



ELECTRICAL TROUBLESHOOTING GUIDE

Installation Tip

- Keep the high voltage 120/240 V power wires away from the low voltage pulsar signal wires. **Failure to do so may result in erroneous fuel flow readings.**

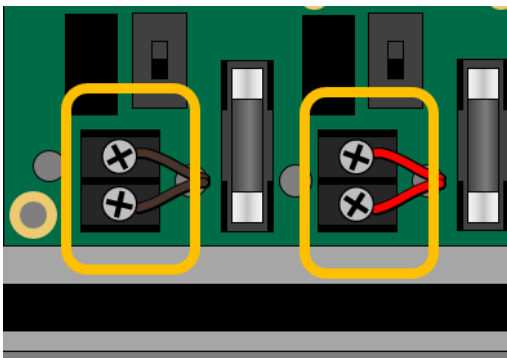
Troubleshooting

No power to fuel pumps after unlocking with PIN

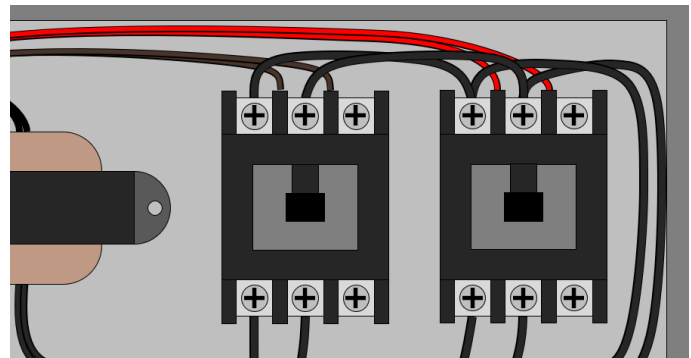
- Flip the bypass switch into the "BYPASS" state and check if the contactor energizes.
 - If the contactor does not engage, check the fuses on the circuit board.
 - Check that 24 VAC is present at the contactor coil terminals.
 - Check that 120/240V power is present at the supply and load terminals of the contactor.

Inconsistent Contactor Connection

- Check that the relays at the bottom of the circuit board (next to the bypass switches) are not loose or dislodged.
- Ensure the brown and red contactor wires are securely connected to the terminals at the bottom of the circuit board and to the coil terminals on the backs of the contactors. You may need to remove the contactors from the backplate to gain access to the coil terminals. **Ensure power is off before removing or working near the contactors.**



Red/brown wire connections to circuit board screw terminals



Red/brown wire connections to contactor coil terminals

Blank Screen

- If the LED Indicator Light to the left of the screen is lit, check that the electrical connections to the screen are secure and try restarting the device.



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- Check that the system status light on the circuit board is blinking indicating the device is powered and operating.
 - If the system status light is not blinking, check that there is power to the 24VAC input terminals of the circuit board and that none of the fuses on the circuit board are blown.
 - Check that the circuit breaker powering the unit has not tripped and that 120/240V is present at the device. Check the fuse in the holder next to the 120/240V connections.
 - A spare fuse for 120V power is provided in the fuse holder.

Unresponsive Screen

- Check that the electrical connections to the screen and keypad are secure. Try restarting the device by interrupting power at the circuit breaker. In extreme cold conditions, the screen may be slow to respond.