

The Croptiva **SEN-1 / Sentry Grow Controller** has been designed to provide accurate and flexible control options for user's that want an economical and easy to use solution to control ALL aspects of their growing operation. It comes complete with our SAIR-1 precision 4-in-1 sensor. The SEN-1 is an "all-in-one" solution that can control up to 14 different devices. Both environmental and irrigation functions are controlled by a single controller. The SEN-1 can control small, integrated grow-rooms that use multiple lights, HVAC, commercial dehumidifiers. It easily controls EVERYTHING within self-contained Grow-tents. The SEN-1 offers 4 easy to use, pre-wired power outlets and 2 dry-contact relay outputs built-in to the Sentry. Those 6-outputs allows smaller devices like humidifiers, CO2, lights & fans to be powered directly from the SEN-1, while larger commercial HVAC units or dehumidifiers can be hard-wired directly to the SEN-1 Relay outputs. The user can also add several types of expansion device control modules to further expand your control system. The SEN-1 comes with several different types of plug types (SEN-1, SEN-1EU, SEN-1UK, SEN-1AU). Each plug type is selected for the country / region the module will be used. ***The SEN-1 comes with standard North American plugs.**

The SEN-1 comes complete with everything some growers would need in order to control a small grow-area. The SEN-1 comes with a standard SAIR-1 precision 4-in-1 environmental sensor that measures Temperature, Humidity, CO2, VPD and has a photocell that detects Day or Night operation. Separate Day and Night settings provide precise control 24/7/365. The SENTRY controller can control lights, fans, EC fans, humidifiers, dehumidifiers, HVAC or mini-split units, CO2, an irrigation pump / solenoid and more. (Each output can be set to 1 of 11 different control modes.)

The SEN-1 features a built-in touch-screen providing a clear and concise method to display all current conditions, and to allow the user to change settings easily. Croptiva focused on making installation easy by allowing all of the external sensors AND all optional external device modules to be connected to the same cable / port making it truly "plug-n-play". It features 2 RJ12 expansion ports (uses standard 6-wire RJ12 cable) to allow up to 13 total sensors and device control modules to be connected to the SEN-1 when controlling larger and more complicated grow spaces.

The SEN-1 comes with a free mobile app that provides easy access and remote control so the user is never really "away" from their grow area. The app provides live conditions from the sensors inside the grow area, will sent SMS user-alerts if a problem is detected and allows the user to make changes to their settings remotely. The app also records and displays historical data so that the user can visually verify their room or tent is working at optimum conditions, and to make changes on the fly if necessary. Simply connect your SEN-1 controller to your router or internet switch (Ethernet Cat 5/6 cable), then download the Croptiva Sentry App. You can then register an account and create a password so that your remote access is secured.

SEN-1 / Specifications



SAIR-1 sensor comes with the SEN-1



Available in Various plug configurations



N. America – Europe – UK – Australia

Model	Sentry / SEN-1 & (SAIR-1)
Product Dimensions	HxWxD 7.5x8x3" / 190x203x76mm
Protection Level	IP20
Certifications	CE, FCC
Operating Temperature	0-50°C / 32-122°F
Operating Humidity	≤90%, Non-Condensing
Operating Voltage	AC 100-240V 50/60Hz
Maximum Input Current	15A Total 120v / 10A Total 240v
Max Current (Outlet 1-3)	8A Per outlet
Max Current (Outlet 4)	Up to 14A (*Special High power outlet)
Dry Contact (Relay 5 & 6)	≤ 30V; Load Current: ≤1A (2x SPST relays)
Touch Screen	5-inch LCD; Resolution: 800 x 480
Internet Port	RJ45 (Ethernet)
Sensor and Device Port	6P6C RJ12 x 2, Output: 24vdc 400mA
Maximum RJ cable runs	500ft / 152m
*Available optional devices and sensors.	<ul style="list-style-type: none"> ● (SAIR-1) *Comes with the SEN-1 ● Minisplit AC Remote Station (WMINI-1) ● Dual EC Fan Controller (WFAN-1) ● 4-outlet module (QUAD-1)
*Maximum Number of Sensor and Device Modules: 1 Each	<ul style="list-style-type: none"> ● Lighting Controllers (LA-1/2) ● Plug-in Module (PDM-1,2 or PLV or PDC) ● EC/PH Module (SWAT-1) (*SWAT-KIT) ● EC & Temp sensor (SEC1) (*SWAT-KIT) ● pH sensor (SPH-1) (*SWAT-KIT) ● PAR sensor (SPAR-1) ● Moisture Monitoring (SMED-1) ● Smoke Detector (SSMK-1) ● Water Detector (SWLK-1)