

# Link4 Greenhouse Controllers

## iGrow 800 Series



The iGrow 800 Series is an innovative greenhouse controller system, perfect for any grower looking to conveniently monitor and adjust cooling & heating equipment on a 24/7 basis. Armed with up to 32 outputs, the system is designed to help the modern grower transition to a state-of-the-art, interactive growing experience. Plus, in keeping with mobile trends, the iGrow 800 can grant remote access to track energy use and adjust settings from anywhere in the world – via smartphone, tablet, laptop, or PC. No additional software required!

**\*iGrow 800 controllers include a temperature probe sensor and 50' of unshielded cable**

Link4's cloud is a centralized internet database in the cloud that all of your controllers are connected to. The cloud allows you to manage multiple controllers that are located in different rooms all from one place, where you can access it either from your browser or smart phone. Your cloud account will give you an easy to use interface to manage your hardware, data, and event notifications. The cloud monitors your controllers in real time, providing information on daylight, temperature, CO2 levels, and amount of humidity. This data is logged and stored for historical analysis. The collected data can then be displayed as a graph to allow the user to monitor their crop's growing conditions.

**iGrow 800 controllers are complete with temperature probe sensor and 50' unshielded cable. Cable lengths over 50' use shielded cable, see page 559.**

## iGrow 1000 Series

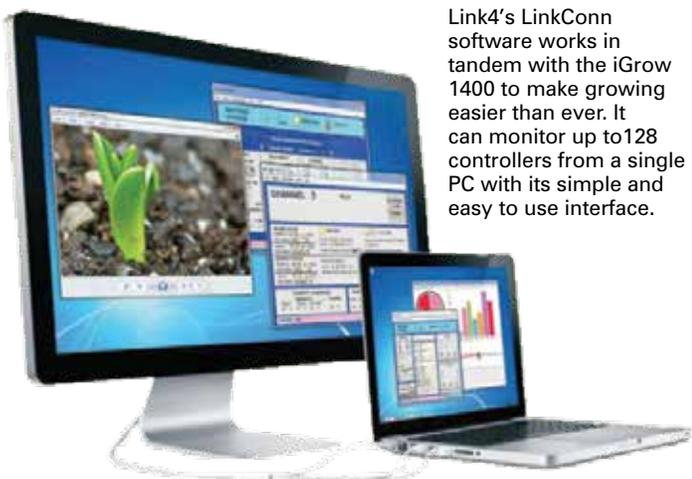


The iGrow 1000 Series is an advanced controller system for the serious grower with plans of expansion and precision improvement. It allows for complete control over all greenhouse equipment, and the customization of energy usage to achieve maximum efficiency. Easy to install, use and maintain, the system is very intuitive and can be directed to make immediate changes to input/output settings at any time, day or night. The iGrow 1000 Series also works as an effective irrigation controller, which helps cut out the unwanted cost of purchasing additional equipment.

The iGrow 1400 & iGrow 1800 includes Digital Temperature and Humidity Sensor with 100' shielded cable. Meanwhile, the iGrow 1800 ramps things up even further with its advanced, Link4 Weather Station humidity control, and the additional capabilities to perform DLI (daily light integral), and VPD (vapor pressure deficit) irrigation.

\*Controller only. Contactor panel is not included and ordered separately.

## LinkConn Software



Link4's LinkConn software works in tandem with the iGrow 1400 to make growing easier than ever. It can monitor up to 128 controllers from a single PC with its simple and easy to use interface.

## Custom Integrated Contactor Panels

Our UL listed integrated panels and iGrow controllers work in tandem to provide an easy to use, cost-effective, quality system for a more efficient operation. Growers can gain complete control over equipment from wherever they may roam via smart, simple monitoring of up to 128 controllers from a single PC. Link4 designs and builds all of our panels to work efficiently with our greenhouse controllers, making integration seamless and keeping costs low. All panels come pre-wired and pre-tested in order to ensure top quality. With an Integrated Panel, you can wire high voltage directly into the box for immediate use!



# Link4 Greenhouse Controllers

## iPonic - Hydroponic Controller

### Complete Control from Anywhere!

The iPonic 614 is the ultimate grow room controller. Fully programmable, growers can use it to monitor and coordinate ALL greenhouse elements, such as CO2 output, lighting panels, dehumidifiers, irrigation pumps, fans, and more. Access the system from any device, anywhere in the world, using the iPonic Cloud Service, and make changes on the fly! \*\*Internet connection required. iPonic 614 is one zone control, iPonic 624 is two zone control.

\*iPonic 614 Hydroponic Controller includes bundled D.I.S.M. Digital Sensor Module



## iDrive Motor Controllers

Powerful vent, curtain and motor controls that's easy to install and easier to use

When ordering the iDrive 300, adjust the part # to match your desired specifications - SEE CHART TO THE RIGHT:

970-XXYZ-AAM

xx = voltage (00 - selectable 120/208/230VAC, 48 - 480VAC)

y = phase (1 - single, 3 - three phase)

aa = thermal overload:

04 = .25 - 0.4A	16 = 1.0 - 1.6A	60 = 4.0 - 6.0A	91 = 7.0 - 9.0A
06 = 0.4 - .63A	25 = 1.6 - 2.5A	80 = 5.0 - 8.0A	93 = 9.0 - 10.0A
10 = .63 - 1.0A	40 = 2.5 - 4.0A	90 = 6.0 - 9.0A	96 = 12.0 - 16.0A

Example 1: 970-0033-60s = 208V, 3 Phase, 3 wire, 4.0 - 6.0A Overload, Slave

Example 2: 970-0013-80m = 120V, 1 Phase, 3 wire, 5.0-8.0A Overload, Master

All Link4 Motor Controllers are UL and cUL approved



## Accessories

From communications and expansion modules to standard contactor panels, Link4 has all the accessories to maximize your control and networking capabilities.

The Weather Station will measure temperature, relative humidity, solar irradiance, wind speed and direction, as well as detect precipitation and rain. All sensors have an operational range of -40°F to 185°F (-40°C to 85°C). Compatible with Link4's iGrow 100 Series and the iGrow 1000 Series Environmental Controllers, all measurements from the Weather Station can be measured, calibrated (if needed), data logged, and controlled using one of Link4's innovative climate controllers

*Link4's state-of-the-art environmental management systems allow growers complete, customized control over water and energy usage, growing environment, labor costs, and productivity. By offering better and more advanced environmental management products to growers, Link4 is bringing the greenhouse and horticultural industries into the 21st century and beyond.*

When ordering the iDrive 300, adjust the part # to match your desired specifications:

970-XXYZ-AAM

xx = voltage (00 - selectable 120/208/230VAC, 48 - 480VAC)

y = phase

(1 - single, 3 - three phase)



\* Price per foot (for light sensors, temperature probes and networking)

\*\* Price per foot (for digital temperature and humidity sensor)

\*\*\* Price per foot (for weather station)

Weather Station w/ Anemometer