

# **ESDI Model 110100 Water Vend Control Board**

## **Modes of Operation**

(Revised 1/28/2011)

### **1. Water Vending Machine – The Basic Machine:**

1. Customer deposits money.
2. Customer presses Selection Switch, selecting water volume and price.
3. Money balance is shown on display.
4. The “Start Vend” switch will illuminate. (If used)
5. Customer presses the “Start Vend” switch. Without this switch, vending will begin upon selection.
6. The “Start Vend” switch illumination will turn off. (If used)
7. The Vend Valve & Pump will turn on and run until the proper amount of water has vended.
8. If there is still a money balance, an additional selection can be made, or the coin return button can return the balance in coins.

### **2. Water Vending Machine – With Rinse Feature:**

1. Customer deposits money.
2. Customer presses Selection Switch, selecting water volume and price.
3. Money balance is shown on display.
4. “Rinse” switch and “Vend” switch will illuminate.
5. Customer presses one of these switches. “Rinse if he wants to rinse out his bottle, or “Vend” if he does not want a rinse and wants to proceed with the vend.
6. If Rinse is selected, the Rinse Valve & Pump will turn on a short time and then stop.
7. Customer swirls water around bottle and pours out into the drain. Or, a separate rinse nozzle placed at the bottom will allow water to shoot up and automatically drain when the bottle is placed upside down in the vend area.
8. Customer returns bottle to the vend station and presses the “Vend” switch.
9. The “Rinse” and “Vend” switch illumination will turn off.
10. The Vend Valve & Pump will turn on until the proper amount of water has vended.
11. If there is still a money balance, an additional selection can be made, or the coin return button can return the balance in coins.

### **3. Water Vending Machine – With Start/Pause Feature:**

1. Customer deposits money.
2. Customer presses Selection Switch, selecting water volume and price.
3. Money balance is shown on display.
4. The “Start/Pause” switch will illuminate.
5. Customer presses the “Start/Pause” switch.
6. The “Start/Pause” switch illumination will turn off.
7. The Vend Valve & Pump will turn on and run until the proper amount of water has vended.
8. If during the vend cycle the customer presses the “Start/Pause” switch, the Vend Valve & Pump will turn off and remain off for one minute before resetting.
9. The “Start/Pause” switch will again illuminate.
10. If during one minute pause the customer presses the “Start/Pause” switch, the Vend Valve & Pump will turn on and run until the proper amount of water has vended.
11. The “Start/Pause” switch illumination will turn off.
12. This can be repeated multiple times until the proper amount of water has vended.
13. If there is still a money balance, an additional selection can be made, or the coin return button can return the balance in coins.

### **4. Water Vending Machine – With Door Feature:**

1. The nozzle door will open two (2) seconds before the pump starts, and will close one (1) second after the pump stops. Door switch input, used to report door is open and it is safe to vend.