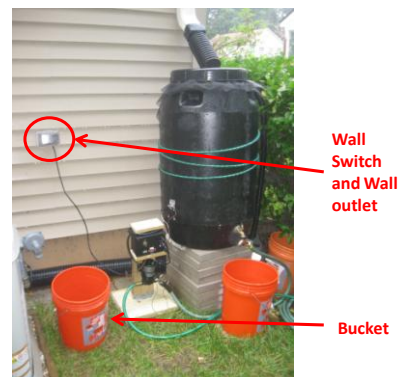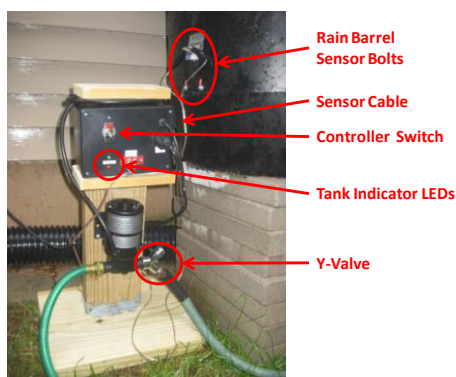# Turning the pump on

1. Take the bucket off of the controller

2. Ensure wall switch is off; Ensure Controller switch is off

3. Ensure Controller plugged into wall outlet and pump plugged into Controller

4. Ensure hose is connected from rain barrel to inlet of pump (has Y-valve)

5. Ensure the watering hose is connected to the outlet of pump.

6. Ensure no kinks in any hose; ensure water can flow freely when pump is turned on.

7. Ensure alligator clips of the sensor cable are connected to the rain barrel sensor bolts

8. Open non-connected Y-valve on inlet of pump. Pour several tablespoons of vegetable oil into the inlet. Close the Y-valve. (A Y-valve is open when the handle is in line with the flow of the water and is closed when the handle is perpendicular with the flow the water)

9. Ensure all the valves from the barrel to the pump are open to enable water to flow from the barrel to the pump. (brass valve on rain barrel, Y-valve on barrel, and Y-valve on pump inlet)

10. Turn the wall switch on.   The green LED indicator for the Tank Indicator should be on. The red LED should be off. If the red LED is on, then the system is sensing that the tank is empty. Check to ensure the alligator clips of the sensor cable are firmly on the rain barrel sensor bolts.

11. Turn the controller switch on. The green LED above the switch should be on and the pump should be on.

12. Water

13. When the barrel is low, the pump should turn off and the red LED should light. If water pressure drops to zero and the pump is on, immediately check for kinks in the hose and fix them. If there aren't any kinks but water still is not flowing, turn the pump off using both the wall switch and the controller switch.

Turning the pump off

1. Ensure controller switch is off

2. Ensure wall switch is off

3. Close the rain barrel valves

4. (Unplug the controller from the wall outlet) (Optional)

5. (Disconnect the alligator clips from the rain barrel and stow cable with pump) (Optional)

6. (Disconnect hoses as needed) (Optional)

7. Cover the controller with the bucket.

8. Stow the watering hose