

WIRING – FACTORY and INSTALLATION

Models R13X & R25X Retail Series
 Models C13X & C25X Commercial Series
 Single and Two Product Twin
 Self Contained Dispenser, Stand Alone or with Console Interface
 with 3 Phase Motors
 Refer to Owners Manual for Optional Interface Methods

NOTES:

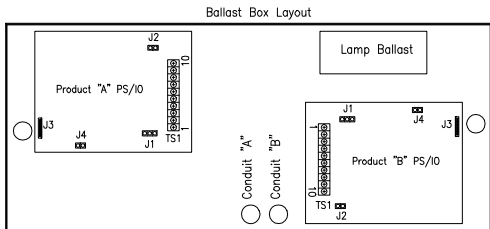
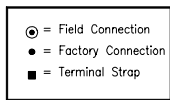
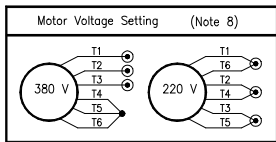
- All wiring must be installed in accordance with National Electrical Code (NFPA #70), automotive and marine service station code (NFPA #30A), and all state and local codes.
- Pull a green 12 AWG or larger ground wire and secure to the ground screw in the dispenser junction box. Do not rely on metal conduit as ground. Each dispenser junction box and interconnection box chassis must be within 1 ohm of earth ground.
- All specified wiring gauge is minimum. Use only stranded wire with THHN insulation. Do not reuse old wire.
- Do not use PVC conduit. Use only rigid metal conduit.
- Dispenser power (CB-1) must be a dedicated circuit. A maximum of two (2) dispensers may be placed on one (1) dispenser power circuit breaker. If more than one (1) dispenser power circuit breaker is used, all dispenser power circuit breakers must be installed on the same AC line phase.
- Circuit breakers are supplied by the customer.

Circuit Breaker Identification	
CB-1	Dispenser Power *
CB-2	Lamp Power **
CB-3	Motor Power ***
CB-4	Motor Power ***

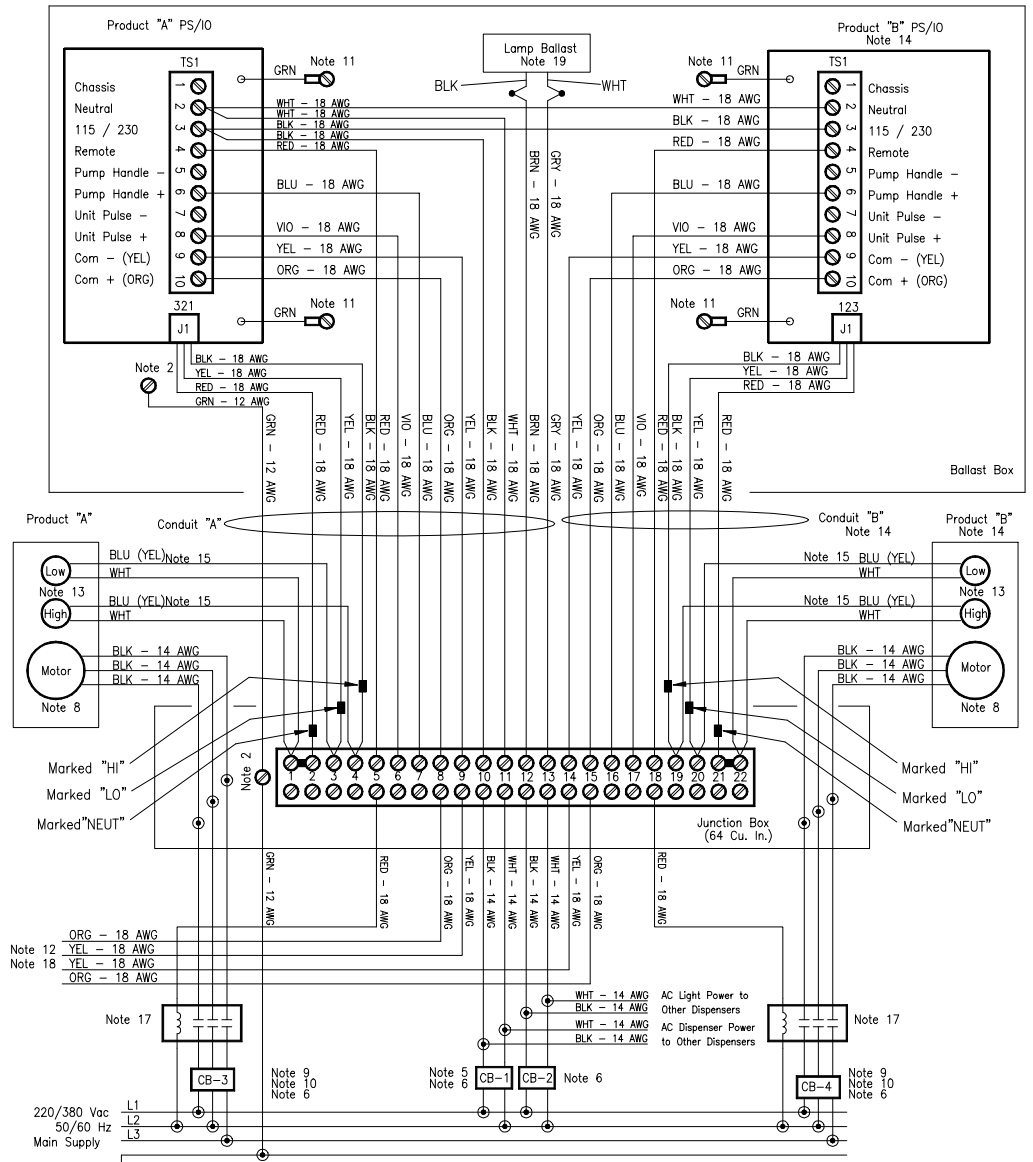
* No more than two (2) dispensers per circuit breaker.
 ** No more than five (5) dispensers per circuit breaker.
 *** No more than one (1) pump motor per circuit breaker.
 All circuit breakers shown are neutral breaking type.
- Dispenser is factory wired for 115 Vac or 230 Vac operation. This may not be changed in the field.
- Motors are dual voltage (220/380 Vac). See motor wire diagrams below for desired motor voltage setting.
- One (1) motor circuit breaker (CB-3, CB-4) per dispenser.
- N/A
- Two (2) Green (GRN) pigtail ground wires on each Power Supply / IO circuit board must be bonded to the ballast box chassis ground via the studs provided.
- These wires are used to connect the dispenser to a remote Bennett console or control device. Refer to console installation instructions for appropriate wiring methods.
- Valves are not present on models

R13X-XXXXXX-	Y
R25X-XXXXXX-	Y
C13X-XXXXXX-	Y
C25X-XXXXXX-	Y

X = Any valid option code
- Product "B" components are not present on models R13X- & C13X-.
- BLU wire color for 115 Vac valves. YEL wire color for 230 Vac valves.
- N/A
- 3 phase contactor, 1HP minimum rating, customer supplied.
- If an intercom system is used, DO NOT run the intercom and pump wires in the same conduit. Otherwise, electrical interference may occur with the intercom system or pump data communications.
- Refer to lamp ballast label for ballast/lamp wiring instructions.



Electrical Ratings	
Dispenser Power	120 Watts 115 / 230 Vac
Lamp Power	90 Watts 115 / 230 Vac
Main Control Valves	15 Watts 115 / 230 Vac
Remote Output	240 Vac, 30 VA max.
Motor	3/4 H.P. 220 / 380 Vac
Encoder	30 mA, 5 Vdc Intrinsically Safe
Customer Pump Switch	Magnetic Reed Switch Intrinsically Safe



WIRING DIAGRAM – GO PUMP SELF CONTAINED – 3 PHASE MOTORS