GrowControl™ Systems
Sensors & Equipment

MADE IN U.S.A.
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*Product UPC, shipping weight and package dimensions are listed with each item.*
Cultivation Control Systems

GrowControl™ cultivation control systems are designed from the ground-up to be the most flexible, advanced climate and dosing control solution that modern, demanding growers can depend on. Automate your heating, cooling, lighting, vents, curtains, pumps, timers, nutrient dosing, pH dosing, and much more! Monitor and adjust the controller via PC software & the internet.

Built with Agrowtek’s exclusive “Flexnology™” which allows the user to tailor the controller’s functions precisely to their requirements. A large ‘tool box’ of control functions is provided to choose from and assign to “outputs” (outlets) which control equipment. Includes all of the standard intelligent functions you would expect in a climate control system.

GrowControl™ GC-Pro is recommended for 1 environment of climate and hydroponic control, or two climate control environments.

GrowControl™ GC-ProXL is recommended for 2 environments of climate and hydroponic control, or up to four climate control environments (depending on the model selected.)

GrowControl™ systems connect to various sensors, relays and accessories to form a network of smart devices to control the environment.

Sensors

GrowControl™ sensors provide the GC-Pro and GC-ProXL systems with data on the indoor and outdoor environments, nutrient water, liquid levels and more. The sensor values are used to automatically control equipment in the environment.

Relays

GrowControl™ relays interface the GC-Pro and GC-ProXL systems with equipment. Mix and match various types of relays depending on the type of connections required.

Pumps

AgrowDose™ pumps allow GC-Pro and GC-ProXL systems equipped with SXH hydroponics sensors to automate nutrient and pH dosing functions.
**GrowControl™ GC-Pro**

**Complete Cultivation Controller**

The most flexible, advanced control solution that modern, demanding growers can depend on for reliability and ease of operation. Manage, monitor, and control all aspects of your climate equipment and hydroponics systems including automatic dosing. A built-in industrial grade micro-processor contains all of the user’s settings, reads the attached sensors and then turns equipment on or off automatically.

The GrowControl™ GC-Pro control system is available in different models with unique control functions tailored to specific applications.

**AgrowTouch™ Touch Screen**

An industrial strength touch screen interface is optional which allows fast and easy access to all settings in the controller including manual over-rides of all equipment, adjustment of all settings, graphical display and history of all sensor readings, alarm history display and more. For economical or starter applications, the GC-Pro can be adjusted and monitored with the free PC software.

**Ethernet Port**

An Ethernet port is optional providing the capability to connect the controller directly to an Ethernet network for access and control via remote internet connections. A serial port is included on all systems for direction connection to a PC.

Each controller includes one basic climate sensor (temperature, humidity & light.) Touch screen and Ethernet port are optional. Additional sensors, upgrades, equipment relays or accessories must be purchased separately.

**Details**

- Low-voltage 24VDC operation
- (12) Programmable Outputs (expandable up to 20)
- (4) Programmable Switch/Digital Sensor Inputs
- (2) Analog Sensor Ports (expandable up to 4)
- (2-4) Zone Control (depending on model selection)
- Powder-coated sheet metal enclosure
- Industrial components for long life/reliability
- Designed & manufactured in the U.S.A.!
- Full 2-Year Factory Direct Warranty

**GrowControl™ GC-Pro Climate & Hydroponics Controller**

<table>
<thead>
<tr>
<th>GC-PRO</th>
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<td>UPC: 813474020012</td>
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**GrowControl™ GC-Pro-C Greenhouse Controller**

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**GrowControl™ GC-Pro-Q Quad Climate Controller**

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**Options**

**AgrowTouch™ Color Touch Screen for GC-Pro**

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<tr>
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**Ethernet Port**

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<tr>
<td>UPC: 813474020050</td>
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**XD 8-Output Expansion Module**

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<td>UPC: 813474020067</td>
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**XA 2-Port Analog Sensor Expansion Module**

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<tr>
<td>UPC: 813474020074</td>
<td>0.2 lb (2x2x4)</td>
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</table>

[GC-Pro Data Sheet]
[GC-Pro Product Manual]
The GrowControl™ GC-ProXL system includes all the same great features as the GC-Pro, but has twice the sensor ports and output expansion capabilities! Ideal for two zones of complete environment and hydroponics control, or three climate zones with one hydroponics control.

The GrowControl™ GC-ProXL control system is available in different models with unique control functions tailored to specific applications.

**AgrowTouch™ Touch Screen**
An industrial-strength touch screen interface is optional which allows fast and easy access to all settings in the controller including manual over-rides of all equipment, adjustment of all settings, graphical display and history of all sensor readings, alarm history display and more. For economical or starter applications, the GC-ProXL can be adjusted and monitored with the free PC software.

**Ethernet Port**
An Ethernet port is optional providing the capability to connect the controller directly to an Ethernet network for access and control via remote internet connections. A serial port is included on all systems for direction connection to a PC.

Each controller includes one basic climate sensor (temperature, humidity & light.) Touch screen and Ethernet port are optional. Additional sensors, upgrades, equipment relays or accessories must be purchased separately.

**Details**
- Low-voltage 24VDC operation
- (16) Programmable Outputs (expandable up to 40)
- (8) Programmable Switch/Digital Sensor Inputs
- (4) Analog Sensor Ports
- (2-4) Zone Control (depending on model selection)
- Powder-coated sheet metal enclosure
- Industrial components for long life/reliability
- Designed & manufactured in the U.S.A.!
- Full 2-Year Factory Direct Warranty

**GrowControl™ GC-ProXL Climate & Hydroponics Controller**
UPC: 813474020036 10 lb (12x12x6)

**GrowControl™ GC-ProXL-C Greenhouse Controller**
UPC: 813474020982 10 lb (12x12x6)

**GrowControl™ GC-ProXL-Q Quad Climate Controller**
UPC: 813474020043 10 lb (12x12x6)

**Options**
- **AgrowTouch™ Color Touch Screen for GC-ProXL**
  UPC: 813474020098 2 lb (12x11x3) Specify Controller Model
  AT-PROXL $799.00
- **Ethernet Port**
  UPC: 813474020050 (Factory Only)
  E $279.00
- **XD 8-Output Expansion Module**
  UPC: 813474020067 0.2 lb (2x2x4)
  XD $199.00
- **XA 2-Port Analog Sensor Expansion Module**
  UPC: 813474020074 0.2 lb (2x2x4)
  XA $399.00

[GC-ProXL Data Sheet](#)  [GC-ProXL Product Manual](#)
Mini Climate Controllers

GrowControl™ MCX mini climate control systems are designed for simple environmental control requirements. When your facility’s needs expand, the mini systems can grow with your business by becoming a part of Agrowtek’s more advanced GrowControl™ cultivation control systems for a new life in complex growing environments.

**MCX1 Climate Controller**

**Simple | Accurate & Flexible | Rugged**

GrowControl™ MCX1 mini climate controller system senses and controls temperature, humidity and CO2 with day and night set points. The 120V outlet can be programmed for a specific sensor based control, 24-hour timer and cycle timer. A light sensor on the top of the SXE sensor detects day or night from ambient light levels. Accurate real-time-clock with battery backup keeps timers working during power outages. Precision sensors and rugged relays offer reliable and accurate control of environments large and small in an economical, easy to use package.

The SXE environment sensor’s color display provides an interface for monitoring the sensor readings and configuring the control settings. Also includes features such as high/low history, graphical history, alarm set points with buzzer, sensor calibration and more.

System includes power adapter for the environment sensor and a GrowNET™ cable kit. Made in USA.

**GrowControl™ MCX1 Mini Climate Control System**

<table>
<thead>
<tr>
<th>Options</th>
<th>MCX1</th>
<th>$499.00</th>
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<tbody>
<tr>
<td><strong>CO2 ppm Sensor Upgrade 0-10,000ppm</strong></td>
<td>SX-CO2</td>
<td>$99.00</td>
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<tr>
<td><strong>WiFi</strong></td>
<td>WX</td>
<td>$199.00</td>
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**UPC**

- 813474021613 4 lb (13x10x7)
- 813474020111 0.1 lb (2x2x2)
- 813474021477 0.2 lb (2x2x2)

**MCX1 System Data Sheet**  **MCX1 System Instruction Manual**
MCX4 Climate Controller

Simple | Accurate & Flexible | Rugged

GrowControl™ MCX4 mini climate controller system senses and controls temperature, humidity and CO2 with day and night set points. Each of the independent 120V outlets can be programmed for a specific sensor based control, 24-hour timer and cycle timer. A light sensor on the top of the SXE sensor detects day or night. Accurate real-time-clock with battery backup keeps timers working during power outages. Precision sensors and rugged relays offer reliable and accurate control of environments large and small in an economical, easy to use package.

The SXE environment sensor's color display provides an interface for monitoring the sensor readings and configuring the control settings. Also includes features such as high/low history, graphical history, alarm set points with buzzer, sensor calibration and more.

System includes power adapter for the environment sensor and a GrowNET™ cable kit. A 120V power cord kit for the RX4i is optional, or wire directly to conduit from a circuit panel using the knock-outs on the bottom of the relay enclosure. Made in USA.

GrowControl™ MCX4 Mini Climate Control System
MCX4 $699.00
Options
CO2 ppm Sensor Upgrade 0-10,000ppm
SX-CO2 $99.00
WiFi
WX $199.00
120V/15A Power Cord Kit
CAB-120 $44.00

MCX8 Climate Controller

Simple | Accurate & Flexible | Rugged

GrowControl™ MCX8 mini climate controller system senses and controls temperature, humidity and CO2 with day and night set points. Each of the independent relay contacts can be programmed for a specific sensor based control, 24-hour timer and cycle timer. A light sensor on the top of the SXE sensor detects day or night. Accurate real-time-clock with battery backup keeps timers working during power outages. Precision sensors and rugged relays offer reliable and accurate control of environments large and small in an economical, easy to use package.

The SXE environment sensor’s color display provides an interface for monitoring the sensor readings and configuring the control settings. Also includes features such as high/low history, graphical history, alarm set points with buzzer, sensor calibration and more.

System includes power adapters for the SXE environment sensor and relay, and a GrowNET™ cable kit. Made in USA.

GrowControl™ MCX8 Mini Climate Control System
MCX8 $699.00
Options
CO2 ppm Sensor Upgrade 0-10,000ppm
SX-CO2 $99.00
WiFi
WX $199.00

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Mini Dosing Systems

GrowControl™ mini dosing systems are designed for simple automated nutrient dosing requirements. When your facility’s needs expand, the mini systems can grow with your business by becoming part of Agrowtek’s more advanced GrowControl™ cultivation control systems for a new life in complex growing environments.

GDX Nutrient Dosing System

Multi-Recipe Memory | Large Display | Accurate & Reliable | ORP & DO Optional

GDX automates nutrient dosing and pH control in large or small nutrient stock tanks for re-circulating or drain-to-waste fertigation systems, DWC bucket systems and more. MDX+ adds ORP sensing and control. Eliminate manual testing and dosing, free up staff for other duties, and have alarms and historical data available.

GrowControl™ GDX dosing systems are powerful set-point controllers that operate a four, five or six-head AgrowDose™ pump. Configure each pump independently as EC, pH up or down, or ORP. Precision sensors and rugged pumps offer reliable and accurate control of nutrient feed tanks large and small.

The GDX controller’s large color display provides an easy to use interface for monitoring the sensors and configuring the dosing settings. Includes features such as high/low history, graphing, alarm set points with buzzer, sensor calibration with reminders, data logging with .csv download, recipe creation and upload from PC, and more.

Made in USA.

**GrowControl™ GDX4 Dosing System (4-Pump)**
- GDX4
- $2,199.00
- UPC: 813474021682
- 10 lb (18x12x6)

**GrowControl™ GDX5 Dosing System (5-Pump)**
- GDX5
- $2,499.00
- UPC: 813474021699
- 12 lb (18x12x6)

**GrowControl™ GDX6 Dosing System (6-Pump)**
- GDX6
- $2,799.00
- UPC: 813474021705
- 13 lb (18x12x6)

**Options**

- **ORP Upgrade for GDX Dosing Systems**
  - +ORP
  - $199.00
  - UPC: 813474021743 (Factory Only)

- **Dissolved Oxygen (DO) Upgrade for GDX Dosing Systems**
  - +DO
  - $339.00
  - UPC: 813474021750 (Factory Only)

- **External WiFi Module**
  - EWX
  - $199.00
  - UPC: 813474021767
  - 0.6 lb (3x4x2)

**Downloadable Resources**

- GDX System Data Sheet
- GDX System Instruction Manual

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MDX Nutrient & pH (+ORP) Dosing System

Autonomous | Easy to Use | Accurate & Reliable | ORP Optional

MDX automates nutrient dosing and pH control in large or small nutrient stock tanks for re-circulating or drain-to-waste fertigation systems, DWC bucket systems and more. MDX+ adds ORP sensing and control. Eliminate manual testing and dosing, free up staff for other duties, and have alarms and historical data available.

GrowControl™ MDX dosing systems are powerful set-point controllers that operate a single, dual, quad or penta AgrowDose™ pump. Configure each pump independently as EC, pH up or down, or ORP. Precision sensors and rugged pumps offer reliable and accurate control of nutrient feed tanks large and small.

SXH controller’s color display provides an easy to use interface for monitoring the sensors and configuring the dosing settings. Includes features such as high/low history, graphing, alarm set points with buzzer, sensor calibration and more.

Made in USA.

GrowControl™ MDX1 Mini Dosing System (single pump)  MDX1  $1,099.00
UPC: 813474020791  6 lb (12x10x6)

GrowControl™ MDX2 Mini Dosing System (dual pump)  MDX2  $1,399.00
UPC: 813474020807  7 lb (12x10x6)

GrowControl™ MDX4 Mini Dosing System (quad pump)  MDX4  $1,699.00
UPC: 813474020814  8 lb (18x12x6)

GrowControl™ MDX5 Mini Dosing System (penta pump)  MDX5  $1,999.00
UPC: 813474021262  9 lb (18x12x6)

Options

ORP Upgrade for Mini Dosing Systems  +ORP  $199.00
UPC: 813474021590  (Factory Only)

WiFi  WX  $199.00
UPC: 813474021477  0.2 lb (2x2x2)

MDX System Data Sheet  MDX System Instruction Manual
**MPX pH (+ORP) Dosing System**

**Acid/Base Control | 1, 2 or 4 Pumps | ORP Optional**

GrowControl™ MPX and MPX+ dosing systems are autonomous set-point dosing systems. Eliminate manual testing and dosing while maintaining conditions to your exact requirements! MPX system includes temperature and pH sensors, MPX+ includes additional ORP input and probe.

System can operate a single, dual, or quad AgrowDose™ pump. Precision sensors and rugged pumps offer reliable and accurate control for all types of applications including agricultural, aquaponics, aquariums, sanitation, pool & spa, food and beverage, industrial processes, etc.

The PHX controller's color display provides an easy to use interface for monitoring the sensors and configuring the dosing settings. Includes features such as high/low history, graphing, alarm set points with buzzer, sensor calibration, manual priming and more.

Made in USA.

**GrowControl™ MPX1 Mini Dosing System (single pump)**  
MPX1 $899.00  
UPC: 813474021392 6 lb (12x10x6)

**GrowControl™ MPX2 Mini Dosing System (dual pump)**  
MPX2 $1,199.00  
UPC: 813474021408 7 lb (12x10x6)

**GrowControl™ MPX4 Mini Dosing System (quad pump)**  
MPX4 $1,499.00  
UPC: 813474021576 8 lb (18x12x6)

**Options**

**ORP Upgrade for Mini Dosing Systems**  
+ORP $199.00  
UPC: 813474021590 (Factory Only)

**WiFi**  
WX $199.00  
UPC: 813474021477 0.2 lb (2x2x2)
**AgrowDose™ Dosing Panels**

GDX, MDX and MPX dosing systems are all available pre-mounted on a stainless steel back panel with plumbing manifolds for sensor probes and chemical injection. Just mount the panel, connect plumbing and plug in the power adapter!

### GDX Dosing Panels

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<th>GDX4P</th>
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<td>GrowControl™ GDX5 Dosing System (5-Pump)</td>
<td>GDX5P</td>
<td>$2,799.00</td>
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<td>UPC: 813474021729  7 lb (12x10x6)</td>
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<td>UPC: 813474021736  8 lb (18x12x6)</td>
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**Options**

**ORP Upgrade for GDX Dosing Systems**

+ORP2  $249.00

**Dissolved Oxygen (DO) Upgrade for GDX Dosing Systems**

+DO2  $389.00

**External WiFi Module (coming soon)**

EWX  $199.00

### MDX & MPX Dosing Panels

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| GrowControl™ MPX1 Dosing Panel (single pump)   | MPX1P | $1,199.00 |
| UPC: 813474021453  10 lb (26x15x7)            |       |            |
| GrowControl™ MPX2 Dosing Panel (dual pump)     | MPX2P | $1,499.00 |
| UPC: 813474021460  10 lb (26x15x7)            |       |            |
| GrowControl™ MPX4 Dosing Panel (dual pump)     | MPX4P | $1,799.00 |
| UPC: 813474021583  10 lb (26x15x7)            |       |            |

**Options**

**ORP Upgrade for Dosing Panel**

+ORP2  $249.00

**WiFi (coming soon)**

WX  $199.00
Fertigation Systems

BDX BatchMatic Fertigation System
Multi-Zone | 10 Chemical Parts | Batch Fertigation

GrowControl™ BDX Batch Dosing & Fertigation System is a nutrient mixing and irrigation system for pre-mixing and dispensing to plants, hydroponic systems or holding tanks. Control and schedule 5/6 zones and add up to 8 more zones with an 8-valve expansion panel for a total of 14 valves with unique recipes.

Available with 5 or 10 persitaltic dosing pumps for mixing multi-part fertilizer solutions on the fly according to fertilizer ratio recipes and EC/pH/ORP targets. Available with redundant sensors for enhanced error detection and backup operation. Alarms and automatic shut down functions standard.

System includes a recirculating/irrigation pump with outlet control relay and SXL liquid sensors for detecting high and low levels in the mixing tank.

Available with VBT series compact vertical batch tanks 55-135gal, or use any mixing tank up to 300 gallons.

Made in USA.

BDX BatchMatic 6-Zone/5-Part Dosing System BDX5   $14,499.00
UPC: 813474021774 300 lb (40x40x12) Freight

BDX BatchMatic 6-Zone/10-Part Dosing System BDX10   $16,299.00
UPC:813474021781 300 lb (40x40x12) Freight

Options

ORP Upgrade for BDX System BDX+ORP   $299.00/EA
UPC: 813474021798 (Factory Only)

Redundant SXH Sensors for BDX System BDX+SXH   $999.00
UPC: 813474021804 (Factory Only)
**VXP8 Eight Valve Expansion Panel**

8 Valves | Expands BDX up to 14 zones

VXP8 eight zone valve panel expands the BDX system from 5/6 zones up to a maximum of 14 zones per system. Easy plug-and-play manifold connection to the BDX system. Pre-fabricated and mounted on a stainless steel back panel for simple wall mount installation.

**VXP8 Eight Zone Valve Expansion Panel**

UPC: 813474021811  24 lb (20x26x8)  

VXP8  $2,099.00

---

**VBT Vertical Batch Tank & Stand**

Heavy Duty Stand | 55, 100 & 350 gal

VBT series cone-bottom batch tanks features a compact foot print with heavy-duty powder-coated steel tank stand. Cone bottom ensures complete drainage of tank to prevent mixing of batches.

Available in 55, 100 and 350 gallon capacities.

Designed for use with BDX BatchMatic™ fertigation systems as a mixing vessel for the system. Polypropelyne tank with polypropelyne and PVC fittings.

Made in U.S.A.

*Drop ships from manufacturer.*

**VBT-55 Vertical Batch Tank & Stand**

UPC: 813474021835  MOTOR FREIGHT  

VBT-55  $999.00

**VBT-100 Vertical Batch Tank & Stand**

UPC: 813474021859  MOTOR FREIGHT  

VBT-100  $1,499.00

**VBT-105 Vertical Batch Tank & Stand**

UPC: 813474021866  MOTOR FREIGHT  

VBT-350  $2,499.00
Climate & Weather Sensors

Agrowtek’s precision digital electronic climate sensors provide high accuracy and reliability with an impressive array of features ideal for many different types of applications. Climate and weather sensors feature an aspirated temperature and humidity sensor, light sensor and optional CO2 ppm sensor. Weather stations may also be quipped with wind speed and direction sensors.

SXE Indoor Environment Sensor

GrowControl™ SXE Environment Sensor & Data Logger is a precision digital indoor sensor featuring temperature, humidity, ambient light and optionally CO2 ppm. Fan aspirated for continuous accuracy with removable air filter. Bright color display and 3-button interface make this unit capable of operating stand-alone for sensor monitoring, or connect to Agrowtek’s GrowControl™ systems for advanced environmental control solutions.

Internal memory logs 20,000+ data points for months or years of storage. Accurate real-time-clock with battery backup keeps log time accurate during power outages. USB AgrowLink connects the GrowNET™ port to a PC for datalog download to .csv, graphing, calibration, configuration, updates, and more using free PC software. Alarm set points can be configured to activate an internal buzzer to alert operators.

Full color display screen features large, bright green sensor readings for easy visibility, plus a range of functions that can be performed directly from the menus including high/low history, graphical history, alarm set points & buzzer, sensor calibration, data logging options and more.

Made in USA.

GrowControl™ SXE Indoor Environment Sensor

UPC: 813474020845 2 lb (7x4x3)

Options

CO2 ppm Sensor 0-10,000ppm
UPC: 813474020111 0.1 lb (2x2x2)

WiFi Module
UPC: 813474021477 0.2 lb (2x2x2)

SXE Indoor Environment Sensor
Indoor climate sensor, data logger & mini-controller with LCD display.

SXC
Indoor climate sensor, data logger & transmitter for indoor hanging.

SXW
Outdoor weather sensor with optional wind speed & directions sensors.

SXE Data Sheet
SXE Instruction Manual
**SXW Weather Station Sensor**

*Outdoor | Temperature | Light | Wind Speed & Direction*

GrowControl™ SXW Weather Monitor & Logger is a precision digital outdoor sensor station featuring temperature, ambient light, and optionally wind speed anemometer and wind direction vane. Housed in a rugged stainless steel enclosure and designed for pole or wall mounting. Internal memory logs 20,000+ data points for months or years of storage. Accurate real-time-clock with optional battery backup keeps log time accurate during power outages. USB AgrowLink connects the GrowNET™ port to a PC for datalog download to .csv, graphing, calibration, configuration, updates, and more using free PC software. Made in USA.

Wind Speed Anemometer
Wind speed anemometer with 3 cup rotor measures wind speeds from 1 to 125 MPH. Extremely rugged for harsh conditions and sensitive to the slightest breeze. Simple two-wire connection to transmitter.

Wind Direction Vane
Wind vane uses German Hall effect sensor for precision and durability. Many potentiometer type wind vanes have a dead spot of several degrees, friction from the sensor and a defined life span. Agrowtek’s wind vanes have zero dead band, are near-zero friction and have a theoretical infinite life.

**GrowControl™ SXW Outdoor Weather Sensor**

<table>
<thead>
<tr>
<th>SXW</th>
<th>$349.00</th>
</tr>
</thead>
</table>

**Options**

| Wind Speed Anemometer Sensor | SX-A | $149.00 |
| Wind Direction Vane Sensor | SX-V | $249.00 |
| WiFi Module | WX | $199.00 |

**SXC Indoor Climate Sensor**

*Plant Canopies | Temperature | Humidity | Light | CO2*

GrowControl™ SXC Climate Sensor is a precision digital indoor sensor featuring temperature, humidity, ambient light and optionally CO2 ppm. Designed for hanging above plant canopies in greenhouses and indoor facilities for environmental control. Fan aspirated for continuous accuracy with removable air filter. Connect to Agrowtek’s GrowControl™ Control systems for advanced environmental control solutions.

Internal memory logs 20,000+ data points for months or years of storage. Accurate real-time-clock with optional battery backup keeps log time accurate during power outages. USB AgrowLink connects the GrowNET™ port to a PC for datalog download to .csv, graphing, calibration, configuration, updates, and more using free PC software. Made in USA.

**GrowControl™ SXC Indoor Climate Sensor**

| SXC | $249.00 |

**Options**

| CO2 ppm Sensor 0-2000ppm | SX-CO2 | $99.00 |
| WiFi Module | WX | $199.00 |

**SXC Data Sheet**

**SXC Instruction Manual**

**SXW Data Sheet**

**SXW Instruction Manual**
Hydroponics & Water Sensors

Precision digital water chemistry sensor transmitters, data loggers and peristaltic pump controllers are available in a variety of configurations depending on the sensor inputs required.

<table>
<thead>
<tr>
<th>Temperature</th>
<th>pH</th>
<th>EC</th>
<th>(ORP/DO opt.)</th>
</tr>
</thead>
</table>

**GXH Nutrient Monitor & Logger**

*Up to Five Sensor Inputs | Large Display | Data Log Download*

GrowControl™ GXH is a precision digital sensor transmitter, data logger, monitor and controller featuring temperature, pH, and conductivity sensors for water. Also available with oxidation reduction potential and dissolved oxygen sensor inputs. Standard large 3.5” display and 3-button interface makes this unit capable of operating stand-alone for sensor monitoring, alarms, graphing, on-site calibration, and more. Digital electronics with isolated inputs accurately read and record sensor data.

Internal memory logs 20,000+ data points per sensor for months or years of storage. USB AgrowLink connects the GrowNET™ port to a PC for datalog download to .csv, graphing, calibration, configuration, updates, and more using free PC software. LX2 ModLINK interface connect to RS-485 networks using standard MODBUS protocol.

Color display screen features large, bright green sensor readings for easy visibility, plus a range of functions that can be performed directly from the menus including high/low history, graphical history, alarm set points and buzzer, sensor calibration, data logging options and more.

Made in USA.

**GrowControl™ GXH Nutrient Monitor (Temp/pH/EC)**

- **GXH**
- **$1,099.00**

**Options**

- **Oxidation Reduction Potential (ORP) Upgrade**
  
  - +ORP
  - **$199.00**

- **Dissolved Oxygen (DO) Upgrade**
  
  - +DO
  - **$339.00**

- **External WiFi Module (coming soon)**
  
  - EWX
  - **$199.00**
SXH Hydroponics Transmitter & Controller

Temperature | pH | Conductivity | ORP/DO

GrowControl™ SXH is a precision digital sensor transmitter, data logger, monitor and controller featuring temperature, pH, and conductivity sensors for water. SXH+ model also includes an oxidation reduction potential or dissolved oxygen sensor input. Optional bright color display and 3-button interface make this unit capable of operating stand-alone for sensor monitoring, alarms, graphing, on-site calibration, and more. Digital electronics with isolated inputs accurately read and record sensor data.

Internal memory logs 20,000+ data points per sensor for months or years of storage. USB AgrowLink connects the GrowNET™ port to a PC for datalog download to .csv, graphing, calibration, configuration, updates, and more using free PC software. LX2 ModLINK interface connect to RS-485 networks using standard MODBUS protocol.

Full color display screen features large, bright green sensor readings for easy visibility, plus a range of functions that can be performed directly from the menus including high/low history, graphical history, alarm set points and buzzer, sensor calibration, data logging options and more. Made in USA.

Sensor probes included in pricing below.

**Without Display**

**GrowControl™ SXH Temp, pH, EC Transmitter (for GC-Pro/XL)**  
SXHK  
$599.00  
UPC: 813474020128  
1 lb (6x4x2)

**With Display**

**GrowControl™ SXH Temp, pH, EC Transmitter**  
SXHMK  
$668.00  
UPC: 813474021620  
1 lb (6x4x2)

**GrowControl™ SXH+ Temp, pH, EC + ORP Transmitter**  
SXHMK+ORP  
$867.00  
UPC: 813474021637  
1 lb (6x4x2)

**GrowControl™ SXH+ Temp, pH, EC + DO Transmitter**  
SXHMK+DO  
$1,007.00  
UPC: 813474021644  
1 lb (6x4x2)

**Options**

**WiFi Module**  
WX  
$199.00  
UPC: 813474021477  
0.2 lb (2x2x2)

[ SXH Data Sheet ]  [ SXH Instruction Manual ]
PHX pH Transmitter & Controller

**pH | Temperature | ORP/DO**

GrowControl™ PHX is a precision digital sensor transmitter, data logger, monitor and controller for pH and temperature sensors. PHX+ model includes an ORP/DO input. Optional bright color display and 3-button interface make this unit capable of operating stand-alone for sensor monitoring, alarms, graphing, on-site calibration, and more. Digital electronics with isolated inputs accurately read and record sensor data.

Internal memory logs 20,000+ data points per sensor for months or years of storage. USB Agrow-Link connects the GrowNET™ port to a PC using free PC software. LX2 ModLINK interface connect to RS-485 networks using standard MODBUS protocol.

Full color display screen features large, bright green sensor readings for easy visibility, high/low history, graphical history, alarm set points and buzzer, sensor calibration, data logging options and more.

PHX+ option adds an ORP or DO probe input/dosing control to the PHX transmitter. Ideal for sanitation applications including pools, industrial process water, washing systems, aquariums, aquaponics and more. Made in USA.

### With Display

**GrowControl™ PHX pH, Temp Transmitter with Probes**

PHXMK  $479.00  
UPC: 813474021651  1 lb (6x4x2)

**GrowControl™ PHX+ pH, Temp + ORP Transmitter with Probes**

PHXMK+ORP  $678.00  
UPC: 813474021668  1 lb (6x4x2)

**GrowControl™ PHX+ pH, Temp + DO Transmitter with Probes**

PHXMK+DO  $818.00  
UPC: 813474021675  1 lb (6x4x2)

### Options

**WiFi Module**

WX  $199.00  
UPC: 813474021477  0.2 lb (2x2x2)

[PHX Data Sheet](#)  [PHX Instruction Manual](#)
Optical Liquid Sensors

**SXR Rain Sensor**

**Optical | No Moving Parts | Rugged**

GrowControl™ SXR Rain Sensor is a high quality optical type rain sensor with no moving parts. The rain gauge senses water hitting its outside surface using beams of infrared light. It uses the same sensing principle used in millions of automotive rain sensing windshield wiper controls.

Connect to GC-Pro or GC-ProXL controller digital inputs to close vents and windows down to a weather set-point at the first sign of rain.

Equipped with arm for mounting to structure or weather station. Includes a built-in heater to allow use in temperatures down to 32°F (0°C). Smart logic prevents false triggers from dust and other slow build-up of accumulation. Adjustable sensitivity allows for four different settings which activate the sensor from the slightest amount of rain to heavy rainfall. Operates on 24Vdc from controller and connects directly to any digital input.

**GrowControl™ SXR Rain Sensor**

UPC: 813474020487  0.6 lb (6x3x3)

SXR  $219.00

[SXR Instruction Manual](#)
SXL Liquid Level Sensors

Level Sensing | Leak Detection | Flow Indication

Electronic optical liquid sensors are durable, have no moving parts and are easy to maintain. SXL sensors can detect fluid levels in tanks, flow in pipes, or leaks in drip pans when liquid touches the sensor tip. Wide voltage range and high current capacity makes the SXL sensor practical for TTL logic, industrial PLC or direct relay control applications. 1/4” NPT threading and removable wiring terminal block with pin-out cast into the hex head makes installation or replacement fast and simple. When the output is energized a red LED illuminates the sensor body giving a visual status indication. Available in both ‘wet-on’ and ‘dry-on’ configurations. Other intelligent functions include anti-splash false reading detection, output debounce and error indication from infrared flooding.

- Water Tanks
- Coolant Reservoirs
- Hydraulic Fluid Reservoirs
- Warewash Equipment
- Irrigation Systems
- High & Low Level Detection
- Leak & Overflow Detection
- Flow Detection in Pipes

**Voltage Input:** 5-24Vdc  
**Output Current:** Max 1A (sourcing)  
**Mounting Thread:** 1/4” NPT  
**Hex Size:** 3/4” (19mm)  
**Body Material:** Polysulphone  
**Temperature Range:** -20 to 80°C (non-freezing)  
**Wire Gauge:** 26 - 16 AWG

<table>
<thead>
<tr>
<th>Status</th>
<th>SXL-1* (Wet ON)</th>
<th>SXL-2* (Dry ON)</th>
<th>SXL-3 (PWM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry</td>
<td>LED/Output OFF</td>
<td>LED/Output ON</td>
<td>LED OFF, 20%</td>
</tr>
<tr>
<td>Wet</td>
<td>LED/Output ON</td>
<td>LED/Output OFF</td>
<td>LED ON, 50%</td>
</tr>
<tr>
<td>IR Flooded/Error</td>
<td>LED Flashing / Output OFF</td>
<td>LED Flash, 80%</td>
<td></td>
</tr>
</tbody>
</table>

*Available “latching” model holds output on until next power cycle when activated.

**Individual Sensors**

- **SXL-1 Optical Liquid Sensor, WET-ON**  
  UPC: 813474021132  0.1 lb (2x2x2)  
  SXL-1  $66.00

- **SXL-2 Optical Liquid Sensor, DRY-ON**  
  UPC: 813474021149  0.1 lb (2x2x2)  
  SXL-2  $66.00

- **SXL-3 Optical Liquid Sensor, PWM**  
  UPC: 813474021156  0.1 lb (2x2x2)  
  SXL-3  $66.00

- **SXL-1X Optical Liquid Sensor, WET-ON (Latching)**  
  UPC: 813474021163  0.1 lb (2x2x2)  
  SXL-1X  $66.00

- **SXL-2X Optical Liquid Sensor, DRY-ON (Latching)**  
  UPC: 813474021170  0.1 lb (2x2x2)  
  SXL-2X  $66.00

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SXL Liquid Level Control Systems

Fill or Drain | Valve or Relay | Complete Kits

Complete automatic electronic fill or drain control system for liquid tanks and reservoirs with a matched pair of SXL sensors for high and low set points. Operate a water valve or outlet relay to control pumps and maintain fluid levels between high and low sensors.

Matched Fill or Drain Sets

SXL-F
FILL SENSOR KIT

High Level Sensor
Turn OFF pump/valve

Low Level Sensor
Turn ON pump/valve

SXL-D
DRAIN SENSOR KIT

High Level Sensor
Turn ON pump/valve

Low Level Sensor
Turn OFF pump/valve

Complete Kits

Available with VX1 water valve kit or RX1 outlet relay kit for a complete system. Kits include sensors, valve/relay, a power supply adapter and a pre-wired plug-and-go harness with 10ft between the sensors, 15ft to the valve/relay, and 9ft to the power adapter.

SXL sensors are available as a matched set for automatic fill or drain control without any other control system. Available in a pre-wired valve or relay kit for a complete automatic liquid level control system.

Sensor Set Only

SXL-F Optical Liquid Sensor Set, FILLING

SXL-F $124.00

UPC: 0.1 lb (2x2x2)

SXL-D Optical Liquid Sensor Set, DRAINING

SXL-D $124.00

UPC: 0.1 lb (2x2x2)

Kits with 1" Water Valve

Fill System with Valve

SXL-F-VX1 $199.00

UPC: 0.1 lb (2x2x2)

Drain System with Valve

SXL-D-VX1 $199.00

UPC: 0.1 lb (2x2x2)

Kits with 120V Outlet Relay

Fill System with Relay

SXL-F-RX1 $229.00

UPC: 0.1 lb (2x2x2)

Drain System with Relay

SXL-D-RX1 $229.00

UPC: 0.1 lb (2x2x2)

SXL Level Kit Data Sheet
LSM Liquid Sensor Mount System

Vertical Sensor Mounting | Adjustable Depth

Two-part system for mounting SXL liquid level sensors from the top of a tank providing secure mounting, adjustable sensor heights, and easy installation and removal. Uses standard 1” PVC pipe to mount the SXL liquid sensors at adjustable depths within a liquid tank. Top mounting avoids holes on the sides of the container to reduce chances of leaks.

Part 1: Cap Kit
Mount SXL optical liquid level sensors on the end of a 1” PVC pipe. Kit includes a tapped PVC cap with o-ring seal and PVC pipe fitting. Provide 1” schedule 40 or 80 PVC pipe to length.

Part 2: Flange Kit
Securely mount sensor pipes to the tank. Kit includes hardware and custom flange with locking set screw for clamping the pipe at the desired location. All stainless hardware is designed for easy service without tools after installation.

Flange can be removed from the tank by quickly removing the wing nuts. Studs remain bolted to the tank while the sensor can be pulled up and removed for cleaning and maintenance.

| LSM Cap Kit, Tapped Cap & 1” PVC Fitting | LSM-FLANGE | $30.00 |
| UPC: 0.1 lb (2x2x2) |

| LSM Flange Kit, for Mounting 1” PVC Pipe | LSM-FLANGE | $30.00 |
| UPC: 0.1 lb (2x2x2) |

| LSM Liquid Sensor Mounting System, Cap & Flange Kit | LSM-KIT | $40.00 |
| UPC: 0.1 lb (2x2x2) |

✶ LSM Data Sheet
AgrowDose™ Peristaltic Dosing Pumps

AgrowDose peristaltic pumps are a self-priming, non-contact design for metering concentrated nutrients, pH buffers and other chemicals into stock tanks.

How do Peristaltic Pumps Work?
A U-shaped piece of tubing is squeezed by rotating rollers to create suction on one end of the tube and pressure on the other end (similar to squeezing a tube of paste.) The fluid stays inside of the tubing and makes no contact with other parts of the pump. The pumps are self-priming and produce up to 20 psi of pressure on the output line. The design is rugged and capable of pumping both thick and thin viscosity fluids.

All of Agrowtek’s pumps are constructed with FDA compliant tubing and are made in the U.S.A. with proven motors, gear boxes and pump heads for long, reliable life.

AD1 AgrowDose™ Universal Peristaltic Dosing Pump

**Outlet Controlled | Economical | Versatile**

AgrowDose™ AD1 dosing pumps are rugged and economical single-head peristaltic pumps designed for pumping nutrient concentrates, pH buffers and other chemicals into stock tanks or pressurized water lines.

Can be used for many applications including:
- pH buffer injection
- Fertilizer injection
- Chlorine chemical injection
- Automated watering of small plants
- Other OEM applications

AD1 Pump operates at a fixed speed (~50mL/min) when powered and requires a controlled outlet to operate the pump (such as the RX1.) Includes a standard 120Vac/12Vdc wall plug power supply for use on any control system with a controlled outlet. *Does not have a GrowNET™ port.*

Replaceable pump head offers fast, easy maintenance. Made in USA.

**AgrowDose™ AD1 Peristaltic Dosing Pump**

UPC: 813474020241  3 lb (7x5x5)

AD1 $225.00

[AD1 Data Sheet] [AD1 Instruction Manual]
**AD AgrowDose™ Dosing Pumps for GC-Pro/XL**

**24V Output Control | Precision | Durability**

AgrowDose™ AD2 and AD4 dosing pumps are rugged and economical dual-head peristaltic pumps designed for pumping nutrient concentrates, pH buffers and other chemicals.

AgrowDose AD2 and AD4 pump motors operate independently at a fixed speed (~50mL/min) when the 24V discrete inputs are activated by a controller such as the GC-Pro or GC-ProXL. Built-in relays switch power from the included 12Vdc wall adapter to the pump motors. Additional relays are not required to connect the AD2 or AD4 to GC-Pro/XL controllers; pump inputs connect directly to controller output terminals.

Replaceable pump head offers fast, easy maintenance. Made in USA.

**AgrowDose™ AD2 Dual Peristaltic Dosing Pump**
- AD2
- $399.00
- UPC: 813474020401
- 4 lb (9x5x5)

**AgrowDose™ AD4 Quad Peristaltic Dosing Pump**
- AD4
- $799.00
- UPC: 813474020258
- 6 lb (16x5x5)

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**ADi AgrowDose™ Digital Intelligent Dosing Pumps**

**Precision | Durability | Economy**

AgrowDose™ ADi series “intelligent” dosing pumps are digitally controlled, variable speed capable next-generation pumps for use with Agrowtek’s SXHM hydroponics sensors as an autonomous pH & EC dosing system.

ADi pump motors operate independently at variable speeds (up to 50mL/min) when connected to intelligent control devices such as Agrowtek’s SXHM hydroponics sensor or from a computer using the LX1 USB AgrowLINK for batch dosing.

GrowNET port allows digital communication to PC with LX1 USB AgrowLINK, and can communicate via MODBUS on RS485 for PLC applications.

Replaceable pump head offers fast, easy maintenance.

Made in USA.

ADi intelligent dosing pumps feature the digital MODBUS RTU communication protocol.

**AgrowDose™ AD1i Single Intelligent Dosing Pump**
- AD1i
- $399.00
- UPC: 813474020760
- 3 lb (7x5x5)

**AgrowDose™ AD2i Dual Intelligent Dosing Pump**
- AD2i
- $699.00
- UPC: 813474020777
- 5 lb (9x5x5)

**AgrowDose™ AD4i Quad Intelligent Dosing Pump**
- AD4i
- $999.00
- UPC: 813474020784
- 6 lb (16x5x5)

**AgrowDose™ AD5i Penta Intelligent Dosing Pump**
- AD5i
- $1,299.00
- UPC: 813474021255
- 7 lb (16x5x5)
Relays for GC-Pro/XL

Agrowtek’s relays allow GrowControl™ systems to switch equipment on and off.

RX Relays feature independently operated outlets; each outlet has it’s own relay.
CX Contactors switch all outlets on at the same time to operate banks of lights, fans, etc.
RD Relays have dry-contact terminals for connecting contactor panels, HVAC systems, and other equipment.
MX Relays operate reversible motors in greenhouse ridge vents, roll-up walls and black-out curtains.

RX1 Single Outlet Relay for GC-Pro/XL

Convenience | Versatility | Durability

Convenient single relay-controlled outlet to be operated by GrowControl™ GC-Pro/XL systems. Control any piece of equipment up to 12A/120V. RX1 can be located in any standard wall outlet and easily moved as needed.

UL flame rated enclosure & fully grounded for safety. Made in USA.

Does not have a GrowNet port.

RX1 Single Outlet Relay for GC-Pro/XL, 120V 12A
RX1 $99.00
RX1 Data Sheet
RX1 Instruction Manual

RX6 Outlet Relay for GC-Pro/XL

Independent Outlets | Six Devices | 15A Capacity

Operate six different pieces of equipment with GC-Pro/XL controllers from this one single, convenient relay box! Heavy duty relays each operate separate 120V/15A outlets.

Wire power directly to a branch protected circuit or install a power cord to plug the RX6 into a wall outlet. 24Vdc trigger inputs connect to GC-Pro/XL 24Vdc outputs.

Rugged and safe powder coated steel enclosure with easy to read labeling.

Made in USA.

RX6 Six Outlet Relay, 120V 15A
RX6 $249.00
RX6 Instruction Manual

Options

120V/15A 6ft 14AWG Power Cord Kit
RX6 -K +$44.00
**CX4 Outlet Contactor for GC-Pro/XL**

120V Grouped Outlets | Single Output | 15A Capacity

Four simultaneously controlled outlets to be wired to the GC-Pro/XL. With a 15A 120VAC capacity, the CX4 is capable of switching up to 1800 watts of lighting or other equipment!

Wire power directly to a branch protected circuit or install a power cord to plug the CX4 into a wall outlet. 24Vdc trigger input connect to GC-Pro/XL 24Vdc output.

Rugged and safe powder coated steel enclosure with easy to read labeling. Made in USA.

CX4 Outlet Contactor, 120V 15A  
CX4 $199.00

Options

120V/15A 6ft 14AWG Power Cord Kit  
-K +$44.00

CX4 Data Sheet  CX4 Instruction Manual

---

**CX4A Outlet Contactor for GC-Pro/XL**

240V Grouped Outlets | Single Output | 25A Capacity

Four simultaneously controlled outlets to be wired to the GC-Pro/XL. With a 25A 240VAC capacity, the CX4A is capable of switching up to 4000 watts of lighting or other equipment!

Wire power directly to a branch protected circuit. 24Vdc trigger input connect to GC-Pro/XL 24Vdc output. Dual-pole operation.

Rugged and safe powder coated steel enclosure with easy to read labeling. Made in USA.

CX4A Outlet Contactor, 240V 25A  
CX4A $229.00

CX4A Instruction Manual

---

**CX1H Hard Wire Contactor for GC-Pro/XL**

240V Grouped Outlets | Single Output | 25A Capacity

Hard-wired two-pole contactor to be wired to the GC-Pro/XL. With a 25A 240VAC capacity, the CX4A is capable of switching up to 4000 watts of lighting or other equipment!

Wire power directly to a branch protected circuit. 24Vdc trigger input connect to GC-Pro/XL 24Vdc output. Dual-pole operation.

Rugged and safe powder coated steel enclosure with easy to read labeling. Made in USA.

CX1H Hard Wire Contactor, 240V 25A  
CX1H $199.00

CX1H Instruction Manual
RD Series Dry Contact Relays for GC-Pro/XL

4, 6, 8 or 12 Contacts | Isolated Outputs | Custom Integration

Dry-contact relays for connecting GC-Pro/XL systems to third-party relays and contactors in electrical panels, heating and cooling systems, solenoid valves, pumps, etc.

Each relay has a normally open dry-contact with individual common terminals. Relays are mounted in sockets and can be easily removed and replaced in seconds. Each contact is rated 5Amps at 120VAC.

Rugged and safe powder coated steel enclosure with easy to read labeling. Made in USA.

**RD4 Four Contact Relay Module**
- RD4
- $249.00
- UPC: 813474020203
- 3 lb (8x7x2)

**RD6 Six Contact Relay Module**
- RD6
- $269.00
- UPC: 813474020210
- 4 lb (8x7x2)

**RD8 Eight Contact Relay Module**
- RD8
- $289.00
- UPC: 813474020227
- 4 lb (8x7x2)

**RD12 Twelve Contact Relay Module**
- RD12
- $319.00
- UPC: 813474020234
- 4 lb (8x7x2)

MX1 AC Motor Control Relay for GC-Pro/XL

Forward & Reverse Control | Manual Override | Compact

MX1 forward/reverse motor controller allows Agrowtek's control systems to operate single-phase AC vent and shade motors 120-240Vac up to 8Amps or 3/4HP. Control opening and closing of vents and curtains with automatic control by wiring the MX1's input signal terminals to Agrowtek's controller outputs, or use the knob on the front of the MX1 to manually operate vent and curtain motors.

Operates on 24VDC and includes manual override switch for manual or automatic operation. Includes terminals for external limit switches and piggy-back connection of multiple units from a single hard-wired 24Vdc power supply. Rugged and safe UV compatible poly enclosure with easy to read labeling.

Made in USA.

**MX1 AC Reversible Motor Controller**
- MX1
- $279.00
- UPC: 813474020388
- 3 lb (8x5x5)

MX1D DC Motor Control Relay for GC-Pro/XL

Forward & Reverse Control | Manual Override | Compact

MX1D forward/reverse motor controller allows Agrowtek's control systems to operate reversible DC vent and shade motors up to 30Vdc/8Amps or 3/4HP. Control opening and closing of vents and curtains with automatic control by wiring the MX1’s input signal terminals to Agrowtek’s controller outputs, or use the knob on the front of the MX1 to manually operate vent and curtain motors.

Operates on 24VDC and includes manual override switch for manual or automatic operation. Includes terminals for external limit switches and piggy-back connection of multiple units from a single hard-wired 24Vdc power supply. Rugged and safe UV compatible poly enclosure with easy to read labeling.

Made in USA.

**MX1D DC Reversible Motor Controller**
- MX1D
- $319.00
- UPC: 813474020388
- 3 lb (8x5x5)
Digital Intelligent Relays

Agrowtek’s digital “intelligent” relays allow GrowControl™ “mini” systems to switch power on or off to equipment. Intelligent relays feature microprocessor-based control with MODBUS capabilities, relay cycle counts, optional WiFi connectivity and more.

**RX Series**

RXi relays feature 120V receptacles controlled by independent relays for plug operated equipment.

**RD Series**

RDi relays have independent dry-contacts for HVAC, irrigation, contactor panels and more.

**MX Series**

MXi motor control relays operate reversible motors for shade cloths, ridge vents, side wall motors, etc.

**RX1i Intelligent Single Outlet Relay**

**120V Controlled Outlet | Plug into Wall Outlet**

Convenient single relay-controlled outlet to be operated by GrowControl™ cultivation control systems. Control any piece of equipment up to 12A/120V. Red LED indicator light turns on when AC power is activated to the receptacle. RX1i can be located in any standard wall outlet and easily moved as needed.

Digital GrowNET port allows MODBUS protocol control on RS485 bus networks for custom applications.

UL flame rated enclosure & fully grounded for safety. Made in USA.

RX1i Digital Intelligent Single Outlet Relay, 120V 12A

RX1i $149.00

UPC: 813474021521 0.6 lb (5x3x3)

**RX4i Intelligent Quad Outlet Relay**

**Four 120V Outlets | Independent Relays | LED Indicators**

Convenient quad relay-controlled outlet module. Control equipment up to 15A/120V. Red LED indicator lights turn on when AC power is activated to the receptacles. RX4i can be ordered with the power cord kit for connection to any 120V wall outlet, or can be hard wired using the standard 1/2” EMT knock-outs for conduit.

Digital GrowNET port allows MODBUS protocol control on RS485 bus networks for custom applications. Internal memory logs the life cycle count on each relay.

Made in USA.

RX4i Digital Intelligent Quad Outlet Relay, 120V 15A

RX4i $349.00

UPC: 813474020722 3 lb (7x6x2)

Options

120V/15A 6ft 14AWG Power Cord Kit

CAB-120 +$44.00

UPC: 813474021484 2 lb (8x5x5)
RD8i Intelligent Dry Contact Relay

**Eight Dry Contact Points | Contactors | HVAC | Irrigation**

Versatile eight relay-controlled dry-contact terminal module. Control equipment up to 10A/120V per terminal. Designed for integration with contactor panels for lighting and high current equipment, HVAC signals, irrigations solenoids, etc.

Red LED indicator lights turn on when relay coils are activated and contacts are closed. Includes standard 1/2” EMT knock-outs for conduit installation.

Digital GrowNET port allows MODBUS protocol control on RS485 bus networks for custom applications. Internal memory logs the life cycle count on each relay.

Made in USA.

**RD8i Digital Intelligent Eight Contact Relay, 120V 10A**  
RD8i  
$349.00

UPC: 813474020739 3 lb (7x6x3)

MX1i Intelligent Motor Relay

**Forward / Reverse Control | Ridge Vents | Roll-ups | Curtains**

Tough and intelligent reversible motor controller for AC or DC motors. Control motors up to 8A/120V. Designed for control of ridge vent, roll-up and shade cloth gear motors.

Selector knob on front of relay allows automatic operation, manual operation or off mode. Red LED indicator lights turn on when forward or reverse relays are activated. Built-in 3-second delay prevents accidental damage to motors. Internal memory logs the life cycle count on each relay. Includes standard 1/2” EMT knock-outs for conduit installation.

Digital GrowNET port allows MODBUS protocol control on RS485 bus networks for custom applications.

Made in USA.

**MX1i AC Digital Intelligent Motor Relay, 120Vac, 8A**  
MX1i-AC  
$399.00

UPC: 813474020746 3 lb (7x6x3)

**MX1i DC Digital Intelligent Motor Relay, 30Vdc, 8A**  
MX1i-DC  
$399.00

UPC: 813474020753 3 lb (7x6x3)
Link Modules

LX1 USB AgrowLINK

USB to PC Link | Free Software

LX1 USB AgrowLINK connects Agrowtek’s GrowNET sensors, relays or dosing pumps directly to a computer. Free PC software displays real-time sensor readings, downloads and configures data logging history from the sensor, allows on-board calibration, basic email alerts and more!

Connects to any Agrowtek device with a GrowNET port. Use the simple update software to upgrade device firmware in seconds when new features are added! Includes USB & GrowNET cable. Made in USA.

LX1 USB AgrowLINK
UPC: 813474020869 1 lb (4x4x2)

LX1 USB AgrowLINK
LX1 $79.00

LX2 ModLINK™ for RS-485 MODBUS RTU

GrowNET Port | RS-485/RS422 | MODBUS

LX2 ModLINK connects Agrowtek’s intelligent devices equipped with a GrowNET™ port to a standard RS-485 serial bus for use with the industrial MODBUS RTU protocol. Ruggedized 15kV ESD rated input terminals with 70V fault protection to protect against damage from wiring errors and short circuits. The LX2 can be connected to HX8 GrowNET hubs to connect multiple GrowNET™ sensors, peristaltic pumps, and relays to the ModLINK™ interface. All GrowNET™ connections use standard RJ45 / Cat5 Ethernet Cable for easy installation. LX1 USB link may be used to configure alternate serial communication settings. Made in USA.

LX2 ModLINK
UPC: 813474020883 1 lb (4x4x2)

LX2 ModLINK
LX2 $79.00

LX3 Analog DinLINK

MiniDIN port Break-out | 4-20mA

LX3 Analog Sensor Link is a 1:1 terminal block break-out board for Agrowtek’s 4-20mA 6-pin mini-din connectors and cables.

LX3 provides a simple and convenient way to connect Agrowtek’s sensors to PLC systems without fabricating a custom cable. Includes 15ft MiniDin6 cable. Made in USA.

LX3 DinLINK
UPC: 813474020531 1 lb (4x4x2)

LX3 DinLINK
LX3 $59.00
**GrowNET™ Hubs**

GrowNET hubs expand the GrowNET digital communication bus with additional device ports. GrowNET hubs operate on industrial full-duplex topology at high speed and are compatible with MODBUS applications. Buffered ports provide robust data transmission over long distance and repeated connections.

RJ45 ports allow simple connection to any Agrowtek device with a GrowNET port using standard, straight-through Ethernet cables. A DC jack and wall adapter powers the hub and ports with 24Vdc. Agrowtek’s sensors and relays can be powered directly over the RJ45 connection from a hub.

A ‘master’ upstream port is connected to a device such as the LX1 USB Link or LX2/LX4 ModLINK interface, or even a downstream port on another HX8 hub. Downstream ports then connect to various Agrowtek ‘GrowNET’ devices including sensors, relay and pumps.

**HX8 GrowNET™ 8-Port Hub**

**8-Device Hub**

HX8 GrowNET hub expands any GrowNET master port into 8 more ports! Fully buffered hub provides power to all 8 ports using the DC power jack for Power-Over-GrowNET to sensors and relays for easy, single-cable connections to the devices.

Ideal for installation in each room of a facility to connect multiple devices to a single cat5 cable. Hubs can be daisy chained as required by connecting the upstream port into another HX8 downstream port.

Compatible with MODBUS communication.

Made in USA.

**HX8 GrowNET 8-Port Hub**  
HX8 | $199.00
---
UPC: 813474021217  
1 lb (8x5x5)

**HX8 Data Sheet**
Plumbing Manifolds

Plumbing assemblies simplify installations with professional manifolds for sensor probes and chemicals.

**PBX-210 Two-Port Sensor Manifold**

**Simple | Clean | pH/Temp**

PBX-210 integrates two water-tight gland fittings into a 1” PVC manifold for sensing pH and water temperature inline with a recirculating pump. Threaded on both ends to allow easy connection to the PBX-100 series injection manifolds or other plumbing with reliable and servicable connections. Compression glands have a rubber insert that clamps around the probes when tightened. Manifolds make it easy to install and remove probes for calibration and maintenance. Made in USA.

**2-Port Sensor Manifold**

PBX-210 $54.00

**UPC: 813474021323 2 lb (Bag)**

[PBX-210 Data Sheet]

**PBX-310 Three-Port Sensor Manifold**

**Simple | Clean | EC/pH/Temp**

PBX-310 integrates three water-tight gland fittings into a 1” PVC manifold for sensing pH, EC and water temperature inline with a recirculating pump. Threaded on both ends to allow easy connection to the PBX-100 series injection manifolds or other plumbing with reliable and servicable connections. Compression glands have a rubber insert that clamps around the probes when tightened. Manifolds make it easy to install and remove probes for calibration and maintenance. Made in USA.

**3-Port Sensor Manifold**

PBX-310 $60.00

**UPC: 813474020906 2 lb (Bag)**

[PBX-310 Data Sheet]

**PBX-410 Four-Port Sensor Manifold**

**Simple | Clean | EC/pH/ORP/Temp**

PBX-410 integrates four water-tight gland fittings into a 1” PVC manifold for sensing pH, EC, ORP/DO and water temperature inline with a recirculating pump. Threaded on both ends to allow easy connection to the PBX-100 series injection manifolds or other plumbing with reliable and servicable connections. Compression glands have a rubber insert that clamps around the probes when tightened. Manifolds make it easy to install and remove probes for calibration and maintenance. Made in USA.

**4-Port Sensor Manifold**

PBX-410 $69.00

**UPC: 813474020913 2 lb (Bag)**

[PBX-410 Data Sheet]
PBX-100 Series Chemical Injection Manifolds

Simple | Clean | Professional

PBX-100 series manifolds are simple multi-port manifold for connecting AgrowDose peristaltic dosing pumps into a recirculating line for injecting chemicals (nutrients, pH buffers) into a stock tank.

1” NPT PVC manifold with Nylon 3/16” barbs. Designed for use with a PBX-310 or PBX-410 sensor manifold. Made in USA.

<table>
<thead>
<tr>
<th>2-Port Chemical Injection Manifold</th>
<th>PBX-102</th>
<th>$35.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPC: 813474021224</td>
<td>1 lb (Bag)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>4-Port Chemical Injection Manifold</th>
<th>PBX-104</th>
<th>$40.00</th>
</tr>
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<tr>
<td>UPC: 813474020890</td>
<td>1 lb (Bag)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>5-Port Chemical Injection Manifold</th>
<th>PBX-105</th>
<th>$43.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPC: 813474021279</td>
<td>1 lb (Bag)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6-Port Chemical Injection Manifold</th>
<th>PBX-106</th>
<th>$46.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPC: 813474021286</td>
<td>1 lb (Bag)</td>
<td></td>
</tr>
</tbody>
</table>

PBX-100 Data Sheet

Water Valves

High quality water valves for irrigation and flow control.

VX1 Water Solenoid Valve

Simple | Clean | Professional

VX1 high quality water valve features self-cleaning diaphagms and seals and a fail-safe self-sealing design in the even of a valve failure to prevent accidental flooding of tanks and rooms.

For use with SXL Liquid Level Control kits.

Made in USA.

<table>
<thead>
<tr>
<th>VX1 1” NPT Water Solenoid Valve, 20gpm 150psi</th>
<th>VX1</th>
<th>$59.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPC: 813474021491</td>
<td>2 lb (8x5x5)</td>
<td></td>
</tr>
</tbody>
</table>
## Replacement Sensors & Probes

High quality original replacement probes and sensors.

### Temperature Probe
-20 to 60°C | 3ft

Stainless steel probe, 1/4” diameter x 3” with 3ft lead. Made in USA.

<table>
<thead>
<tr>
<th>Temperature Probe</th>
<th>SX-T</th>
<th>$36.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPC: 813474020166</td>
<td>0.2 lb (Clear Bag)</td>
<td></td>
</tr>
</tbody>
</table>

### pH Probe
0 - 14 pH  | 3ft  | BNC Connection

High quality pH sensor probe for SXH and SXHM transmitters. Made in USA.

<table>
<thead>
<tr>
<th>pH Probe</th>
<th>SX-PH</th>
<th>$75.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPC: 813474020142</td>
<td>0.2 lb (Clear Bag)</td>
<td></td>
</tr>
</tbody>
</table>

### Conductivity (EC) Probe
0 - 5000 uS  | 3ft  | Tinned Leads

High quality electrical conductivity sensor probe for SXH and SXHM transmitters. Made in USA.

<table>
<thead>
<tr>
<th>EC Probe</th>
<th>SX-EC</th>
<th>$119.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPC: 813474020159</td>
<td>0.2 lb (Clear Bag)</td>
<td></td>
</tr>
</tbody>
</table>

### Oxidation Reduction Potential (ORP) Probe
-1000 to +1000 mV  | 3ft  | BNC Connection

High quality ORP (Redox) sensor probe for SXH and SXHM transmitters. Made in USA.

<table>
<thead>
<tr>
<th>ORP Probe</th>
<th>SX-ORP</th>
<th>$119.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPC: 813474020708</td>
<td>0.2 lb (Clear Bag)</td>
<td></td>
</tr>
</tbody>
</table>

### Dissolved Oxygen (DO) Probe
0 - 20 mg/L  | 3ft  | BNC Connection

High quality galvanic DO sensor probe for SXH and SXHM transmitters. Made in USA.

<table>
<thead>
<tr>
<th>DO Probe</th>
<th>SX-DO</th>
<th>$259.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPC: 813474020715</td>
<td>0.2 lb (Clear Bag)</td>
<td></td>
</tr>
</tbody>
</table>
Wind Speed Anemometer

0 - 125mph | 25ft Cable | Mounting Bracket

High quality wind speed anemometer sensor for SXW weather station transmitters. Made in USA.

SX-A Wind Speed Anemometer
 SX-SPD $149.00
UPC: 813474020463  1 lb (Clear Bag)

Wind Vane Direction Sensor

0 - 359° | 25ft Cable | Mounting Bracket

High quality electronic wind direction vane sensor for SXW weather station transmitters. Made in USA.

SX-V Wind Direction Sensor
 SX-DIR $249.00
UPC: 813474020470  1 lb (Clear Bag)

Parts & Accessories

Service parts & accessory items for Agrowtek products.

Sensor Fan, Aspirator

Quiet | High Performance

Original quiet and compact aspirator fan for SXC, SXE and SXW environment sensors.

Sensor Fan
 SX-FAN $15.00
UPC: 813474021101  0.1 lb (2x2x2)

Fan Air Filter

Replaceable | Washable

Replacement filter element for aspirator fans.

Fan Air Filter
 SX-FLT $2.00
UPC: 813474021118  0.1 lb (Clear Bag)
**Power Supply**

**Replacement OEM Class II UL Listed Power Supplies**

Replacement DC switch-mode power supplies for Agrowtek products.

All power supplies are UL listed class II power supply devices with standard 120V wall plug.

<table>
<thead>
<tr>
<th>Power Supply Details</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12Vdc, 1A Power Supply for Dosing Pumps</td>
<td>PSU-12X1000</td>
<td>$29.00</td>
</tr>
<tr>
<td>24Vdc, 0.5A Power Supply for Relays</td>
<td>PSU-24X500</td>
<td>$29.00</td>
</tr>
<tr>
<td>24Vdc, 2.5A PSU for GC-Pro/XL</td>
<td>PSU-24X2500</td>
<td>$99.00</td>
</tr>
</tbody>
</table>

**Sensor Probe Gland**

1/2” NPT Fittings for Tee Installation

Install pH, EC, ORP and temperature probes directly inline with your feed pump, or into a dedicated recalculating line for best accuracy and longevity. Threaded 1/2” NPT fitting installs into threaded pipe fitting and probe is compression sealed with a Buna-N rubber seal.

<table>
<thead>
<tr>
<th>Probe Details</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” I.D. Probe Gland (pH, EC, ORP probes)</td>
<td>GND-50</td>
<td>$5.00</td>
</tr>
<tr>
<td>1/4” I.D. Probe Gland (temperature probes)</td>
<td>GND-25</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

**GrowNET (cat5e) Patch Cables**

Cat5e | RJ45 Connectors

Straight-through cat5e cables for GrowNET port connections. High quality cables are available in various lengths for connecting GrowNET enabled sensors, relays, pumps, etc. Black, 30AWG UTP Cat5e.

Style may vary slightly from image.

<table>
<thead>
<tr>
<th>Cable Details</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>GrowNET Patch Cable, 20ft</td>
<td>CAB-GX20</td>
<td>$6.00</td>
</tr>
<tr>
<td>GrowNET Patch Cable, 50ft</td>
<td>CAB-GX50</td>
<td>$15.00</td>
</tr>
<tr>
<td>GrowNET Patch Cable, 100ft</td>
<td>CAB-GX100</td>
<td>$30.00</td>
</tr>
</tbody>
</table>

**GrowNET Cross-Over Adapter**

For Mini Control Systems

A GrowNET cross-over adapter is required when connecting Agrowtek’s intelligent sensors and relays in a mini-control system. The cross-over kit (included with mini-control system kits) has a 6” pigtail cable and cross-over adapter for use with standard GrowNET (cat5e) cables.

<table>
<thead>
<tr>
<th>Kit Details</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>GrowNET Cross-Over Kit</td>
<td>CAB-GXO</td>
<td>$6.00</td>
</tr>
</tbody>
</table>
### GrowNET Port Cover

**Dust | Moisture Protection**

Cover un-used GrowNET ports in SXH/SXHM sensors or GrowNET multi-port hubs.

Covers fit snugly onto the port pocket and seal against dust and moisture.

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>GrowNET Port Cover</td>
<td>GNP-1</td>
<td>$1.00</td>
</tr>
<tr>
<td>GrowNET Port Cover, 10-Pack</td>
<td>GNP-10</td>
<td>$8.00</td>
</tr>
</tbody>
</table>

### DIN Rail Mounting Kit

**Includes Brackets & Screws**

Mount Agrowtek’s precision SXH & SXHM hydroponics transmitters, HX8 hubs, LX modules and more to DIN rail with this convenient kit. Includes two (2) snap-on brackets and two (2) thread-forming screws for mounting to the brackets. *DIN rail not included.***

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIN Rail Bracket Kit</td>
<td>DIN-K</td>
<td>$6.00</td>
</tr>
</tbody>
</table>

### Weatherproof Enclosure for GC-Pro/XL

**Weatherproof | Clear Hinged Cover | Latched**

Protect your GrowControl™ GC-Pro control system from dirt, dust, water, mild acids and sunlight. Clear hinged cover offers easy access while protecting the controls with NEMA 4X / IP66 ingress protection. Polycarbonate construction is corrosion proof. Includes sheet metal rear panel. Made in USA.

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weatherproof Enclosure, GC-Pro</td>
<td>ENCL-1206</td>
<td>$149.00</td>
</tr>
<tr>
<td>Weatherproof Enclosure, GC-ProXL</td>
<td>ENCL-1412</td>
<td>$159.00</td>
</tr>
</tbody>
</table>

### USB to Serial Converter Cable

**Add a Serial Port to any Windows® Laptop or Tablet**

3ft USB to RS-232 serial adapter cable for connecting GC-Pro/XL control systems to PC's without a serial port. Serial port connection is required for firmware updates and Ethernet port configuration.

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB-Serial Converter Cable</td>
<td>CAB-USBSER</td>
<td>$29.00</td>
</tr>
</tbody>
</table>

### MiniDIN Sensor Cable

**Sensor cable for GC-Pro/XL Systems**

**Replacement Sensor Cable**

Standard 15ft sensor cable with male connector on both ends.

**Extension Cable**

Extension sensor cables with male connector on one end and female connector on the other end. For use with standard male-male sensor cables to extend the distance between the controller and the sensor. May be daisy-chained to 500ft.

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>15ft Sensor Cable</td>
<td>CAB-DIN6-MM15</td>
<td>$8.00</td>
</tr>
<tr>
<td>50ft Sensor Extension Cable</td>
<td>CAB-DIN6-MF50</td>
<td>$18.00</td>
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</table>