

Let's  think food
forward  

Why IntelliDose?

WHAT DOES IT DO?

- Automatically dose your nutrients to a set recipe
- Run up to 4 irrigation stations
- Set your schedule and forget it
- Monitor and Control remotely using IntelliGrow
- Easy to use
- Works with any nutrient line
- Continually manage pH and EC levels in your reservoir

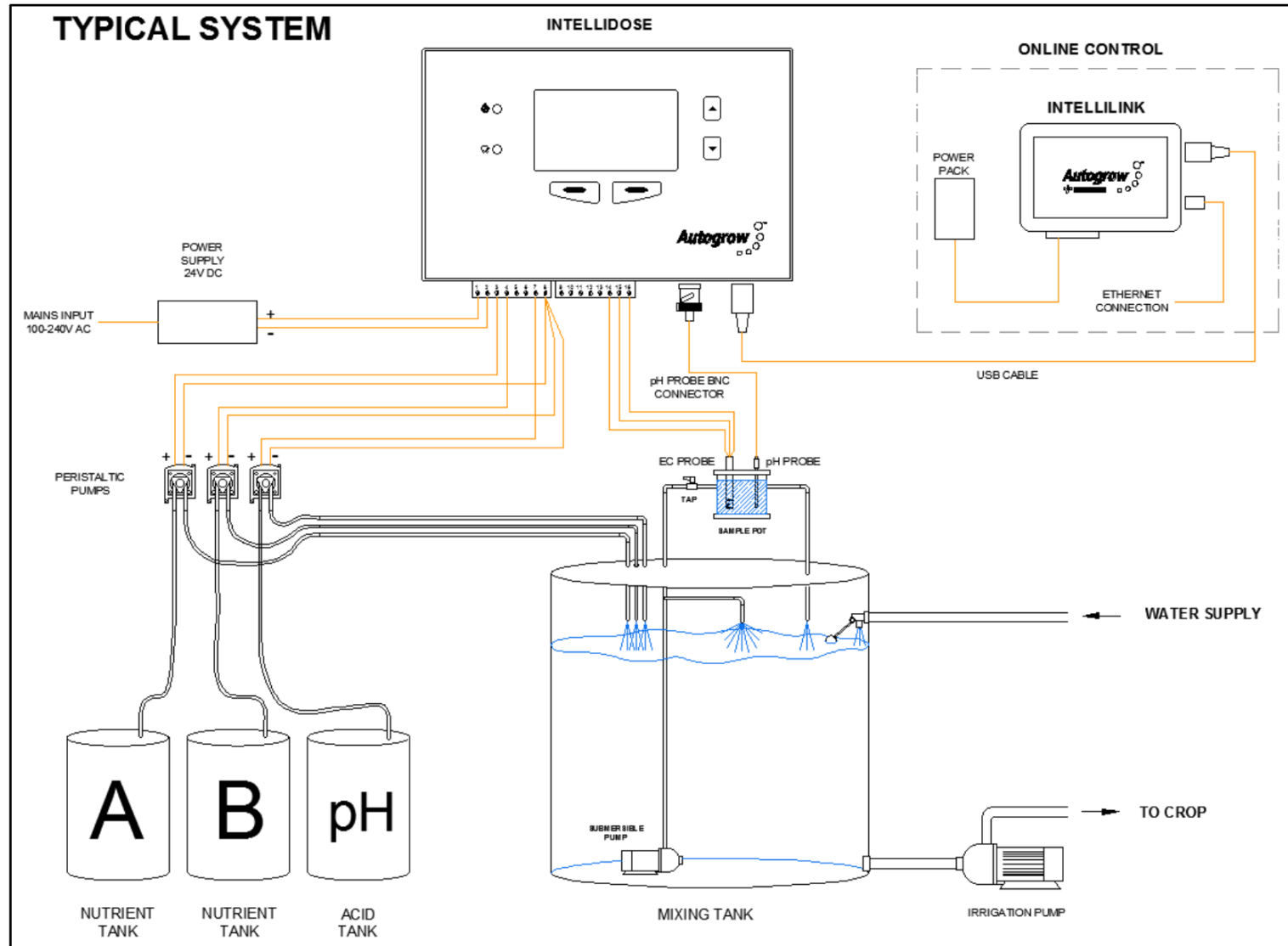


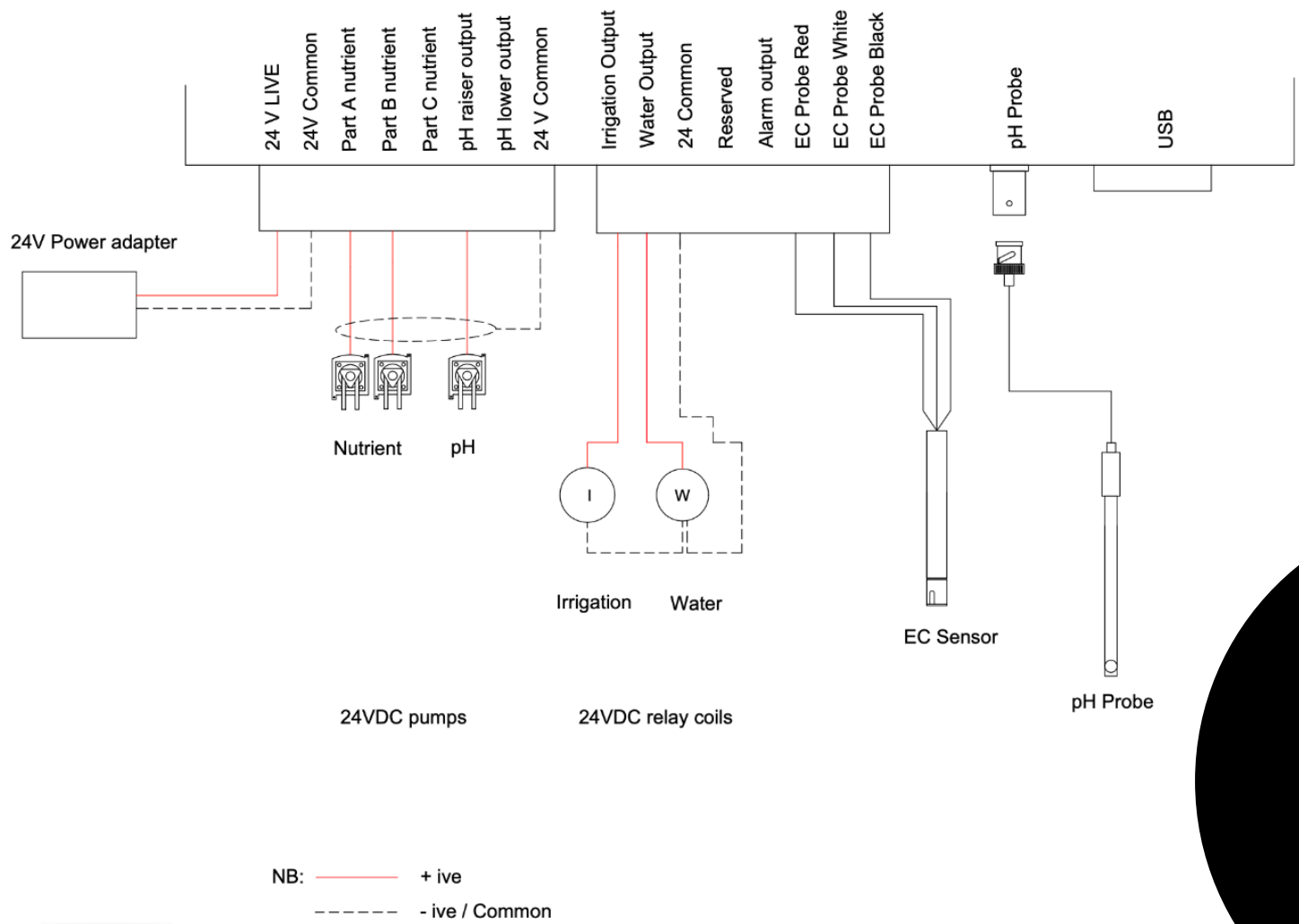
IntelliDose – Technical Specifications



- 9 outputs 24VDC (or same voltage as supplied by plug pack)
- Nutrient measurement units EC, CF or TDS (500/640/700)
- Nutrient resolution to .01mS/cm, 0.1CF
- pH resolution and accuracy - 0.1pH
- pH measurement range 2pH to 12pH
- Dosing shut off
- EC is measured less than 0.1 or greater than 6
- pH is measured less than 4.5 or greater than 8

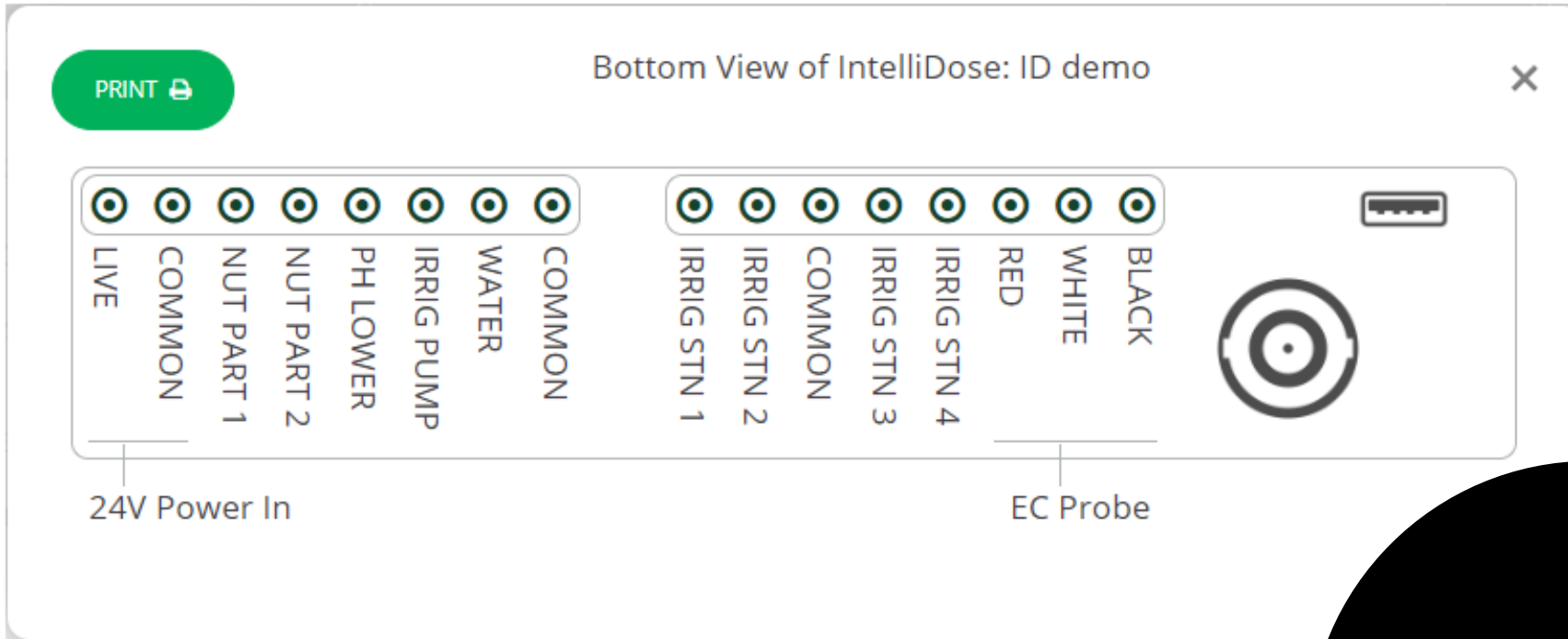
Typical Installation Using Peristaltic Pumps





Typical
Wiring
Diagram

User defined
configuration



Typical Output Assignment via IntelliGrow

Output configuration will automatically change based on selected functions

Why IntelliClimate?



WHAT DOES IT DO?

- **Monitors** temperature, humidity, CO2 and light levels
- **Controls** fans, AC, CO2, heaters, lights, dehumidifiers and humidifiers
- Makes efficient control decisions to keep your climate perfect
- Set your schedule and forget it
- Monitor and Control remotely using IntelliGrow
- Easy to use

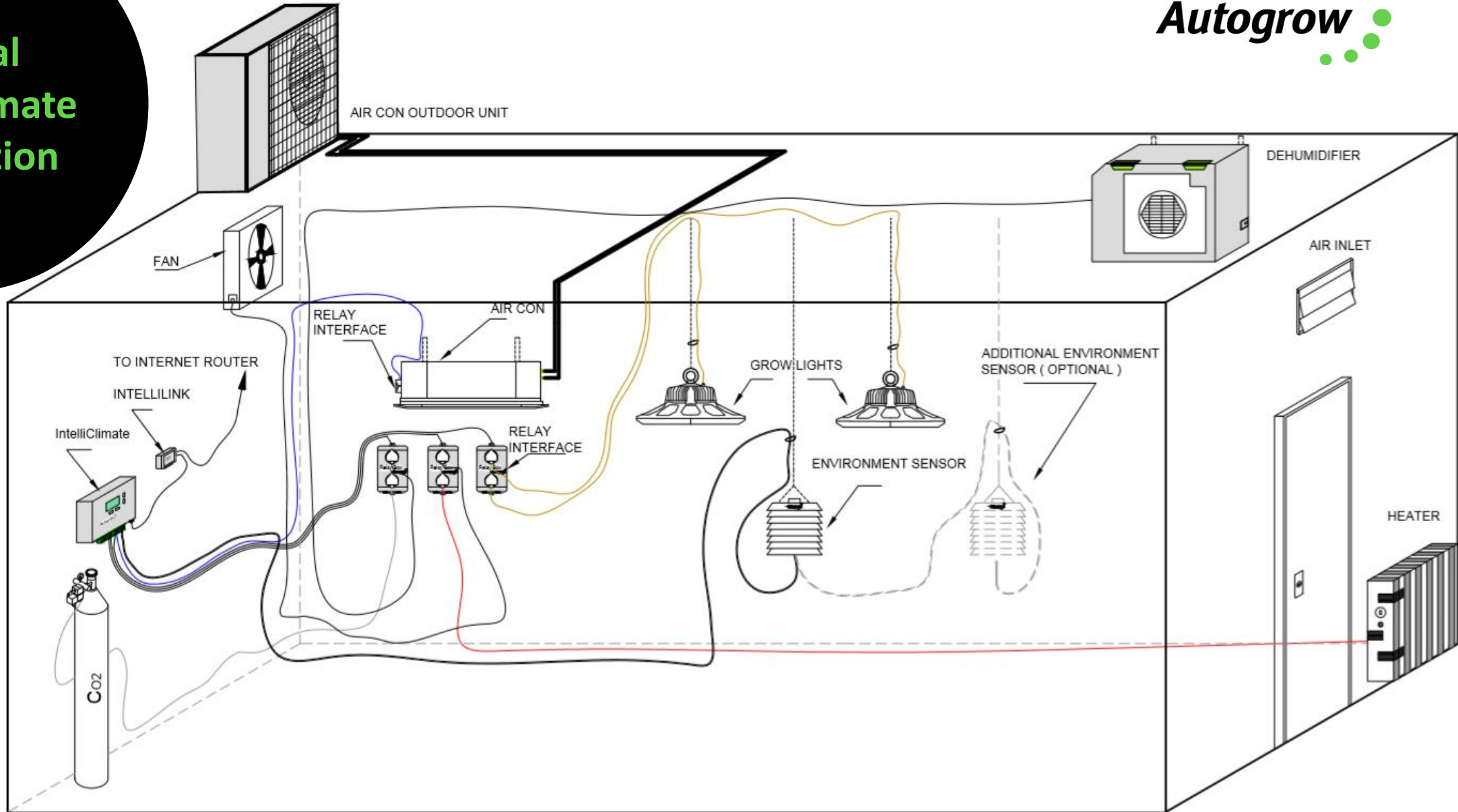


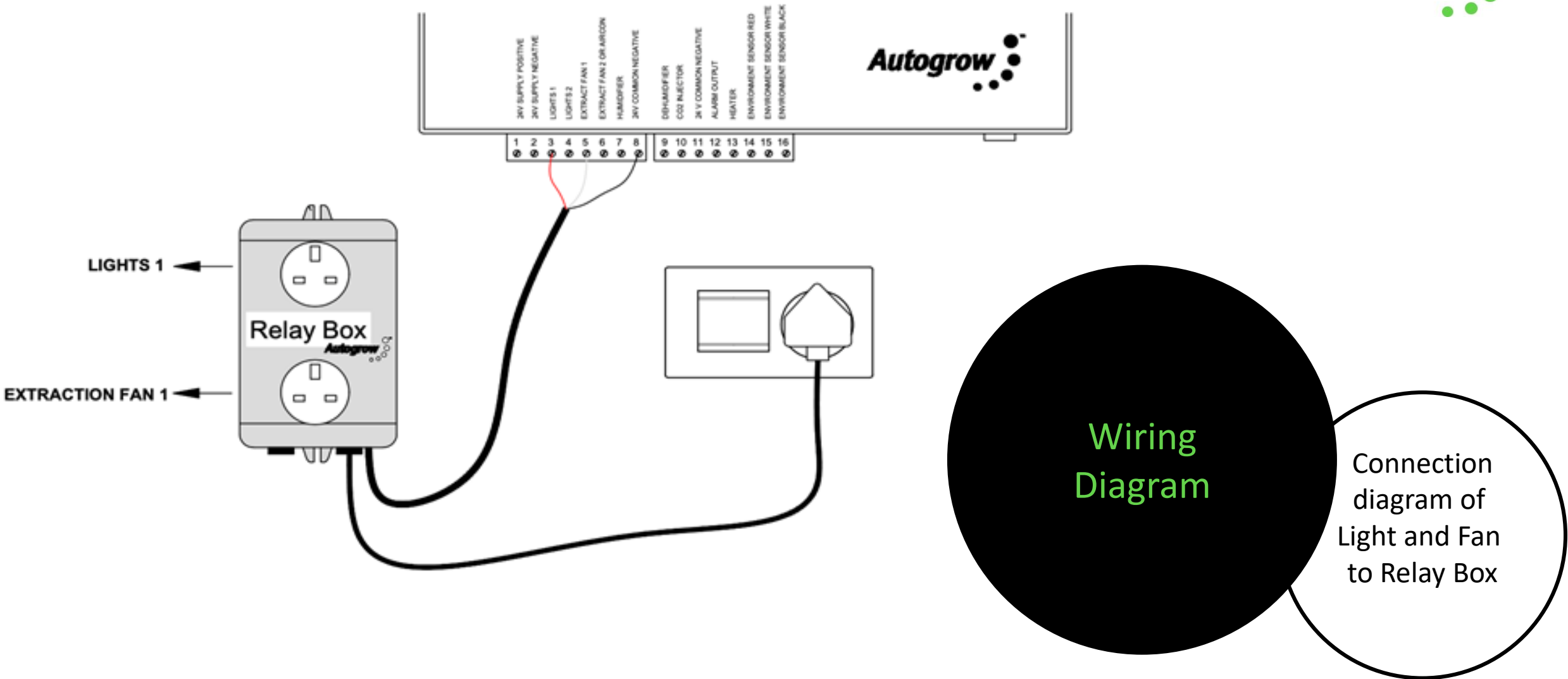
IntelliClimate – Technical Specifications

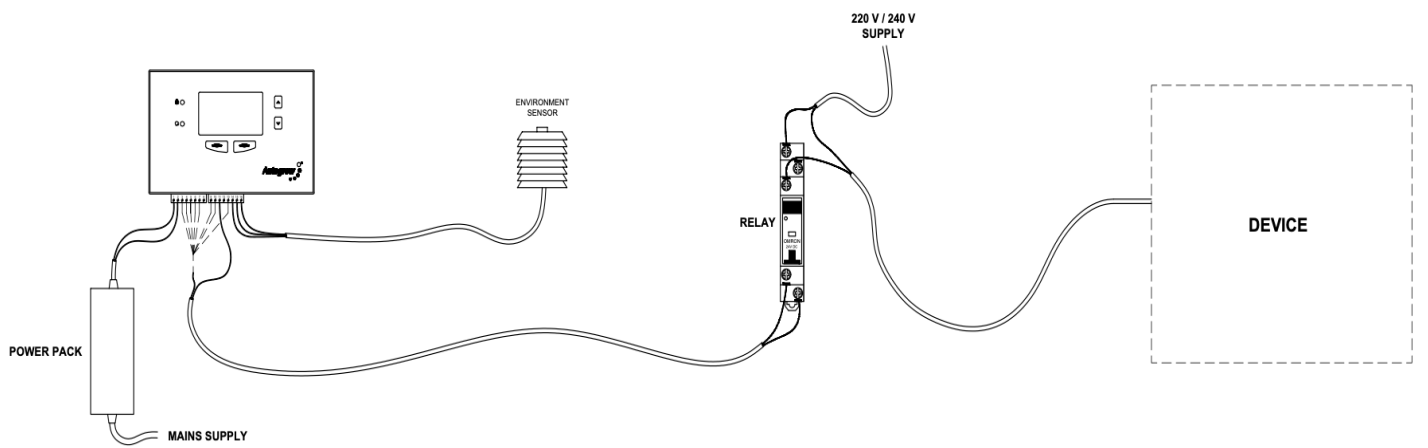
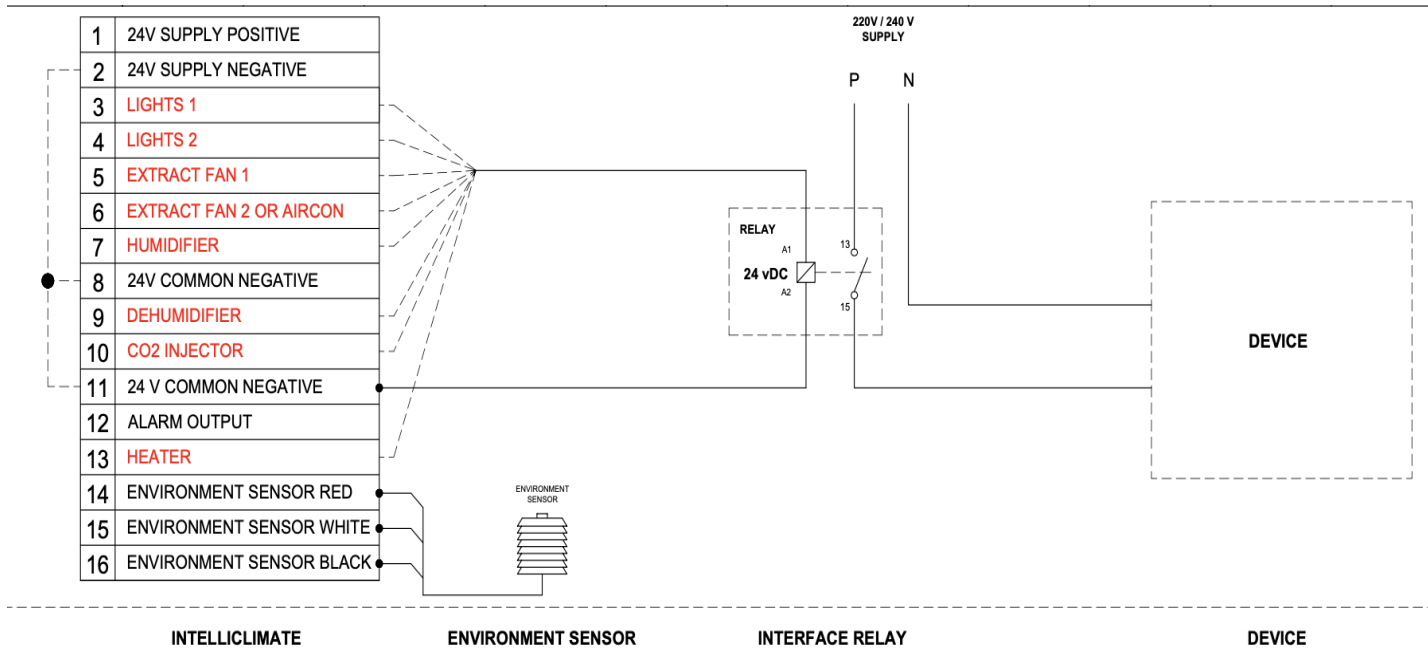


- 9 outputs rated at 24VDC
- RH resolution $\pm 2\%$ and accuracy
- CO2 resolution and accuracy 50ppm
- Temperature resolution and accuracy 0.5°C/32.9°F
- Pre-installed growth stage schedules, if desired

Typical IntelliClimate Installation







Wiring Diagram

Device switching using relay interface

Accessories for Intelli Solution



pH Sensor



EC Sensor



Enviro Sensor



Dosing Pumps



Sample Pot



Twin Relay Box



Why IntelliGrow?

WHAT DOES IT DO?

- Intelli devices are accessible via your web browser or app
- Control your growing operation remotely from your phone, tablet, or computer
- Crop cycle scheduling
- Complete visibility 24 hours a day
- Enables you to manage multiple locations
- Text/Email alerts
- Data logging
- Remote tech support



A screenshot of the Autogrow web application interface. The top navigation bar is dark grey with the Autogrow logo and "Home" on the left, and "(Admin) abijith.shaju@autogrow.com" on the right. The main content area has a light grey background. It features a "Select user" section with the instruction "Choose the user you are administering." and a dropdown menu currently showing "agamerica". Below this is a section titled "agamerica's devices" containing two rows: "IC demo" and "ID demo", each with a calendar icon and a line graph icon. At the bottom of this section is a button labeled "Add Folium Group". In the bottom left corner of the interface, the text "version 2.22.6" is visible.

IntelliGrow- Dosing Data



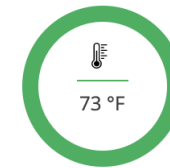
IntelliDose » IDose



EC >



pH >



Nutrient Temp >

CONTROLS

Nutrient Dosing Force On Enable

pH Force On Enable

ALARMS

Irrigation Force On Enable

SET POINTS

Nutrient

Nutrient < 0 mS/cm² >

pH

pH < 6 pH >

pH Dosing pH lower

Mix 1

< 0 % >

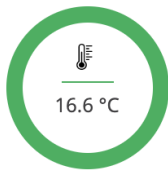
Mix 2

< 0 % >

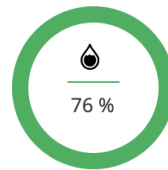
IntelliGrow- Climate Data



IntelliClimate > IClimate



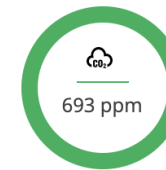
Air temp >



RH >



Light >



CO₂ >

CONTROLS

CO₂ injection Enable

Light Bank 1 Force On Enable

ALARMS

Light Bank 2 Force On Enable

Fogger Force On Enable

SET POINTS

Light	
Light Bank	< None >
Light On	< 09h > < 00m >
Light Duration	< 12h > < 00m >

Relative Humidity	
RH Day	< 60 % >
RH Night	< 60 % >
RH Max	< 80 % >

Temperature	
Day Temp	< 26 °C >
Night Drop	< 5 °C >

CO ₂	
CO ₂	< 750 ppm >

Connecting Intelli range to IntelliGrow

- Option 1 - **IntelliLink**
 - No need for a dedicated on-site computer.
 - Can connect either LAN cable and WiFi 2.4GHz.
- Option 2 – connect to your dedicated onsite laptop or desktop



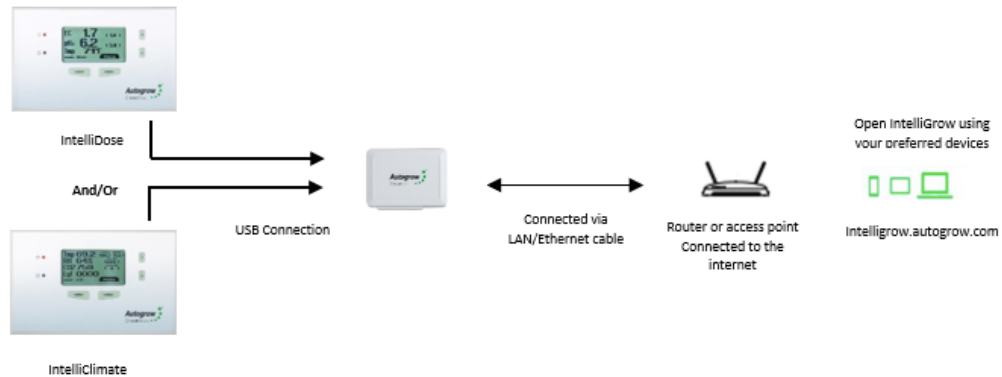
Connecting – Technical Specifications

• IntelliLink

- Typical Consumption NSW
- Power SV 2.5A Micro USB
- Ethernet 10/100 Mbps
- Wireless 2.4 GHz 802.11n

IntelliLink with LAN/Ethernet:

Connecting controller to IntelliGrow account using IntelliLink (via LAN/Ethernet cable)

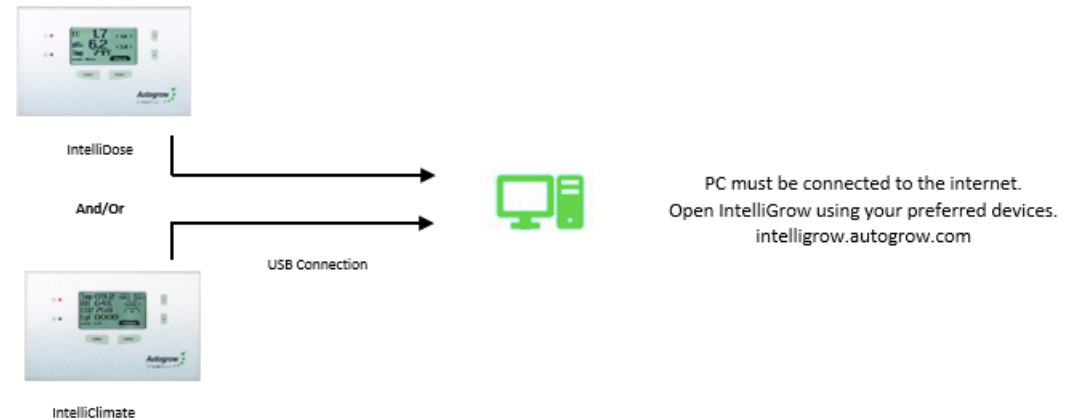


• Connecting to your laptop

- A working PC.
- A USB cable from IntelliDose/IntelliClimate to PC.
- Gateway software. ([PC](#))

Direct Connection with PC:

Installing IntelliGrow Gateway Software on PC



Q & A

Q. How many IntelliDose or IntelliClimate devices can connect to the IntelliLink gateway?

A. There are 4 USB ports available on each IntelliLink. So, a maximum of 4 devices can be connected to an IntelliLink. Note: If you have more than 4 Intelli devices which you need to connect to IntelliGrow, you will need to add more IntelliLink gateways.

Q. Do we really need an IntelliLink/PC to connect the IntelliDose or IntelliClimate to access IntelliGrow via the internet?

A. Yes. The IntelliLink/PC acts as a communication device between the [IntelliGrow website](#) and your IntelliDose or IntelliClimate device. These devices must be connected via USB cable.

Q. Do I have to use the sample pot?

A. Yes. The sample pot provides a consistent low-pressure flow of water; hence the measurements and the readings are more accurate.

Q. Can I put the peristaltic pump lines directly into the irrigation line?

A. No. Peristaltic pumps are intended to be used with a reservoir through continuous or batch dosing.

Q & A

Q. How many Nutrient/Additives can be added to the IntelliDose?

A. You can have 9 different nutrient/additives including pH.

For example, the maximum you could have is A, B, C, D, E, F, G, H and pH.

Q. What are the irrigations systems available in the IntelliDose?

A. Sequential, Independent and different settings for Day and Night

Q. How many stations can be operated using one IntelliDose?

A. 4 Stations (4 irrigation valves), based on the output wiring configuration.

Q. How to schedule the different part solutions?

A. Use the scheduling function from IntelliGrow website. Scheduling is available only upon subscribing to IntelliGrow.

Q. Can we dose pH lower and pH raise with IntelliDose?

A. Yes, pH raise and pH lower can both be installed but you can only dose in one direction at a time.

Q & A

Q. How many EC and pH sensors can connect with the IntelliDose?

A. One EC and one pH probe.

Q. Can we monitor the internal climate of a growroom using the IntelliClimate?

A. Yes, the IntelliClimate comes with an Environment sensor measuring Temp, RH, PAR and CO2.
You can add an additional sensor for greater accuracy.

Q. Can we control the Shades and Vents using an IntelliClimate ?

A. No, Shading and Vent functions cannot be controlled via an IntelliClimate.

Q. What equipment can the IntelliClimate control?

A. Lights, Fan, Air Con, Heater, Humidifier, Dehumidifier and CO2 dispenser.

Q. Is it possible to save the climate and dosing data and download it to a computer?

A. Yes. All data is automatically uploaded to the IntelliGrow hosted environment which can then be exported to Excel *.csv file on the local computer for subscribers only.



Let's talk.

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