Press the scan button to exit.
6. Ask the store manager or IT person to allow joining in the OP software.
7. After the joining procedure is performed, press the check (✓) button.
8. Controller should display NETWORK CONNECTED after REC time. If not call Frymaster at 1-877-392-7770.

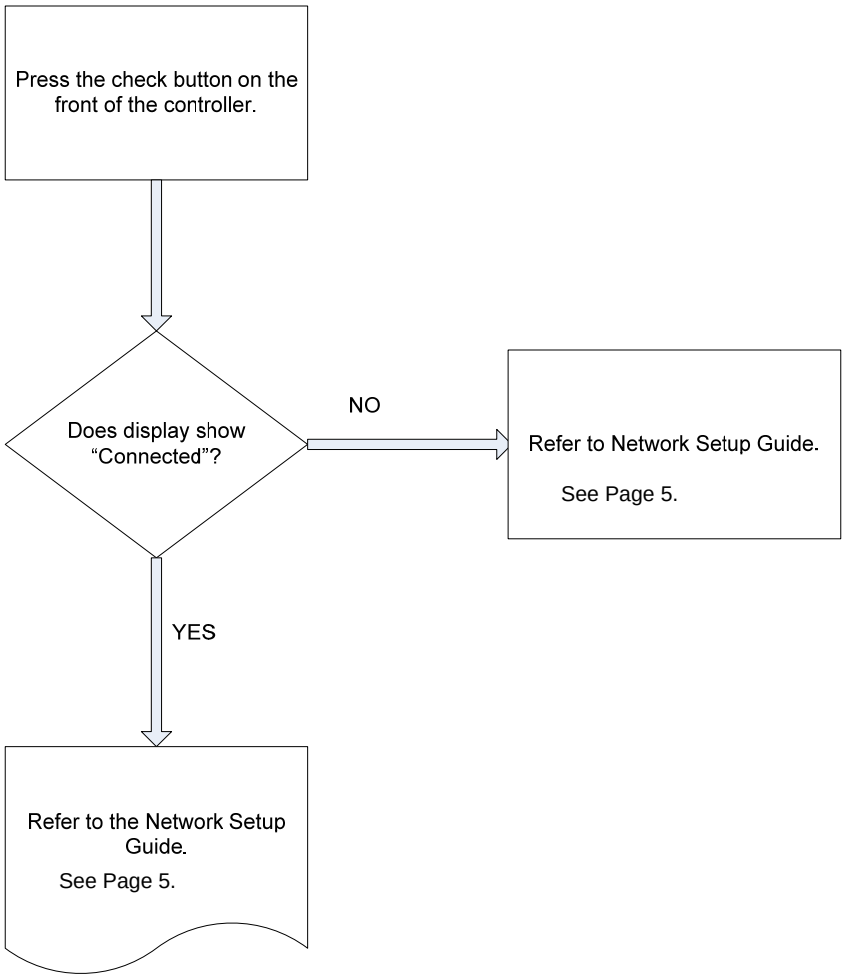
Frymaster Zigbee Communication Troubleshooting Guide



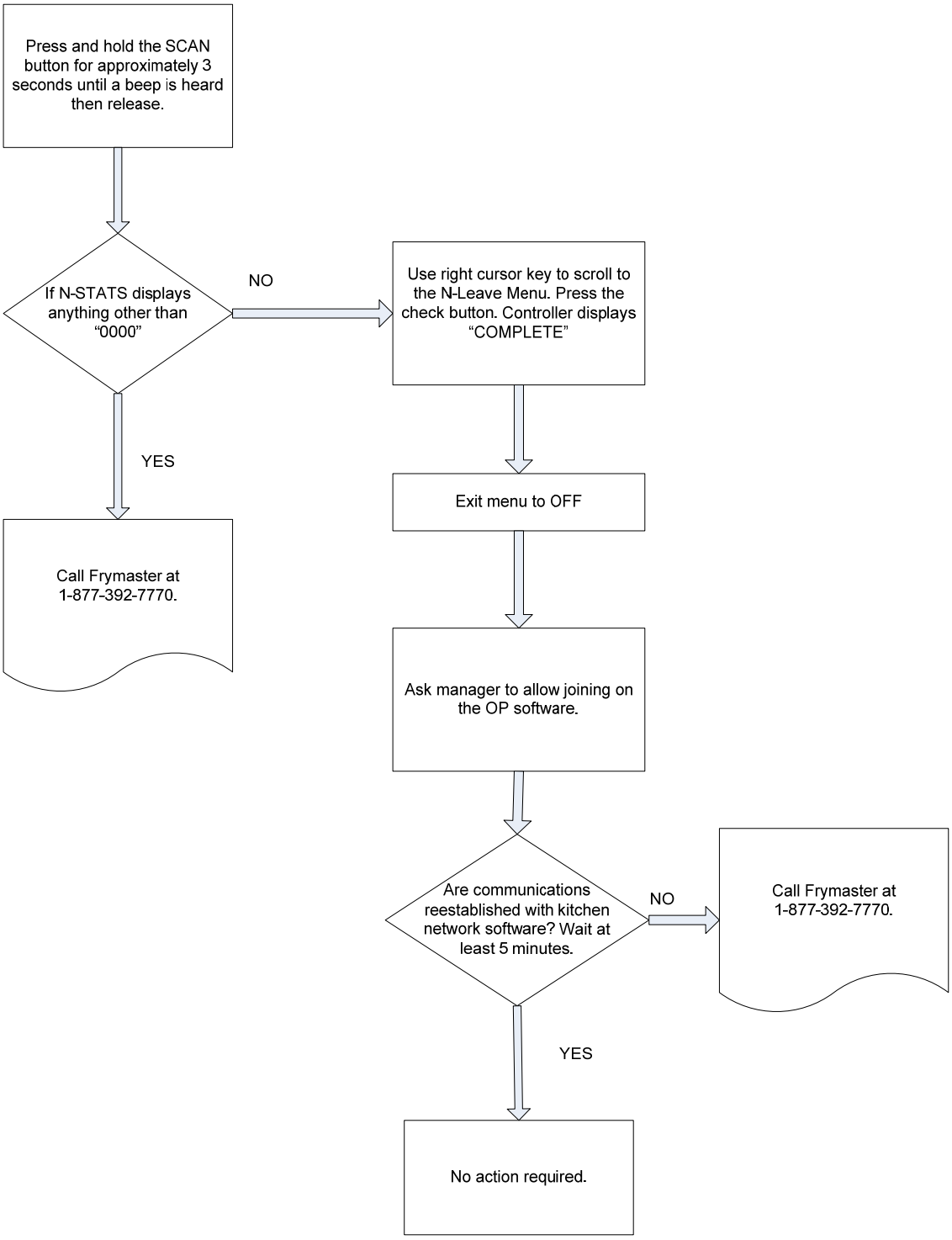
Test to Determine if Zigbee radio is connected to fryer controller board.



Test to determine if Zigbee Radio is communicating with X4 Gateway



Network Setup Guide



Ensure the connections to other controllers, locator plugs and drain/pressure switches are connected properly. See Figure 1 for single stand-alone fryers.

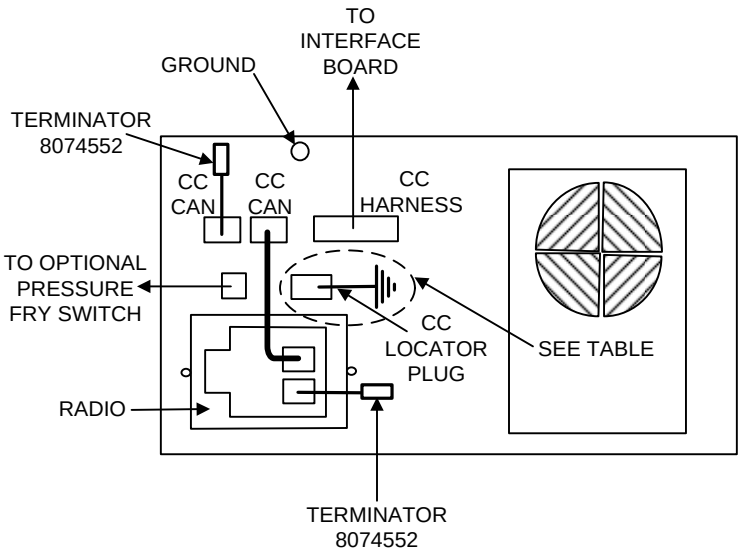


Figure 1: Single fryer controller wiring diagram.

1. Install a terminator in the two locations illustrated above. See Figure 1.
2. Attach the locator harness to connector CC locator on the controller. The locator needs to be in pin #1 for each controller. See Figure 2.
3. Attach and ground the other end of the locator to the stud on the controller shown below. See Figure 3.

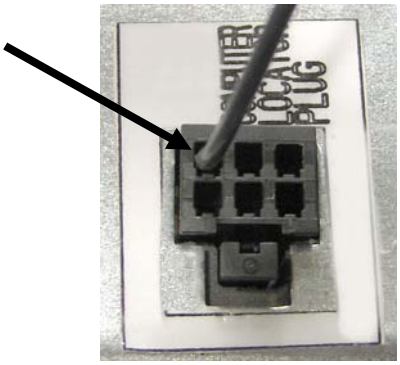


Figure 2: Locator position connector (Pin 1)

Ground for locator harness

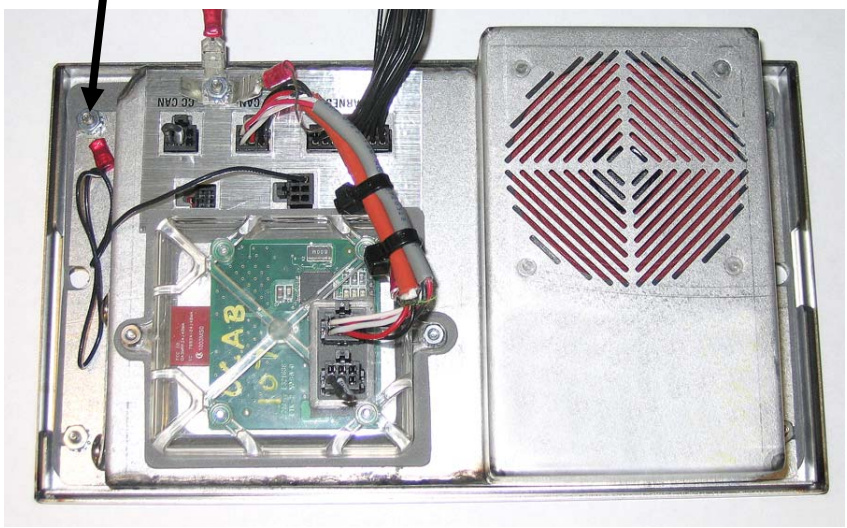


Figure 3: Single fryer controller with radio.