

iGROW® 1800 SERIES

ADVANCED GREENHOUSE CONTROLLER SYSTEM



Vapor Pressure Deficit



Daily Light Integral



Temperature



Humidity



Irrigation



Sensor



Cloud



Email/Text Notifications



LINKCONN® Compatible



MAXIMUM YIELD - MINIMUM EFFORT

Backed by unparalleled service and support, the iGrow 1800 offers remarkable flexibility and security, as well as a wide variety of advanced features. The iGrow 1800 offers the finest in outdoor greenhouse and indoor hydroponics experience. It provides remarkable flexibility and security, as well as a wide range of advanced features, backed by unprecedented service and support. Discover the benefits of a system that combines sophisticated precision control with ease of use through a simple interface. With the iGrow 1800, you can increase productivity while reducing energy use and operating costs. Contact us today and discover the smarter way to grow.

WHY iGROW 1800?

■ Smart Irrigation

The iGrow 1800 uses a VPD (Vapor Pressure Deficit) feeding system. VPD saves nutrients by preventing over-watering and makes sure the plants always have as much water as they need. This is a unique benefit as it is designed to conserve water.

■ Smart Lighting (Daily Light Integral)

The iGrow 1800 offers DLI intelligence. DLI intelligence controls your greenhouse's grown lights to give the exact amount of light needed for success. DLI intelligence conserves energy by using sunlight whenever possible.

■ Custom Controls

The iGrow's 1800 conditional controls are flexible and user definable to control conditions to fit your unique growing requirements.

iGROW SERIES COMPARISON CHART

	<i>iGrow 800</i>	<i>iGrow 1400</i>	<i>iGrow 1800</i>
CONTROLLER FEATURES hardware & software equipment dexterity			
Max Number of 24VAC Intelligently Controlled Outputs	32	48	144
Maximum Zones per Network	∞	64	64
Temperature & Humidity	●	●	●
Manual Override Switches	●	●	●
Networking and Internet Connectivity Capability	◐	◐	◐
Cloud Access	●		●
Controller History and Data Logging	●	●	●
OUTPUT TYPES equipment interface			
Lighting Controls	●	●	●
On/Off Cooling and Heating Equipment	●	●	●
Vents/Shades & Curtains	●	●	●
Misting & Fogging	●	●	●
CO ₂		●	●
Cyclical Irrigation		●	●
Accumulated Light Irrigation		●	●
Intelligent Irrigation with Moisture Sensor		●	●
Boiler Control			
SPECIAL FEATURES unique capabilities & extraordinary considerations			
Built-in SmartCool Predictive Cooling Technology		●	●
Up to Five Configurable Micro-Zones		●	●
Advanced Master Pump Control Options			●
iDoser			●
Positive Pressure Control			●
Daily Light Integral (DLI) Lighting Mode			●
Vapor Pressure Deficit (VPD) Irrigation			●
8 Daily Set Points with Drive to Average			●
REMOTE ACCESS system based software controls			
Email/ Text Notification for Alarm Conditions	●		●
Smart Phone Access for Remote Changes to Settings	●	●	●
PC Based Software	●	●	●
Server Based, Database Driven Software Platform			●
Advanced User Differentiated Access Control Software			●
CONDITIONAL CONTROLS for customization of control sequences	0	8	128