

The **SWAT-1** module is used to monitor your water pH, EC & temperature. The SWAT-1 module is the communication “hub” where you connect the Cromptiva SPH-1 pH probe and the SEC-1 combination EC/Temp probe. The SWAT-1 then converts the information coming from each of the 2 probes into a format the Cromptiva SEN-1, **Sentry** and **GUARD-1**, **Guardian** controllers can utilize. The controllers provides 24/7/365 monitoring for either a stock or fresh water tank, in-line (dosing system), or downstream monitoring of plant run-off. The SWAT-1 also features its own built-in digital display to make it easy to remotely check the sensor readings, and to allow easy probe calibration right from the SWAT-1 module. EC readings can be displayed in ms/cm or PPM.

To connect the SWAT-1 module, simply connect it to the RJ12 Sensor / Device port on your Cromptiva controller using the provided RJ12 cable and Y-splitters. You can replace multiple RJ12 Y-splitters with the UNIVERSAL multi-port RJ12 “powered” hub (RJ-HUB) to provide a centralized wiring “hub” to connect multiple device modules (AND sensors) to your Cromptiva main controller. The RJ-HUB and Cromptiva’s UNIVERSAL expansion ports provide a cleaner and more effective cable connection system.

The SWAT-1 module is one of 3 parts that are needed to monitor pH, EC & water temperature. The other two parts required are the 2 water probes called the SPH-1 pH probe and the SEC-1 EC/Temp probe. First determine where the probes will be located. Each probe comes with a 16-ft / 5meter long cable that will need to be connected to the SWAT-1 module. Install the module in a location that will NOT be exposed to water or spray etc.

**\* The SWAT-1 module itself is NOT waterproof and must be positioned so that it is not exposed to mist or moisture directly.**

## SWAT-1 / Specifications

**\* The SWAT-KIT comes with the SWAT-1 module and the required SEC-1 and SPH-1 sensors.**



Model	SWAT-1 / pH, EC, Temp sensor module
Protection Level	IP20
Product Dimensions	5.7x3.3x1.4" / 145x83x34mm
Operating Temperature	0-50°C / 32-122°F
Operating Humidity	≤90%, Non-Condensing
Operating Voltage	DC 24V
Power Consumption	≤40mA
Temp Measurement range	0-50°C / 32-122°F
Temp Accuracy	±0.8°C / ±1.4°F
pH Measurement range	0-14 pH
pH Accuracy	±0.1 pH
EC Measurement range	0-5 ms/cm
EC Accuracy	±0.05 ms/cm
EC / PPM reading	Selectable by the user
LCD Screen	1.7" / *Shows live sensor data
Cable type / Connection	RJ12, 6P6C, 6-wire cable
pH / EC probe Connection	pH=BNC / EC=Custom