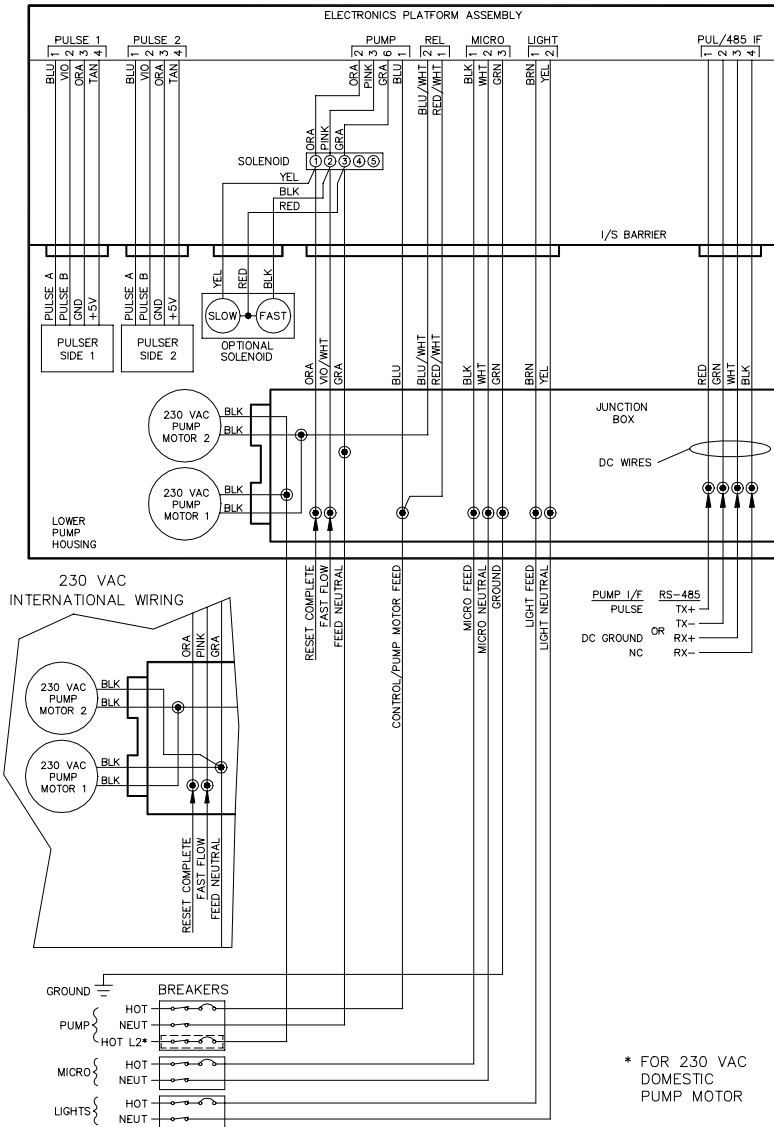


## 024253 WIRING DIAGRAM

Models 9853QHC  
9840Q

### NOTES:

1. All wiring and conduit runs must conform with all building/fire codes, all Federal, State, and Local codes, National Electrical Code, (NFPA 70), NFPA 30, and Automotive and Marine Service Station Code (NFPA 30A) codes and regulations. Canadian users must also comply with the Canadian Electrical Code.
2. Pump motors must be wired as 230 VAC to reduce current draw (requires 230 VAC breaker for control). If connected to equipment requiring control of the authorization input, the Phase 2 Feed should be switched through a separate relay to prevent false triggering of the authorization signal.
3. **To avoid damage to the CPU PC board, all unused wires must be individually capped, and before applying power, you must verify that the RESET COMPLETE and FAST FLOW wires are not shorted to conduit or chassis.**
4. **RESET COMPLETE (switch detect) line can supply 170 mA AC maximum for connecting to fuel management system circuitry.**
5. **FAST FLOW line can supply 170 mA AC maximum for remote control or monitoring of the fast flow valve found in the pump.**
6. If the **CONTROL/PUMP MOTOR FEED** line is controlled by a fuel management system using solid state relays, a resistor assembly must be installed between the Control Feed line and Feed Neutral to prevent false triggering of the authorization input. The resistor assembly is 8.2K OHM, 10 Watt (P/N C05818) for 115/230 VAC domestic and 30K OHM, 10 Watt (P/N C06683) for 230 VAC international wiring.
7. If this unit is equipped for 230 VAC operation (international) wire as shown in the standard 115 VAC wiring diagram. In this case, the white (WHT) motor wires should be connected to the 230 VAC return wire (Feed Neutral). See breakaway version for international.
8. Use the wire size chart listed on page 4-3 when determining the wire size for the control wiring.
9. Models 9853QHC and 9840Q should not be used with aboveground tanks.
10. If this unit is equipped with a TopKAT option, there will be 6 wires in the DC junction box. See Section 8 of this manual for wiring requirements and information.



**WARNING:**  
 Failure to follow the correct wiring diagram and all the listed notes and precautions may result in damage to the CPU PCB.