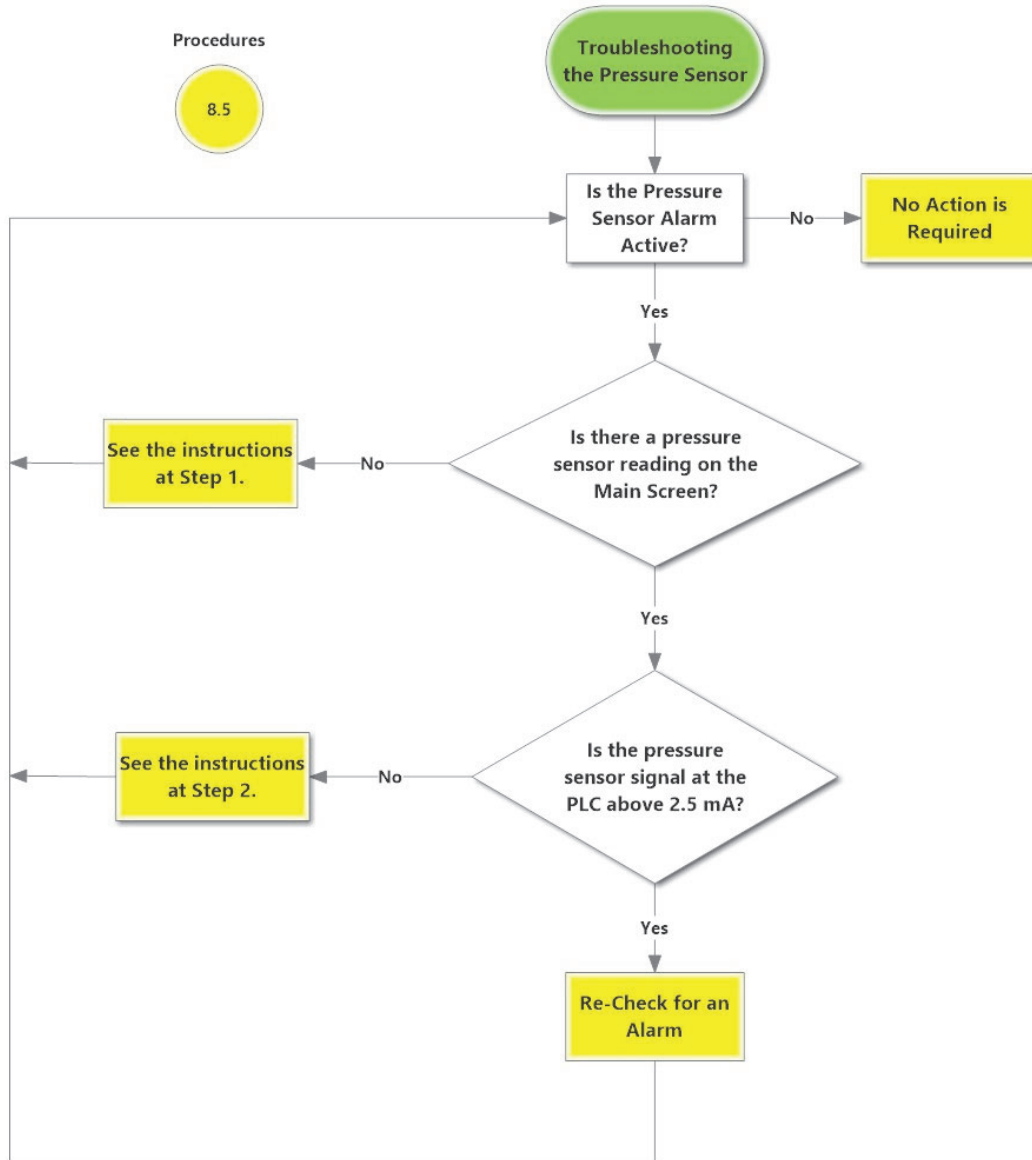




8.5 Pressure Sensor Alarm

- A Pressure Sensor Alarm will occur if the PLC is not receiving a 4-20 mA input from the Pressure Sensor, or the mA reading is less than 2.5 mA or if there is not 24 VDC power to the Pressure Sensor. **See Figure 8-11.**

Pressure Sensor Troubleshooting



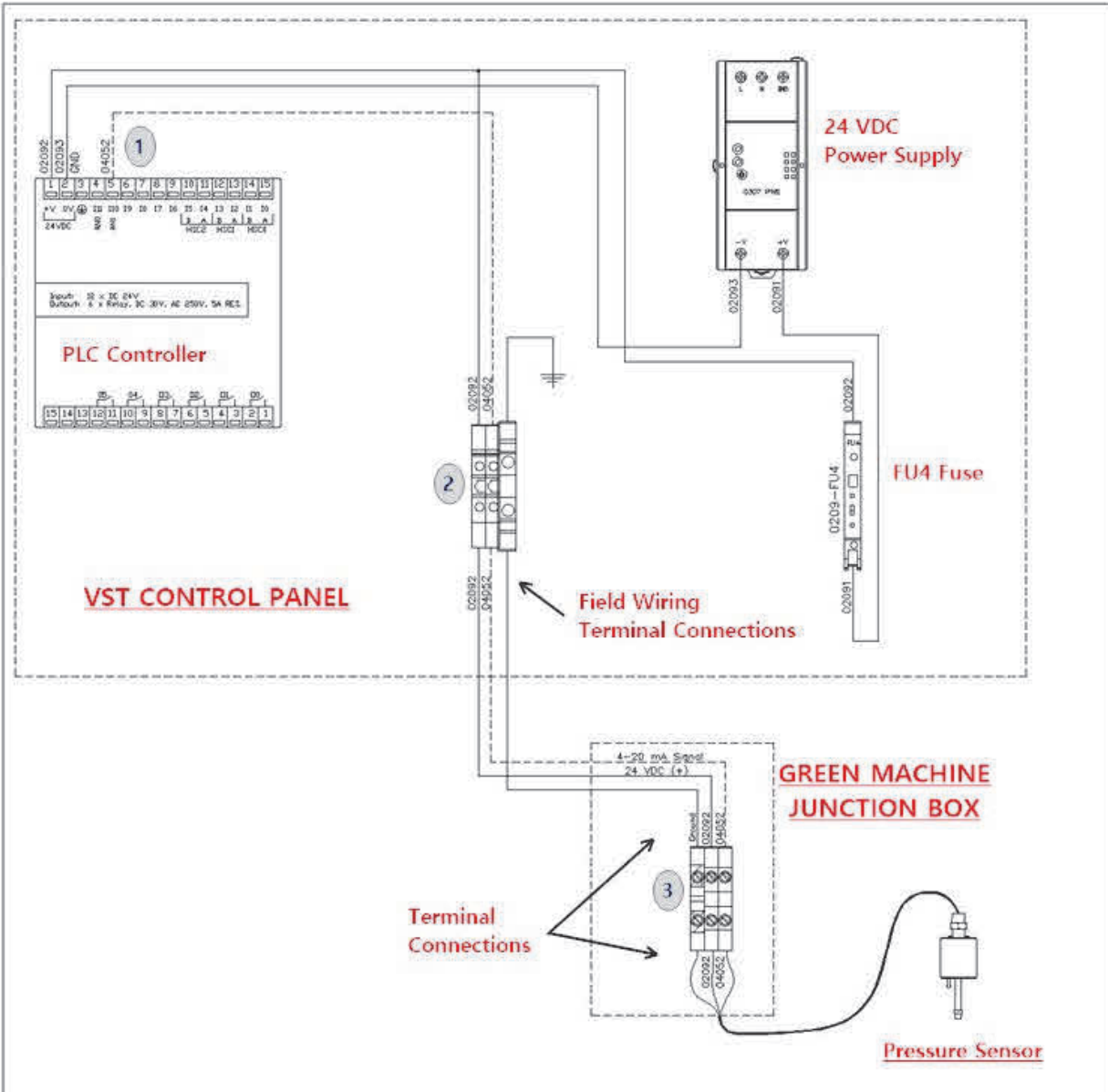
Pressure Sensor Troubleshooting, 3-5-2019

Figure 8-11: Pressure Sensor Alarm Troubleshooting Procedure



8.5.1 Pressure Sensor Alarm: Troubleshooting Steps

Steps	Procedures
	<ol style="list-style-type: none">1. Check that a Pressure Sensor reading is showing on the Main Screen.<ul style="list-style-type: none">• If a Pressure Sensor reading is showing on the Main Screen, go to Step 2.• If a Pressure Sensor reading is not showing:<ol style="list-style-type: none">a) There is no 24 VDC power to the Pressure Sensor circuit.b) There is no signal from the Pressure Sensor at the PLC.c) Check the Pressure Sensor power circuit as shown in Figure 8-12.d) Repair the Pressure Sensor power circuit as needed.e) If the power and signal circuits are OK, replace the Pressure Sensor.2. Verify the Pressure Sensor signal at the PLC is below 2.5 mA. See Figure 8-12.<ol style="list-style-type: none">a) Remove wire 04052 from the PLC, then using a multimeter, check the current between wire 04052 and AN1 on the PLC.b) If the signal is zero or below 2.5 mA, check to make sure the Pressure Sensor circuit wiring is correct and tight, then see Chapter 9: Replacement Procedure to replace the Pressure Sensor. <ul style="list-style-type: none">• If the Pressure Sensor Alarm is still active after repairing Items 1-2, call a VST Service Technician.



Pressure Sensor Wiring Diagram, 3-5-2019

Figure 8-12: Pressure Sensor Wiring Diagram (24VDC Power and 4-20 mA Signal)