



When it comes to the environmental control systems for your greenhouse, there are numerous options. The thing to understand is the environmental controls is far more complex than just your heaters and cooling systems. Every part of your greenhouse plays a role in your environmental control system. The old adage "heating and cooling your greenhouse is the same as heating and cooling the outdoors". This ideal is reinforced by just adding clear panels to any type or non-specifically designed frame. The term greenhouse is loosely used to define any such structure. However, the true definition of the term "greenhouse", as with everything, is much more complex than the name implies.

There are several different greenhouse controller manufacturers. We are only going to cover the actual greenhouse controllers, & not all the random junk that now exists via Chinas' outreach to the USA Cannabis market.

The controllers we cover here, and the tried & true proven systems that all offer some of the same features. There is not a set price for these systems, as they are each custom designed & manufactured to your greenhouses needs. These systems are designed for commercial use, not residential. There are system panels you can purchase from online retailers, but none included the contactor panels which power the equipment. The controllers only send a 24v signal to a contactor panel(typically not included) in which that secondary panel then powers the device or system on.

Custom Panel

Commercial Greenhouse Controllers Typically Can Control your entire greenhouse functions. Lighting systems are typically added additionally or separately due to their power requirements. These Systems are an investment. If you invest in the proper systems initially, you will avoid disasters that will potentially cost you far more.

We highly recommend you do your research if you are sourcing these systems on your own. Below is a list of quality controller manufacturers.



These controllers are not sold in stores, on Amazon, etc. As mentioned above, you can purchase some of the items at grow stores & online, but it would be a waste of money.

Lets' use an automotive analogy: Say you're in the market for a New or used car. You're not quite sure what you're going to buy yet. You see a deal online for wheels & tires that are lower priced that you believe you could purchase them at a later date for. Still not quite sure of what vehicle you're going to purchase, would you buy tires and wheels for your new car before you have even purchased a car yet?

= The same goes with purchasing a control panel without the contractor panel or having your greenhouses interior electrical components ordered/purchased yet. If you're starting a new project, it will start with your project drawings/blueprints. Your electrical is one of the most important decisions you'll make. Its' always better to have too much and not need it, than not have enough. But this is an entirely different topic. In short, make sure you dont wind up putting the proverbial cart before the horse. Control panels are just the brains, and every brain is unique to its' user. Same goes with Greenhouse Controller Systems, & their secondary controllers that control all of the functions in your greenhouse. AWG Inc no longer manufacturers our own Greenhouse Controllers in house, we have partnered with several manufacturers to design Control Systems specific to our greenhouse systems.

**Below is a list of Greenhouse Controller Manufacturers. We highly advise that if you are purchasing one of these systems, that you do so from one of these manufacturers listed below.**

**If you choose to purchase one of these systems from a Chinese online store, that's your prerogative. But don't say we didn't warn you: If you're buying anything from online, especially out of China, we can only**



**repeat ourselves so many times; do your research. We have never heard one happy story in regards to a product purchased from Alibaba, & several other Chinese sales websites.**

**AWG Inc does sell all of these products, & yes we do have our preferred systems for a variety of reasons. So listed below in "specific order"**

**Links 4:** <https://link4controls.com/> (AWG Inc is Stocking distributor)

**Wadsworth Controls:** <https://wadsworthcontrols.com/>

(AWG Inc has a long standing relationship with wadsworth. We are "neighbors" & have been installing selling & servicing their Light Deprivation Systems & Controls for over a decade. Wadsworth is the manufacturer of our custom light dep systems. Collaboratively designed with our Engineers & theirs to save you time, money, & frustration).

**AutoGrow:** <https://autogrow.com/>



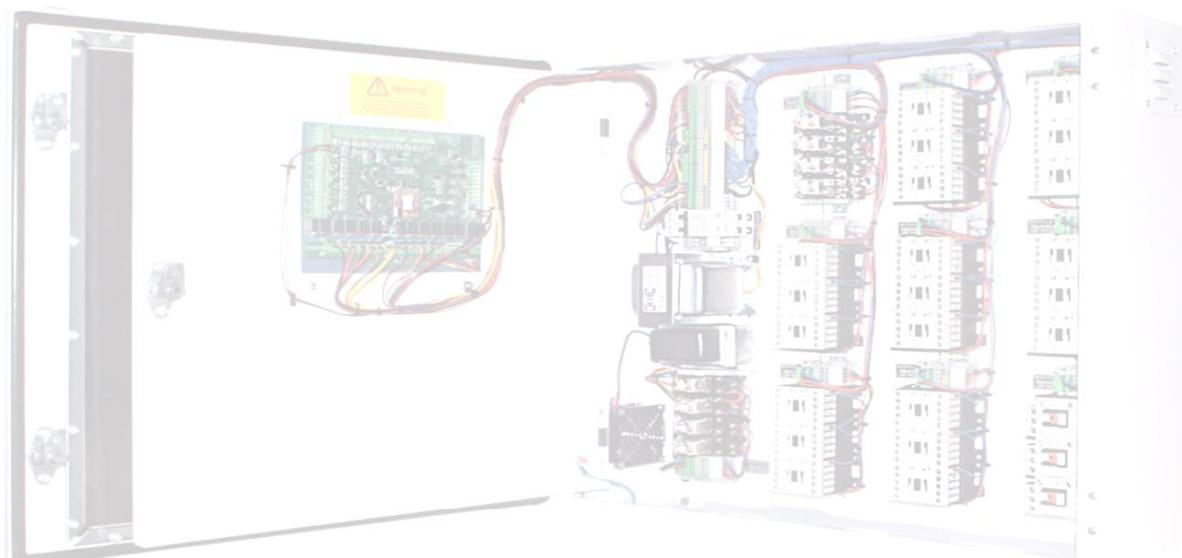
These are your primary "go to guys" for controllers.

**Links 4:** Is just controllers, & it shows in their performance. Every type of controller and system covered in house, Irrigation, water filtration, weather stations, all the contactors, motor controllers, cloud monitored, all the new tech, etc. So when you order one of these systems from AWG for your greenhouse, it is specifically designed & engineered for your specific needs



with everything included. The quickest turn around time, & the best value backed by AWGs 24/7 customer service.

**Wadsworth Controls:** Wadsworth is not just a controls manufacturer; their primary product is their light deprivation/shade systems. AWG Inc utilizes a codesigned light dep systems from Wadsworth for light dep/shade in our greenhouses for projects that call for these systems.



Custom Panel