

Hydroponics and Aquaponics

You'll find our high-performance advanced devices are a perfect fit for the fastest growing segments in the industry. The EnviroSTEP and VersiSTEP are highly capable controls ready to manage hydroponic, aquaponic and systems that integrate both methods of production. With irrigations based on time, light levels and vapor-pressure gradient (VPN) abilities, everything you need it is included. Speaking of included, you'll receive your precision aspirated temperature sensor and cable at no extra cost.

We use the EnviroSTEP to supply water in our hydroponic lettuce production. The feature I find most useful is the VPG (Vapor Pressure Gradient), which uses temperature and humidity to estimate when plants will need water, and at what point we need to pulse our pumps. That way we are providing water only when the plants need it, and that in turn saves energy costs.

CHRIS POWELL
Good Harvest Farms
Strasburg, PA

We grow tilapia and leafy greens for schools and hospitals in the area. Originally we had a STEP 50 but upgraded to an EnviroSTEP because we needed more control. We use the EnviroSTEP for our lights and for better control over the temperature. It gives us improved energy efficiency.

CHRISTOPHER MEUNIER
KP Simply Fresh
North Freedom, WI

Wadsworth has a good brand name and excellent support. For our organic leafy green and aquaponics we needed an advanced control that could operate our CO2. I like the STEPsaver program which gives me a direct link to the greenhouse and the ability to save seasonal settings as the CO2 increases.

JOEL TOWNSEND
Greater Growth LLC

FEATURES

Whether you use ebb and flow, trough or grow your crop in ponds, Wadsworth's EnviroSTEP and VersiSTEP advanced controllers have got you covered.

- Single zone control - can connect up to 100 zones
- 3 set point periods – day, night and DIF
- Ramping allows for gentle transition between set point periods and saves fuel
- Largest screen with menu-driven choices and graphing functions
- Keypad for easy operation
- 12 relay outputs with manual override switches
- 2 analog input channels for connecting light, CO2, RH and temperature sensors
- 4 digital detector channels sense precipitation, wind speed and wind direction
- Records the status of all inputs and outputs in 15-minute increments
- Alarm outputs: temperature, RH and power failure
- Replaceable 10 amp DPDT relays can operate a wide variety of equipment. These relays reduce the cost of your contactor panel
- Durable corrosion-resistant cabinet with locking door protects your control
- Cabinet measures 16" x 16" x 5

ASPIRATED PRECISION SENSORS INCLUDED:

- Solar-guarded temperature and humidity sensor and 100' of cable
- Solar-shielded outdoor temperature sensor with 25' of cable

