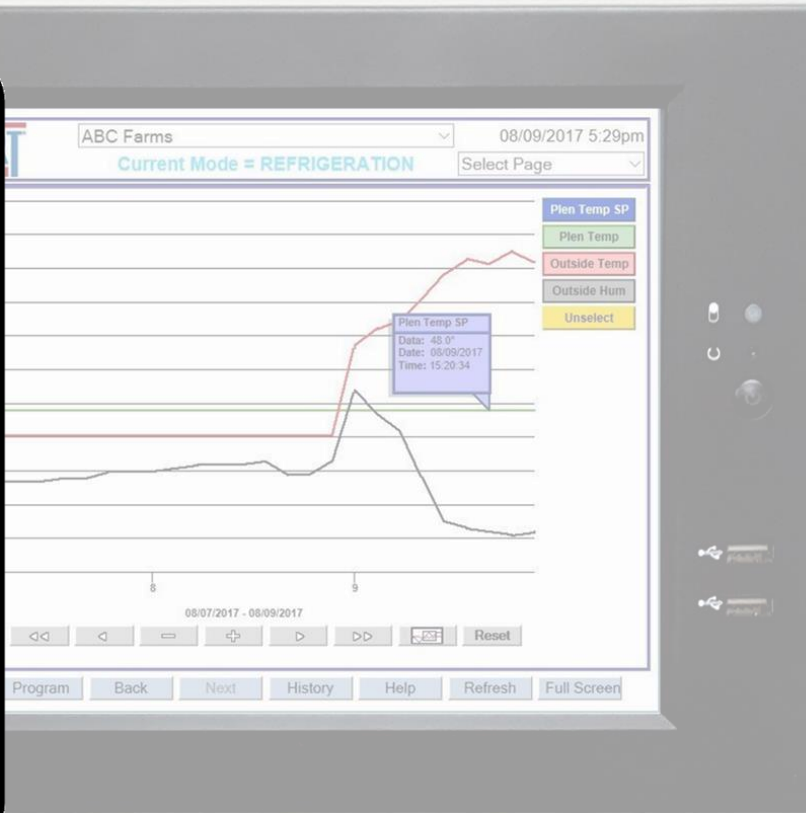
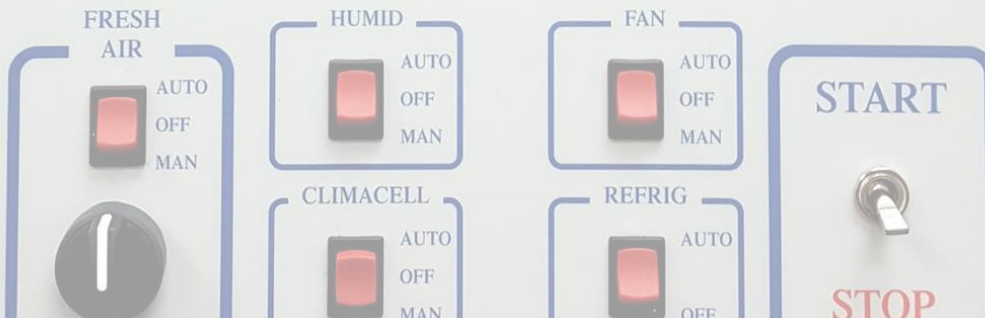


Agri-Star Control Panel



Agri-Star™



CLIMATE CONTROL. WE KNOW HOW.



Agriculture



Potatoes



Onions



Horticulture



Industrial



Dairy



Poultry



Apiary



Food Processing

Agri-Star™ CONTROL PANEL



When Climate Control is necessary for your operation, choose the one who knows – GELLERT! We have almost 60 years of experience applying University-Based Research to real life applications. We bring you the most user-friendly, flexible, technologically advanced equipment controls panels available on the market today.

Our control panels can be utilized in virtually all environments and industries, designed specific to your needs.

Awesome Features

GELLERT manufactures many different models and configurations, fully- adaptable to your environment. We give YOU the ability to control Temperature, Air Flow, Humidity, Lights, CO2 levels, and much more. Our control panels come with a full color, interactive touch screen with easy-to-understand programming and an intuitive app, providing you with 24/7 access to monitoring all features of a system and facility. Historical data is recorded and stored through a powerful graphing program to help provide you with information needed to run a more efficient and effective system.



Marketed globally. Manufactured at home. Trusted everywhere.

AGRI-STAR Model Design

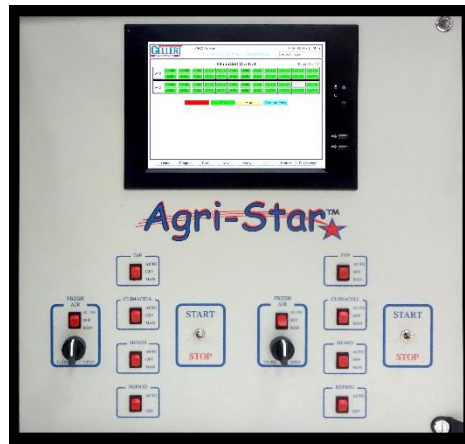
Which Control Panel is right for you?

Agri-Star Control Panel models are designed to be fully-adaptable to your specific storage needs... and can be programmed with as much (or as little) control as you require.



The Standard Model

Our Native Panel comes with an Interactive User-Friendly Touch Screen for Single System Control. It is simple to set up and easy to use. Our GDC (Gellert Door Controller) can be added to this model. Comes internet-ready.



The Multi-System Controller

This newly designed Model is a perfect fit for those tight areas where space is a concern. It incorporates complete controls for two separate sets of equipment. The GDC(s) can be added to this Model. This controller has all the same design features as our standard Agri-Star, including easy programming and a responsive Touch Screen.



The Bin Controller

Our most recent Panel offers all the same control features, without the touch-screen. User interface is easily accessible from a PC or our Android or iOS apps. This panel is an affordable option for those smaller systems storages, or for the more segmented approach of bins or bays.

The Agri-Star is so versatile, it can be adapted to virtually all of your operations, such as:
POTATO AND RAW PRODUCT STORAGE | NURSERIES & GREENHOUSES | WINE CASK CELLARS | FOOD PROCESSING

Visit www.gellert.com to see where you can gain more control for your environment.



USER INTERFACE

The Agri-Star Control Panel has interactive menus. Here are a few examples of what you will see displayed:

ABC Farms 08/09/2017 4:48pm
Current Mode = REFRIGERATION

Plenum Temperature Deviation Alarms

System will alarm if
plenum temperature is **10.0°** below plenum setpoint for **10** minutes
or
plenum temperature is **10.0°** above plenum setpoint for **10** minutes.

Home Program Back Next History Help Refresh Full Screen

ABC Farms 08/09/2017 4:54pm
Current Mode = REFRIGERATION

System Run Clock

AM	12:00	12:30	1:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00	5:30	6:00
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
PM	6:00	6:30	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	

Home Program Back Next History Help Refresh Full Screen

ABC Farms 08/09/2017 4:55pm
Current Mode = REFRIGERATION

Fan Speed Control

Current Cooling Fan Speed **100 %**

Cooling Mode Maximum	100 %
Cooling Mode Minimum	25 %
Refrigeration Mode	80 %
Recirculation Mode	50 %

In cooling mode, fan speed will update every 5 hours to maintain a temperature differential of **1.0°** between **Plenum Setpoint** and **Return Air Temp**

Home Program Back Next History Help Refresh Full Screen

ABC Farms 08/09/2017 5:14pm
Current Mode = REFRIGERATION

Fan Boost Control

Fan Boost Control Mode: **Temperature Based**

The fan speed will be increased to **80 %** if the outside temperature is below **20.0°** and it has been **12** hours since the last fan boost period. The fan boost period will last **20** minutes.

Home Program Back Next History Help Refresh Full Screen

ABC Farms 08/09/2017 5:23pm
Current Mode = REFRIGERATION

Humidifier Control

Equipment Selection: Humidifier #1

Auto Control Mode: **Timer**

System Mode	Cycle Duration	
	Seconds On	Seconds Off
Cooling	90	30
Recirculation	30	90
Refrigeration	120	30

Humidifier Status - Pump #1: **On**

Home Program Back Next History Help Refresh Full Screen

ABC Farms 08/09/2017 5:24pm
Current Mode = REFRIGERATION

ClimaCell Control

AM	12:00	12:30	1:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00	5:30	6:00
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
PM	6:00	6:30	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	

Home Program Back Next History Help Refresh Full Screen

ABC Farms 08/09/2017 5:24pm
Current Mode = REFRIGERATION

High CO₂ Level Purge Control

CO₂ Purge Control Mode: **Automatic**

A CO₂ purge will occur if the CO₂ level is above **1500** ppm and the outside air temperature is between a minimum of **44.0°** and a maximum of **60.0°**. The purge will last for **10** minutes with a fan output of **95%** and door output of **100%**.
Current CO₂ Level **735.0** ppm

Home Program Back Next History Help Refresh Full Screen

ABC Farms 08/09/2017 5:25pm
Current Mode = REFRIGERATION

Equipment Status

Output	Status	Switch	Output	Status	Switch
Fan	On	Auto	Refrigeration #1	On	Auto
ClimaCell	On	Auto	Refrigeration #2	On	
Humidifier #1 Head	On	Auto	Refrigeration #3	On	
Humidifier #1 Pump	On	Auto	Refrigeration #4	Off	
Humidifier #2 Head	On	Auto	Refrigeration #5	Off	
Humidifier #2 Pump	On	Auto	Refrigeration #6	Off	
Auxiliary	On	Auto	Heat	On	Auto
Cavity Heater*	On	Off	Fresh Air Doors	0 %	Auto

* Switch value indicates control setting in Miscellaneous Program Parameters

Home Program Back Next History Help Refresh Full Screen

ABC Farms 08/09/2017 5:25pm
Current Mode = REFRIGERATION

Email Alerts

Send Email Alerts: **Disabled**

Send To: **MyAccount@gmail.com**

From: **AgriStar.Alerts@Gellert.com**

Email Server: **smtp.gmail.com**

Authentication Type: **StartTLS** Port: **587**

Account: **AgriStar.Alerts@gmail.com**

Send from Display: **undefined (...undefined)**

Home Program Back Next History Help Refresh Full Screen

All of our touch screen menus are designed using full sentence explanations. You won't need to interpret any abbreviations or confusing symbols!

Control Your Environment

CONTROLS



HEAT



HUMIDITY



TEMPERATURE



CARBON DIOXIDE



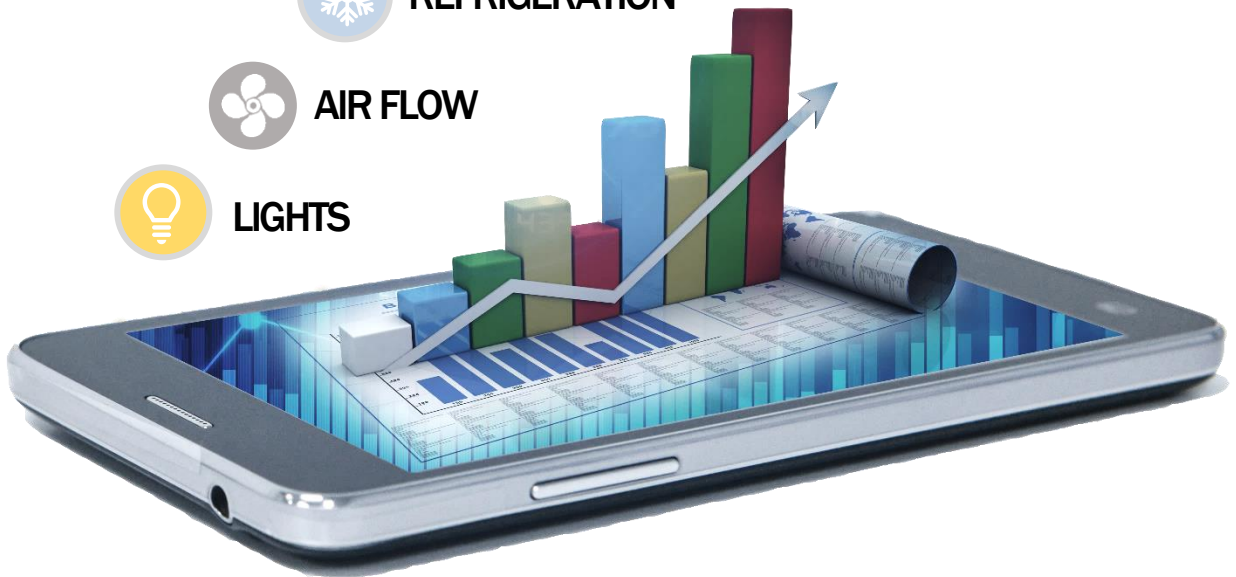
REFRIGERATION



AIR FLOW

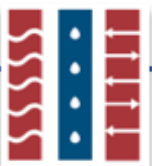


LIGHTS



What Does Having the “Most Adaptable” Control Panel mean for you?

It means you have full control over ALL of your climate equipment. Period. And that includes “industry-specific” equipment such as Burners for Onion Growers and Irrigation Systems for Greenhouses or Nurseries. Just a few illustrations of how our Panels can be adapted to ANY storage environment needs you have. YOUR climate - YOUR commodity - YOUR satisfaction.



TRUST GELLERT FOR CLIMATE CONTROL. WE KNOW HOW.



24 / 7 ACCESS
& CONNECTIVITY

YOU Take Control - with our GELLERT APP!

- Access and Control at your fingertips.
- Visibility of your entire climate.

Save yourself TIME and MONEY by having the ability to view all the aspects of your climate-controlled environment on your mobile device.

You will even be able to make controls adjustments to some of the equipment remotely - with the App!



Yes!

GELLERT... YOUR INTERNET-PROVIDER?

Trust Gellert Wireless as your Full Wireless Solution for Internet Service with either a Standard or Tailored set-up to both small and large, complex operations. OR – if you need to keep your current Internet Provider, but are tired of numerous issues like slow connections...**Gellert Wireless** can provide a boosted solution to solve those issues! Some complaints from our customers have been:

- Cost of Multiple Internet Lines
- Poor Signal
- Cable Lines Running Through Large Areas
- Necessary Router Reboots
- Bot Attacks on Web Servers

Gellert Wireless - AWESOME FEATURES



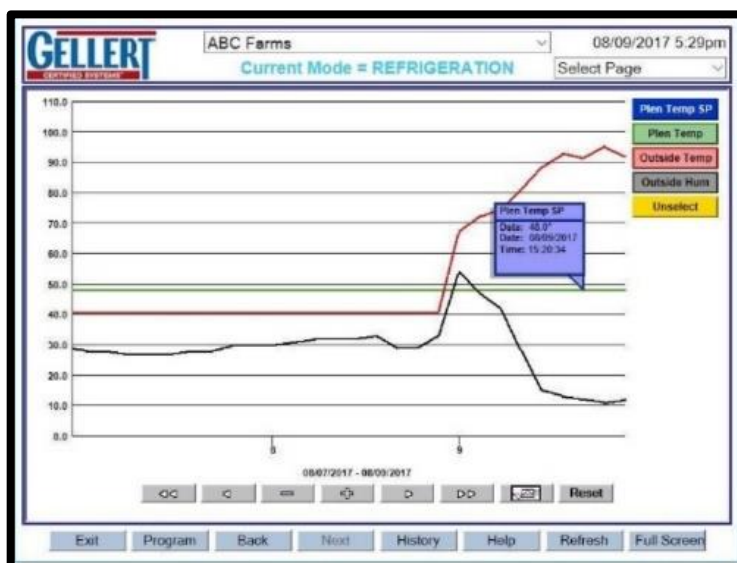
Internet Service is a whole different ball game for your kind of Industry, right? You can't just "reboot the router" if there's an issue, without having to drive miles to get to your facilities. Part of our services include Professional Troubleshooting and Remote Servicing for your connections. We will provide the full installation of your internet, including bridging buildings and locations securely, setting up routers and testing for successful implementation, and helping install your favorite apps. You will then receive remote management of your wireless services from one of Gellert's *Wireless* experts.

Other features include: A full onboard firewall system, boosted capabilities up to 20 miles of reach or more, stable and redundant – always connected, weatherproof wireless connection that's just as effective as a hard wire, without the wiring hassle.

THE AGRI-STAR PANEL..... WORKING FOR YOU!

No matter who you are in your industry – global processor, major corporate grower, or other, our Panel's graphing and reporting capabilities are appreciated at all levels of the organization.

Our Customers like the ability to review weekly reporting via the Graphing Capabilities – and integrate that reporting into whatever software system they use to run their day to day operations.



These Graphs are used for accountability at regular meetings – to discuss the successes or challenges of the operation where storage is concerned.

Owning the data with the freedom and ability to integrate it with current Farm Operation Software, and being able to react to historical information at any point in time, is another key feature of the Agri-Star Panel.



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Twin Falls, Idaho 83301**



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1.208.736.7000**



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