

8.3 Troubleshooting Procedures

- Each of the following Troubleshooting Procedures is preceded by a Decision Tree.
 - The tree itself is a high-level overview of the required steps.
 - Each step is explained in greater detail immediately following the Decision Tree.
- If there are any questions or concerns while performing these Troubleshooting Procedures, contact VST at 937-704-9333.

8.4 Power to the VST Control Panel or PLC Controller is OFF

8.4.1 Control Panel General Information

- The VST Control Panels are pre-wired and tested prior to leaving the factory.
- Check all wiring connections to make sure they are properly connected.
 - **Figure 8-4:** Panel is powered from the ESO circuit directly, and wires are run from the Safety Switch IN and Safety Switch OUT terminals to a Safety Disconnect Switch near the GREEN MACHINE.
- The VST Control Panel is MET Listed to comply with UL Standard 508A, and CSA C22.2 No.14.
- If an electrical component has malfunctioned inside the VST Control Panel, all the electrical components **MUST BE** ordered from the Replacement Parts List (Chapter 9) in this manual.

8.4.2 Panel Power Alarm: Troubleshooting Steps

Steps	Procedures
<ol style="list-style-type: none"><li data-bbox="355 388 1219 415">1. Check that the breaker is ON at the main electrical distribution panel<li data-bbox="355 432 1122 459">2. Check that the station Emergency Shutoff (ESO) is not active<li data-bbox="355 476 1411 504">3. Check that the Safety Disconnect Switch is powered ON at the GREEN MACHINE area<li data-bbox="355 520 1333 548">4. If all the above steps are true and the panel still does not have power, call VST	

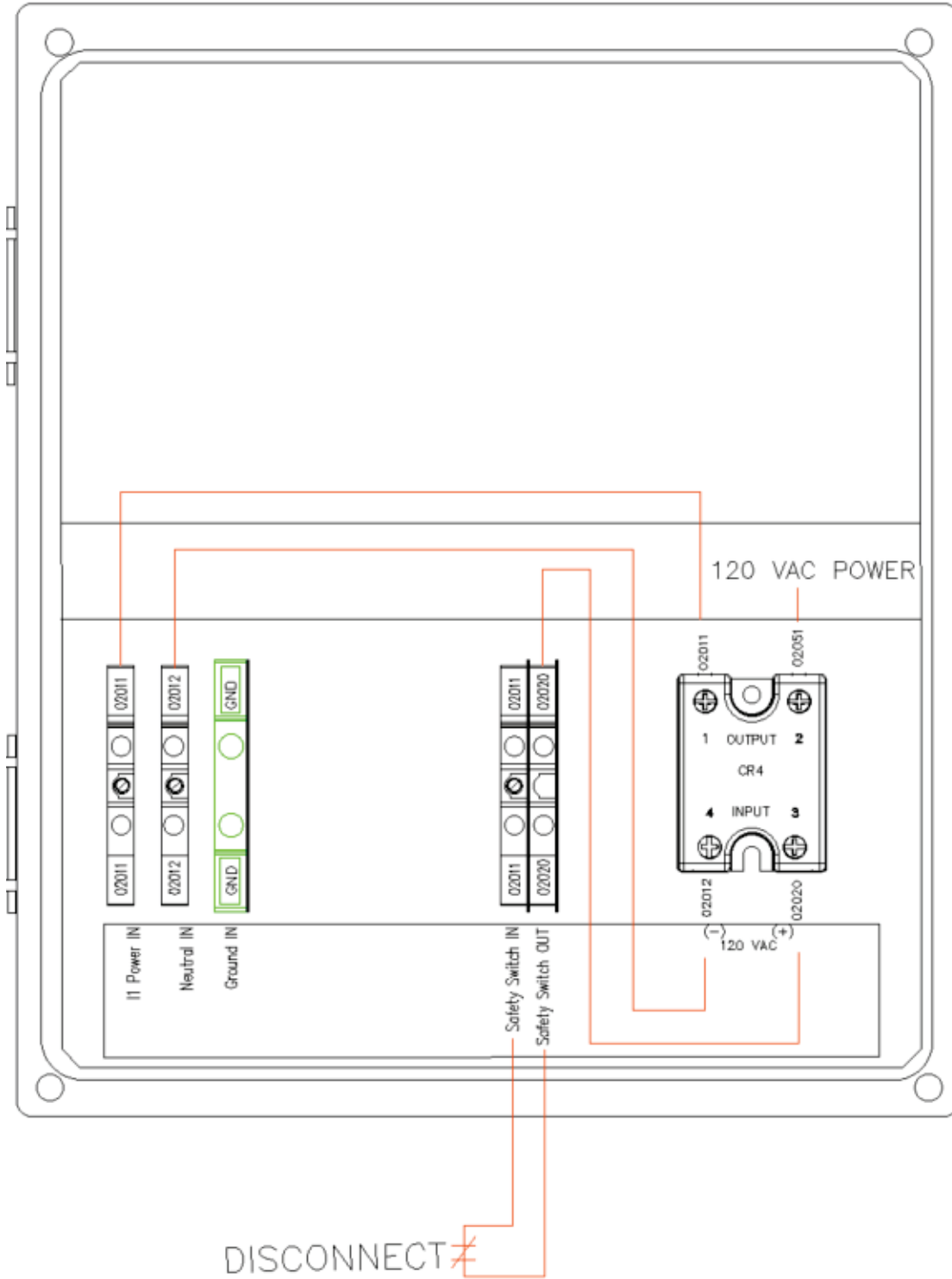


Figure 8-4: VST Control Panel 120 VAC Power Circuit Diagram