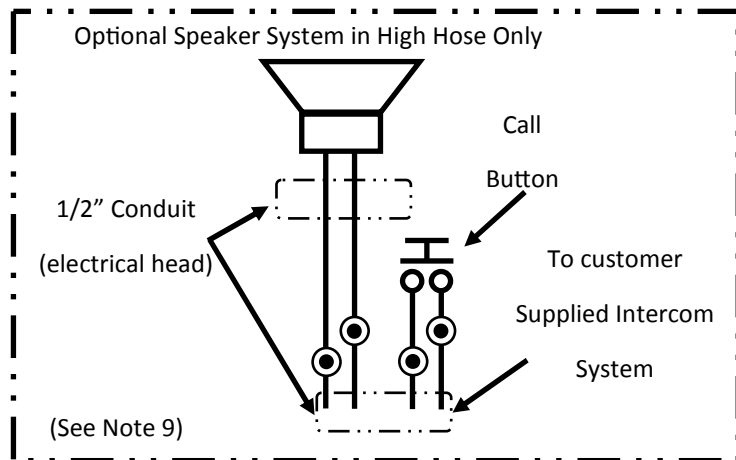



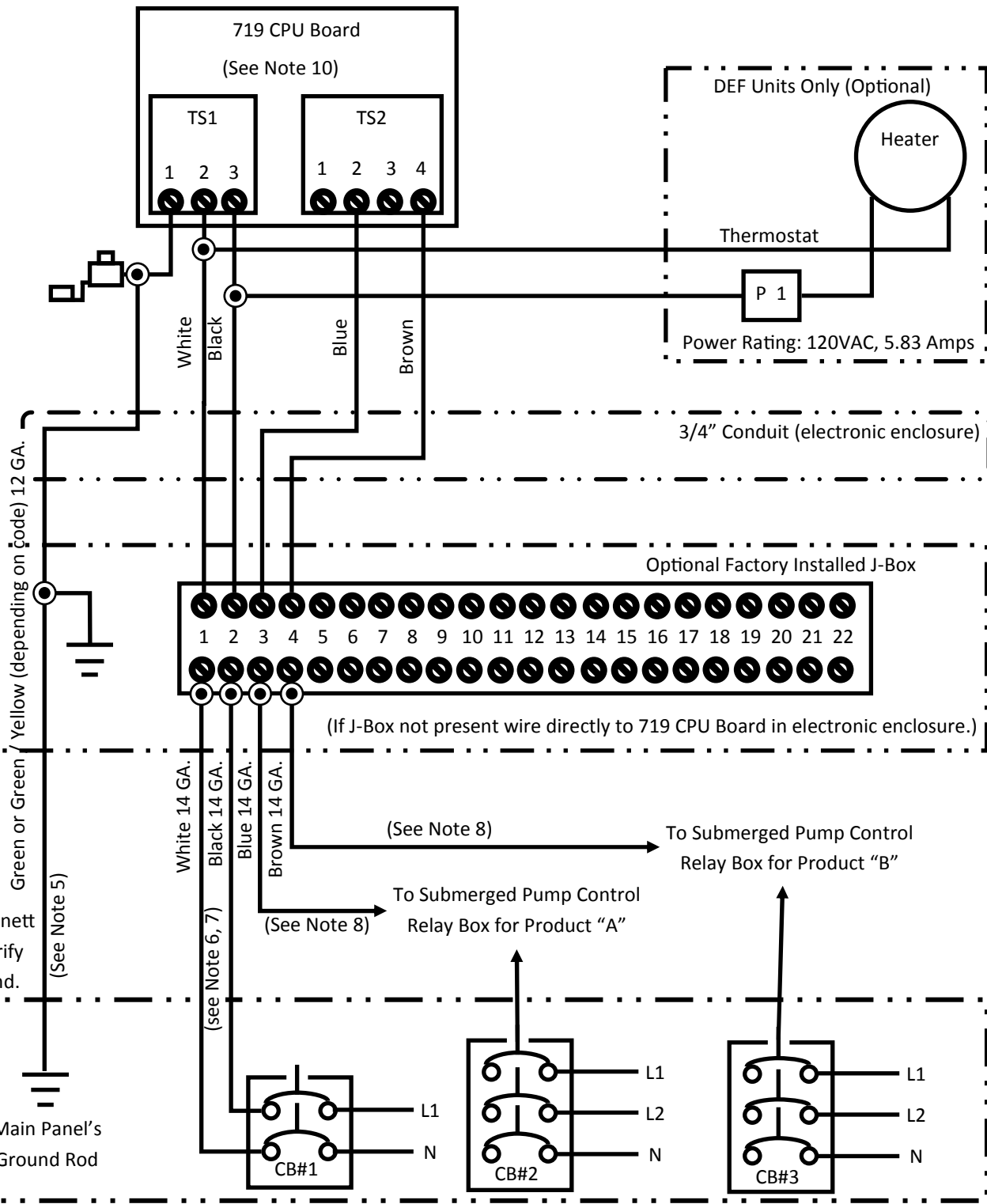
**Wiring Diagram: AC Power and Motor Connections for Remote 3000 Electronic, Truck and 700,800,900 (DEF) Dispensers.**

ELECTRICAL RATINGS	
Electronic Power (Idle).....	60VA, 120VAC/240VAC
Electronic Power (Flow).....	124VA, 120VAC/240VAC
Main Control Valve.....	20VA, 24VDC
Motor Relays.....	1 H.P., 120VAC/240VAC
Pump Handle Switch.....	Intrinsically Safe



**Notes For Remote Power and Motor Wiring Diagram:**

1. Field connection =  (Used only with optional J-Box)
2. All wiring must be installed and used in accordance with the national electrical code (NFPA #70, Automotive and marine service code NFPA #30A), State and Local electrical codes.
3. All wiring gauge is minimum required, stranded wire with THHN Insulation must be used. Do NOT reuse old wire from an existing installation.
4. Use only rigid metal conduit. Do not use PVC conduit.
5. Pull a continuous (one piece) green, 12 gauge, stranded, THHN, ground wire through the junction box and 3/4" conduit and secure at ground lug near the terminal strip in the dispenser's Junction Box. Terminate the other end at the main panel breaker box ground bar. Do not terminate at the neutral bar of a sub-panel or rely on metal conduit for this ground connection. Each dispenser's grounding post must be within 1 ohm resistance to earth ground potential. You must verify to within 1 ohm of the ground rod. Do not use wire nuts on ground circuits, use only compression type connectors. This is required to initiate Bennett's Limited Warranty.



6. Electronic power for all dispensers at the installation must be wired to the same AC line phase or damage will result to the dispensers. This will avoid a cross phase condition on the remote relay control wires.
  - Breaker Identification:
    - CB#1 Electronic Power—Hot for electronic power is 120 VAC or 240VAC (Single Phase).
    - CB#2 Pump Motor Product A.
    - CB#3 Pump Motor Product B.
7. Use 15 Amp neutral breaking circuit breaker which is supplied by the customer. No more than 2 dispensers per breaker.
8. The Submerged Pump relay control signals are rated at 30 watts, 120VAC or 240 VAC maximum. This signal must be wired to an external Submerged Pump relay (with all coil control wires for this relay on the same AC phase) for controlling the submerged pump motors. Use Red Jacket or FE Petrol control box or equivalent.
9. If optional speaker is utilized, speaker/intercom wire must be run in a separate conduit to avoid electrical interference with the intercom system.
10. Make sure that a blue jumper is placed between P1 to P3 and a brown jumper is placed between P2 to P4 on the CPU Board.

Required to initiate Bennett Limited Warranty. Verify within 1 ohm to ground. (See Note 5)

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