Sensors and Control Modules

High quality sensors are your eyes and ears into the health of your culture. Control modules create the environment your algae needs to thrive. Measure up to 14 parameters and control up to 12 devices from each MainBox or ExtensionBox.

Sensors

- pH, temperature, dissolved O2, algae density, PAR light, conductivity/TDS, liquid level, flow, and leak, ISEs - ammonium, nitrate, CO2, potassium, and others.

- Available in 3 styles: rugged Process Grade, Lab Grade, and autoclavable.

- Process Grade sensors are more durable and come equipped with 3/4” NPT mounting threads both on the sensor end and on the cable end.

- Hot Tap ready Lab Grade sensors are equipped with PG13.5 threads at the cable end. The Hot Tap allows sensors to be inserted and extracted from the live process.

- pH, Temperature, and Optical Dissolved Oxygen sensors are available in autoclave versions.

Control Modules

Using the Algae Connect™ software you can quickly program light, pH, CO2, temperature, nutrient delivery, and other functions.

- Relay Boxes turn on and off your power devices like pumps, valves, coolers, heaters. Available in 4x and 8x relay boxes.

- Single parameter controllers measure pH and control CO2 delivery at multiple locations in your pond from a MainBox or ExtensionBox.

- Analog Outputs generate a variable voltage for devices like some motors or LED lights.

- PWM Outputs for devices that need high frequency strobing, such as raw LED circuits.

Mounting Options Process vs Lab Styles

3/4” NPT Threads for ‘Inline’ Mount

1.05 OD, 5” Length Body (Wide Section Only)

PG 13.5 Thread for ‘Inline’ Mount
Also Compatible with ALS-HTM1 ‘Hot Tap’

3/4” NPT Threads for ‘Submersible’ Mount

12mm OD, 120 mm length