

growlink 



## The All-In-One Connect Controller

The world's best all-in-one controller.

Growlink is an agriculture software company that optimizes performance for cutting-edge greenhouses and indoor farms.





# Features

Connect gives cultivators the power to unify irrigation, climate and lighting management all into one system. Rather than needing separate controllers and apps for each part of your operation, bring every device and sensor together with Growlink to reduce cost and time spent switching between different platforms. Smart lighting, AI backed irrigation, advanced Blueprints and many other advanced features make this controller the most feature packed unit available for both greenhouse and indoor growers.



Smart Lighting (DLI, Throttling)



Automatic Remote Firmware Updates



API Interface



SDI-12 Support



Remote Access



Advanced Reporting



Expandable with Metz IO



BACnet MS/TP & IP Support





# Benefits

---

Compact, powerful, and budget-friendly.

Engineered to control a single room or greenhouse area, a variety of inputs and outputs make Connect compatible with most grow equipment. This allows precision growing to be simple and accessible while still being affordable.

## Feature Packed Software

Capable of utilizing Copilot, Blueprints and all Growlink OS2 features.

## Full Room Control

Facilitating light dimming, HVAC, dehumidification, CO<sub>2</sub> management, irrigation and more...

## Built for Expansion

Equipped to integrate 3rd party sensors such as PAR leaf temperature, level sensors and more...



# Equipment Interface

## Sensor Interface:

- ESM2 Climate Sensor
- Terralink Substrate Sensor
- PAR Sensor
- Weather Station
- Flow Meter\*
- 3rd Party 4-20 mA Sensors
- 3rd Party BACnet Sensors
- 3rd Party SDI-12 Sensors
- \* Requires Metz Expansion Module

## Equipment Interface:

- HVAC Set Points
- Fans
- Unit Heaters
- Humidifiers, Dehumidifiers
- CO<sub>2</sub> Solenoid Valves
- Irrigation Solenoid Valves
- Anderson Pumpers
- BACnet Industrial Equipment
- Lighting on/off, dimming, DLI, Throttling



Manuals (Professional Installation Recommended)

Connect Controller Manual – Controller Only

Connect Controller Manual – Commercial Enclosure Version



# Specifications

### Power Requirements

110-240VAC for provided power supply. Check power configuration for your country before powering on equipment.  
Controller accepts 24VDC and must use provided power supply.

### Temperature

Max Operating Temperature: 131°F (55°C)

### Onboard Voltage Outputs

24VAC Maximum: 2.5A  
24VDC Maximum: 5A  
10VDC – Maximum: 1A

### Network Connections

(x1) Ethernet Port (RJ45)

### (x3) Power Bus

Maximum Amperage per Bus: 3A  
Maximum AC Voltage: 38VAC  
Maximum DC Voltage: 48VDC

### (x16) Solid State Relays (SSR)

Maximum Amperage: 3A  
Maximum AC Voltage: 38VAC  
Maximum DC Voltage: 48VDC  
Cycle Life: Near Infinite  
Max Terminal Wire Gauge: 12AWG (2.05mm)

### (x4) Mechanical Relays

Maximum Amperage: 3A  
Maximum AC Voltage: 38VAC  
Maximum DC Voltage: 48VDC  
Estimated Cycle Life: 100,000 Mechanical Cycles  
Max Terminal Wire Gauge: 12AWG (2.05mm)

### (x8) Analog Outputs

0-10VDC Output for Dimming Zone and General Control  
Max current per channel: 200mA  
Max Terminal Wire Gauge: 12AWG (2.05mm)

### (x8) Universal Inputs (UI)

Maximum Voltage: 24VDC  
(Do not connect AC voltage)  
Signals Recognized:  
4-20mA  
0-10VDC  
470-500kΩ Resistive Inputs  
Digital Inputs (3V DC Threshold for On/Off)  
Max Terminal Wire Gauge: 12AWG (2.05mm)

### (x1) SDI-12 Channel

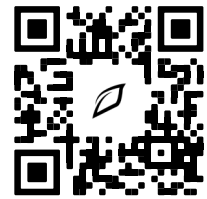
12VDC Output – 750mA Max  
Max SDI-12 Device Count: 36  
Addresses 0-9, and A-Z (Uppercase)  
Max Terminal Wire Gauge: 12AWG (2.05mm)

### (x1) RS485 Serial Port

For BACnet MS/TP Communications only  
Max Terminal Wire Gauge: 12AWG (2.05mm)

### Dimensions

Controller Only: 12.5" x 5.25" x 1.75"  
With Enclosure: 17" x 18" x 9" – 23 lbs.



Connect Controller  
Set Up Guides

Compatible with:  
Growlink OS



**Growlink**

1675 Larimer St., Suite 820

Denver, CO 80202

United States

(800) 432-0160

support@growlink.com

www.growlink.ag

