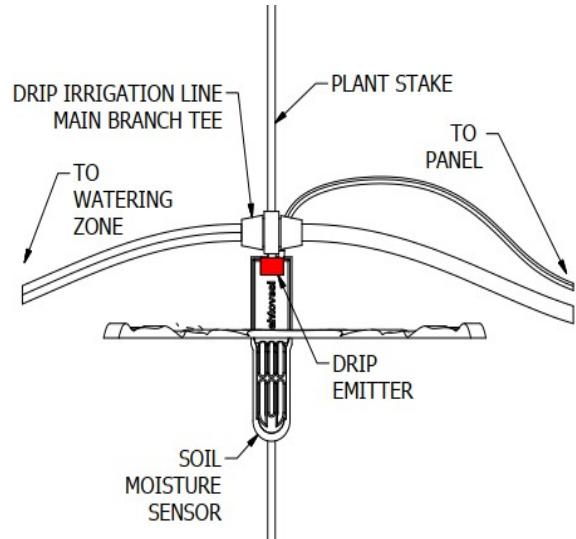




AquaSense 12 Garden Automatic Drip Irrigation System

Installation in 6 Easy Steps

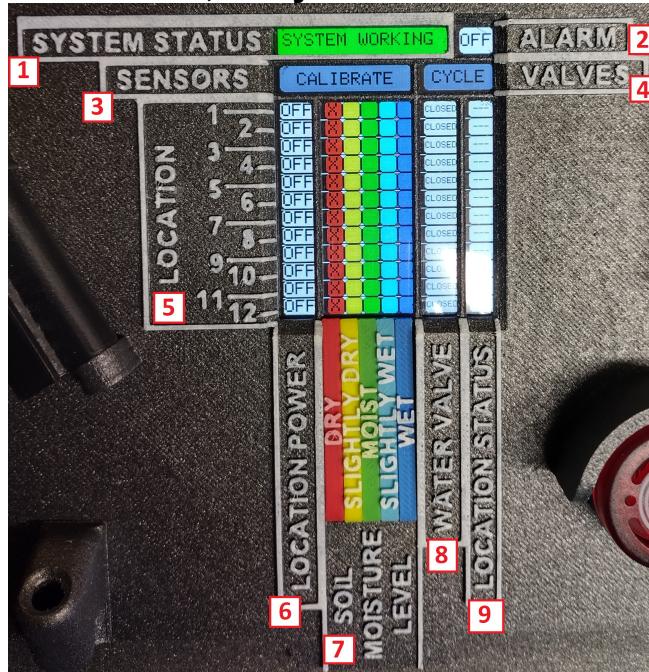
- 1. Mount the control panel** to a wall. Use the provided 10 ft power cable to connect the control panel to a standard 120V wall outlet.
- 2. Mount the valve panel** to a wall. Attach the water pressure regulator to the valve panel water inlet. The regulator should initially be set to a pressure setting of 25-30 psi. Use a standard $\frac{3}{4}$ " garden hose to connect the pressure regulator to a pressurized water supply (a garden hose is not included in the package). The valve panel needs to be located near the watering zones.
- 3. Connect the valve panel to the control panel** using the provided 20 ft cable.
- 4. Install the soil moisture sensor devices** by first attaching them to the valve panel. Then place the soil moisture sensors in the soil at the head of each garden row or in easily accessible areas of the garden plots. Insert the plant stake through the hole in the back of the sensor, and attach a drip irrigation tubing holder to the plant stake. Install one of the drip emitters near the sensor. It is necessary to install an emitter near the sensor in order for the system to obtain a representative soil moisture level of the watering zone.
- 5. Install the drip irrigation lines** in each of the watering zones. Refer to the "Drip Irrigation Installation Guide" for more details.
- 6. Startup and configure the system** by first turning on the power to the system by using the switch on the side of the control panel. The LCD screen on the control panel will display the configuration menu after a few moments. Make sure all locations indicate "ON" in the location power column, then press the CYCLE valves button on the control panel to cycle all sensors and valves to ensure proper functioning. Fully saturate each watering zone with water. This will allow the moisture sensors to adjust to the particular soil being used. Finally, set the soil moisture level for the plants in each watering zone by pressing the buttons in the columns for either dry, slightly dry, moist, slightly wet, or wet.





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Intuitive, Easy to Use Interface



- 1. System Status** - Provides general feedback to the user of the status of the system.
- 2. Alarm** - The alarm button can be used to activate or deactivate the alarm on the control panel.
- 3. Calibrate Sensors** - Pressing the “CALIBRATE” button will display buttons for calibrating the sensors.
- 4. Cycle Valves** - Pressing the “CYCLE” button will sequentially open valves to every watering zone.
- 5. Location** - Each row corresponds to a watering zone.
- 6. Location Power** - This displays whether a watering zone is active “ON” or inactive “OFF”.
- 7. Soil Moisture Level** - These columns display which soil moisture level is chosen for a watering zone with an “X”.
- 8. Water Valve** - Pressing buttons in this column will manually open/close a valve to a watering zone. Also displays whether a valve is “OPEN” or “CLOSED”. Only one location may be watered at a time.
- 9. Location Status** - Displays the current soil moisture for each watering zone and if a watering zone has encountered any errors. Pressing the “ERR” button if it is shown will display the error message in the system status window and clear the error.