GrowControl™ SXE Environmental Monitor, Logger & Controller is a precision digital indoor climate sensor with 3-button LCD display featuring temperature, relative humidity, ambient light and optionally CO2 ppm sensors.

Internal memory logs over 20,000 data points per sensor. Connects to Agrowtek's GrowControl™ Cultivation Controllers as part of a complete facility control solution. Available with WiFi module for stand-alone or remote monitoring, data logging, alerts, and more.

LX1 USB AgrowLink connects the GrowNET™ port to a PC with free PC software for datalog download, graphing, calibration, configuration, firmware updates, etc. LX2 ModLINK connects GrowNET™ devices to RS-422/485 for MODBUS RTU protocol communication.
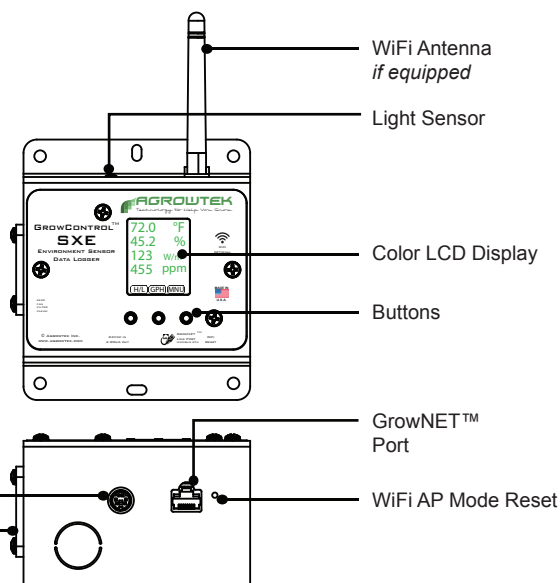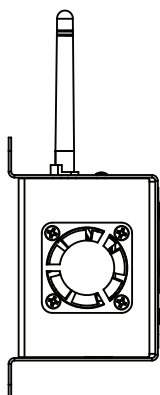

Sensors

Air Temperature
-20 - 60°C

Relative Humidity
0-99% RH

Light (Irradiance)
0-1000 Watts/m2

Carbon Dioxide (optional)
0-10,000 ppm

Real Time Clock (RTC)
Battery Backup Included

Fan aspirated with air filter for high accuracy

Features

WiFi optional for direct sensor monitoring and web portal connection

GrowNET™ Digital Communication Port

MODBUS RTU via LX2 ModLINK
Optional 4-channel 4-20mA analog outputs

Durable powder-coated steel enclosure

1-Year Warranty

Made in USA

Compatible

WiFi Antenna
if equipped

Light Sensor

Color LCD Display

Buttons

GrowNET™ Port

Power Jack / Analog Output

Intake Fan & Filter

WiFi AP Mode Reset
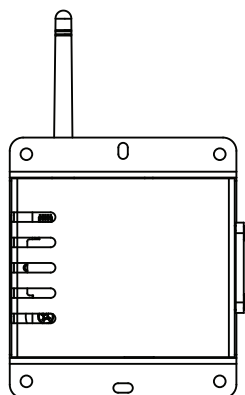
Typical Applications

Greenhouses & Indoor Growing Facilities

Industrial Process Monitoring Data Centers, Server Rooms

Home Environment Monitoring
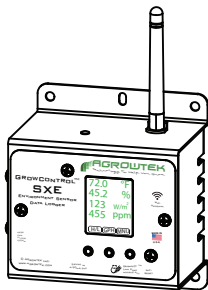
Agricultural Facilities

Analytical, Data Logging research & academic applications
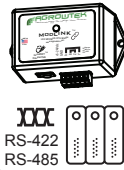
OEM & custom applicatoins

## Stand Alone

| WiFi	LX1 USB/PC	LX2 MODBUS
		RS-422 RS-485

Optional WiFi allows monitoring directly from a web browser, email alerts and more. Sensors can be connected to the LX1 USB Link with free PC software for data logging. Connect to industrial controllers using LX2 or LX4 ModLINK interface for standard MODBUS protocol. HX8 GrowNET hubs allow multiple devices to be addressed on an LX interface.

MCX Climate Controller
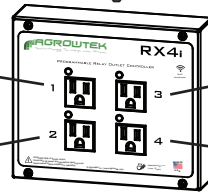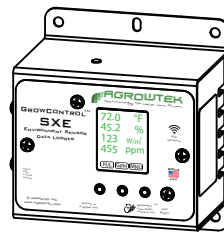
Combine a sensor and a RX4i or RD8i relay to form a powerful and economical basic control system. Configure standard control functions on the sensor to operate a relay module without a controller. Log data to the sensor's internal memory or add the WiFi module for browser access or web portal logging, email alerts, and more.

Master Controller
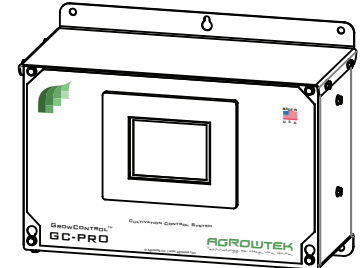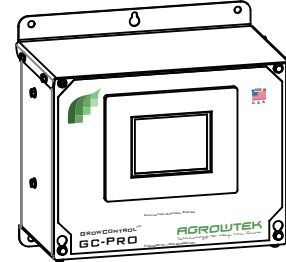
Connect to GrowControl Cultivation Controllers for advanced functions as part of a complete facility control solution. GrowControl systems are loaded with intelligent control functions optimized for today's complex growing environments.

Ordering Options

SXE - C W T

Analog 4-20mA Output

WX WiFi Option

SX-CO2 ppm (NDIR) Sensor Upgrade

Temperature, Humidity, Light with LCD Display Interface

Optional Accessories

LX1
USB AgrowLINK

LX2
RS-422/485 ModLINK

HX8
GrowNET 8-Port Hub

RX/RD
Relay Outlets