

# iGROW 800 SERIES

ADVANCED CONTROLLER SYSTEM

Link4  
CORPORATION

CS-800-01-0622



## DESCRIPTION

The iGrow 800 is designed to meet the environmental control requirements of most standard greenhouse applications.

With 8 standard outputs that can be expanded to 32, the iGrow800 can control the most common equipment found in greenhouses. Typical unit heaters, fans, shutters, vents, curtain systems and pumps can be controlled to meet your custom environmental control and growing schemes.

The built-in logic of the iGrow 800 will allow you to set multiple stages for vents or roll-up walls. This will provide you additional cooling options resulting in greater flexibility and lower energy costs.

Change settings at the controller utilizing the programming panel and manual on - off - auto switches, or connect with the Cloud for remote access and control.

The Cloud offers both remote access with additional functionality, while providing the comfort of knowing you can continually stay connected with the status of your crop's environment. From a remote device, you can monitor, make changes, view reports, download data for analysis and receive alarm notifications. The new Grow Journal allows the grower to electronically capture and sort important notes for each zone that can be stored for future analysis or notification.

With sophisticated vent and environmental control, along with remote accessibility, the iGrow 800 is the perfect choice for most greenhouse applications.

## CONTROLLER FEATURES

STANDARD OUTPUTS	8
EXPANDABLE OUTPUTS	Up to 32
ZONES	1
MAX ZONES / NETWORK	1
NUMBER OF ANALOG INPUTS	1
DIGITAL INPUTS	2
SET POINT PERIODS	3 (Dawn, Day, DIF)
MAXIMUM COOLING STAGES	6
MAXIMUM HEATING STAGES	2
MANUAL OVERRIDE SWITCHES	Yes
PROGRAMMABLE AT PANEL	Yes
ALARM NOTIFICATION	Yes
CLOUD PROGRAMMING	With Subscription
CLOUD DATA GRAPHING	With Subscription
CLOUD DATA REPORTING	With Subscription
CLOUD SECURITY & AUDIT	With Subscription
CLOUD GROW JOURNAL	With Subscription

## GENERAL CONTROLLER INFORMATION

CONTROLLER TYPE	Environmental
PROJECT TYPE	Greenhouse
PROJECT COMPLEXITY	Simple to Standard
PROJECT SIZE	Small to Medium

# "We Make Growing Easier"

INTELLIGENT CLOUD-BASED CONTROL SOLUTIONS

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## SENSOR INTERFACE

ITEM CODE	DESCRIPTION
990-0005-03	Weather Station- Series 100
990-0805-10	DISM Aspirated Sensor: Temp, Hum, CO <sup>2</sup> , Klux
990-0250-00	DigitalTemp & Humidity Sensor
990-0013-01	Temperature Probe- Air: Radiation shield, 2-Wire
990-0002-00	Light Sensor- Solar: Klux (Intensity only)
990-7911-00	Anemometer: Wind Speed & Direction (Controls off Speed)
990-7855-00	Optical Rain Sensor

## SPECIALIZED CAPABILITIES

<b>VPD MONITORING</b>	Yes
<b>VFD CONTROL</b>	With Ramping for pumps, fans, compressors
<b>DIF CONTROL</b>	Yes
<b>ON/OFF LIGHTING</b>	HID, LED, OTHER- 1 time period only
<b>ON/OFF IRRIGATION</b>	Yes- 1 time period only
<b>MISTING / FOGGING</b>	For Humidification
<b>FLOOD / PULSE IRRIGATION</b>	Yes

## EQUIPMENT INTERFACE

<b>ON / OFF COOLING</b>	Pad systems, Coolers, Fans
<b>ON / OFF HEATING</b>	Unit Heaters
<b>HUMIDTY</b>	Calculated, Dehumidifiers, Fog
<b>CO<sup>2</sup></b>	Yes
<b>VENT MOTOR CONTROL</b>	Ridge, wall, pad, roll up walls
<b>SHUTTER MOTORS / ACTUATORS</b>	On / Off
<b>CURTAIN MOTOR CONTROL</b>	Yes- Shade, Blackout
<b>BOILERS</b>	No
<b>PUMPS</b>	Yes (Pad systems)
<b>SOLENOIDS</b>	Yes (on/off)
<b>LIGHTING</b>	HID, LED: On/Off,- Limited
<b>MODBUS INTERFACE</b>	No

## PRODUCT SPECIFICATIONS

ITEM CODE	DESCRIPTION	DIMENSIONS	WT
990-0800-02	iGrow 800 Controller Standalone	xxxxx	xx
Contact Link4	Integrated iGrow 800 Panel with Contactors, Expansion Modules, Sensor & Cabinet	Varies	Varies



*Integrate with the Cloud to enhance your ability to view, control, report and receive alarms remotely.*

