A STATE-OF-THE-ART UPGRADABLE SYSTEM

FOR POULTRY, HOG AND DAIRY FARMING

5 YEARS WARRANTY

Highly intuitive icons make Maximus the easiest to use control system on the market.

The only true management control that is fully customizable, regardless of the building size or application.

Invest in a control system; Maximus will give you the best return investment. No monthly fee.

Have Maximus send you a customized report every morning to help you make the best decisions to maximize your results.

Maximus is the logical solution to biosecurity. Prevent financial losses, protect your reputation.

Quick and simple Web update ensure optimal technological solutions.

Well-Being of your animals and reduce operational costs means improved profitability for your company.

MAXIMUM AG TECHNOLOGIES
HOME OF THE MAXIMUS CONTROLLER

MAxAgTech is your wholesale source for the most up to date technologies in the livestock agricultural industry.

🌐 www.maxagtech.com
📱 616.350.9000
f Maximus-Systems

MAXIMUS

Precise, adaptable and efficient to a wide range of needs and situations
Easy to install and clean
Easy to use by sows and gilts, it also helps employees get the job done more easily

The information you want the minute you want it
Generates all alarms, by text or email
Current draw & temperature readings of all variable and relays outputs
All relays & variables have fuse protection
Auto winching for feed & water lines
Static pressure compensation
Zone temperature compensation for inlets
Outside temperature compensation for ventilation
i-Novarum compatible (production management solutions)
Diagnostic menu
And much more...

1-800-328-8842

Take Control!

The Ventra™ PRO Controller from VAL-CO® provides many options.

VAL-CO is proud to introduce the Ventra Pro Controller with options that can help to save you time and money.

Features & Benefits:

- **One-Touch Access to Pertinent Information:** Daily high/low temperatures, water usage, feeder run times, etc. all available in one simple menu at the touch of a button.

- **Plug In Relays:** Make it easy to swap parts in the field with minimal downtime.

- **Built-In Assistant:** Shows data points that fall outside of acceptable parameters for quick and easy diagnosis of problems.

- **Multiple Programs:** Stored in one SD card for quick changing of seasonal ventilation parameters.

- **Track Propane Usage:** Quickly see when expenses are climbing, and correct the cause before it's too late.

- **Heater/Curtain Zone Interlock:** Reduce wasted fuel by preventing heaters from turning on if the curtains in the same zone are open by more than 1".

- **Heat Purge:** Heated air holds more moisture, so less air needs to be exhausted to remove moisture, and gentler temperature swing is easier on the animals for improved health.

- **Curtain Exercise Routine:** When hot weather causes curtains to stay open day after day, rodents can begin to build nests inside the curtain folds. The new exercise routine can fully close and open the curtains automatically, which will dump out the nests and prevent damage to your curtains.

- **Outside Temp Influence/High Temp Alarm:** Reduce nuisance alarms during warm weather; high temperature alarm will be adjusted based on high outside temperatures.

- **English or Spanish Language:** Rapid "key stroke" to toggle between Spanish or English language menus helps make the controller easily accessible to different workers.

Ventra™ Pro
Sixteen Device Output Channels, Multi Zone, "Hot Keys", Expandable

Stock # 6961162 16 Channels
6961160 24 Channels
6961166 32 Channels

Ventra™ 1200ZP
Twelve Device Output Channels, Multi Zone, "Hot Keys", Expandable

Stock # 696033

Ventra™ 1200ZPVS
Twelve Device Output Channels, 2 Variable Speed, Multi Zone, "Hot Keys", Expandable

Stock # 696828

Model 12 Expansion Station
Adds 12 Output Channels

Stock # 696863

Model 12 VS Expansion Station
Adds 10 Output + 2 Variable Speeds to Ventra™ Controller

Stock # 6961061 (No VS)
6961061 Variable Speed

2VS Vari-Speed Module
Adds 2 Variable Speed Channels to Ventra™ Controller

Stock # 696662

Communication Station
Allows on-site communication between a PC and your Ventra Controller using a direct (serial port) connection or off-site using a dial-up connection

Stock # 696286

VENTRA SENSORS

6961161
Ventra Static Pressure Sensor Kit

696289
Ventra Feed Sensor

696278
Ventra Temp Air Sensor Model 935

696275
Ventra Temp Only Sensor Model 940

696279
Ventra Humidity Sensor

Ovation Controller

VAL-CO®
Controls
Automate
Ventilation.

Ovation Series

Display and Set-up Panel:

- 5 character LED display screen shows longer descriptions
- Indicator lights for output status - show ventilation system at a glance
- Defective probe pilot light
- Independent temperature probe inputs – individual readouts
- 16 or more parameters accessed by dial – protection with lock out mode switch preventing accidental or unauthorized changes

Control Features:

- Displays absolute temperatures for all stages
- Inside and outside High/Low temperatures for room average recordings
- Optional humidity probe with RH compensation
- Compatible with potentiometer feedback air inlet control
- Minimum Vent Timer selects desired time on and off – no limitations
- On/Off stages have selectable 2° F offset
- Sequential power-on with 5 second delay between stages
- Full-speed fan start-up for 2 seconds on variable output
- Motor curves for variable speed fans
- Ramping functions – 10 different set points – adjustments for current day
- Adjustable heater offset & differential
- 2 heating stages possible for controls w/2 or more thermo stages
- Dual zone heat mode allows 2 heaters on a single stage w/individual sensors
- Easy access to internal adjustments – snap on latch

Alarm Features:

- Test mode – runs through sequence to test settings and equipment
- Alarms for High/Low and critical temperatures plus power failure
- Offset alarm for mist, heat and stage 2
- Includes standard alarm output

Curtain Setup:

- Simplified curtain/winch set-up using targeted temperature (absolute values)
- Curtain/winch can be set up to operate anywhere within ventilation control sequence
- Manual overrides for curtains
- Outdoor temperature influence on high alarm offset and curtain logic
- Normal and progressive timing option for curtains
- Built-in adjustable timer on natural ventilation stages

Ovation 113
5 – Stage Control for
Power/Natural Applications
1 Variable Speed Stage
1 Curtain Winch Stage
1 On/Off Ventilation Stage
1 Mister Cycle Stage
1 Heater Stage

Ovation 214
7- Stage Control for
Power/Natural Applications
2 Variable Speed Stages
1 Curtain Winch Stage
2 On/Off Ventilation Stages
1 Mister Cycle Stage
1 Heater Stage

Ovation 224
8 – Stage Control for
Power/Natural Applications
2 Variable Speed Stages
2 Curtain Winch Stages
2 On/Off Ventilation Stages
1 Mister Cycle Stage
1 Heater Stage

Phason
electronic control / systems

AutoFlex Connect modular controls

- Intuitive user interface
- Local configuration and monitoring using the 10-inch touchscreen display
- Remote configuration and monitoring from any web-enabled device
- Easy expansion with modular design
- Standard interchangeable modules for control of fixed and variable speed fans, heaters, inlets, and curtains
- 16 available zones for control and monitoring
- Primary and secondary control modifiers

  - Temperature
  - Humidity
  - Static pressure
  - Rain
  - Windspeed
  - Windchill
  - THI

- Dependable operation with two-year warranty

AutoFlex Connect stock #:

- Capacity for 14 modules
- Durable, rugged enclosure (22 x 15 x 7 in.)

AutoFlex Connect Mini stock #:

- Capacity for 6 modules; 1 Relay Module (RM-4) and 1 Input Module (IN-4) included
- NEMA 4X enclosure (11.85 x 11.00 x 3.95 in.)

AutoFlex CONNECT

WEB

Fully configurable at the control or remotely from any web-enabled device

Expansion modules

Input Module stock #:

- Connections for four sensors

  - Temperature
  - Humidity
  - Rain
  - Windspeed
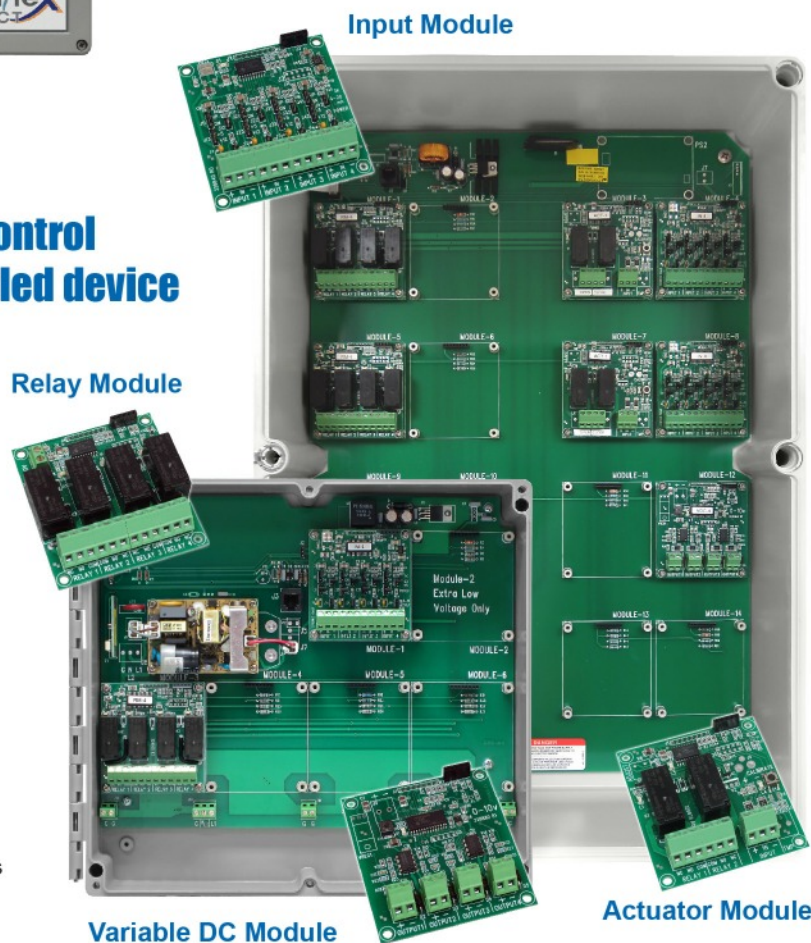 - Static pressure
  - Raw data

Relay Module stock #:

- Four general-purpose relays for any of the following on/off control methods

  - Cool
  - Timed event
  - Heat
  - Duty cycle

Variable DC Module stock #:

- Four 0 to 10 V DC outputs

Actuator Module stock #:

- For controlling actuators and curtain machines
- One open and one close relay
- Potentiometer feedback connection

Input Module

Relay Module

Variable DC Module

Actuator Module

Phason
electronic control / systems

www.phason.ca

Quality Reliability Durability
since 1985

PEC Plus - RS

Stock #:

- ▶ 2 variable cooling stages with overload protection
- ▶ 6 relay stages (heat, cool, duty cycle, curtain,or actuator control)
- ▶ Socketed, replaceable relays
- ▶ Alarm relay (for external alarm system or siren)
- ▶ 4 temperature inputs with up to 4-zone averaging
- ▶ Configurable 7-step growth curve
- ▶ Full-power-turn-on for minimizing fan ice-up
- ▶ On-board diagnostics and self tests
- ▶ Temperature probe (30 ft., extendable to 500 ft.)
- ▶ NEMA 4X enclosure (9.00 x 7.00 x 3.75 in.)
- ▶ Limited warranty (2 years)
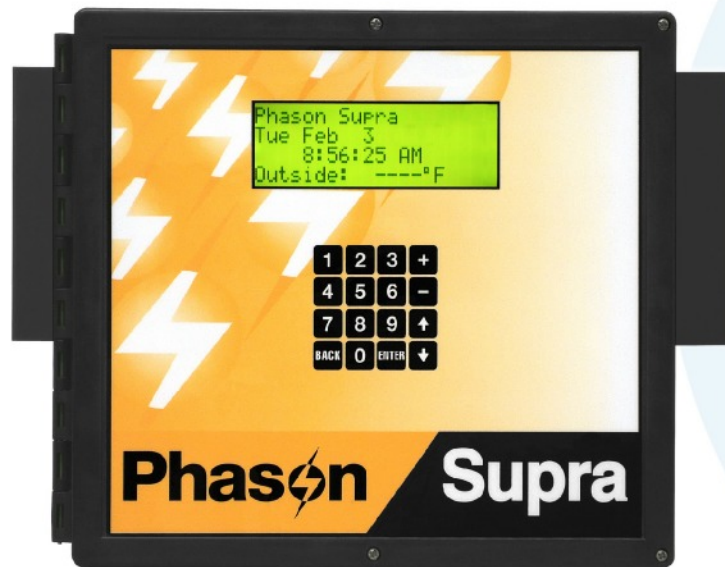
Manual Speed Control

...simple and effective fan or brooder lamp control

- ▶ Variable AC output with overload protection
- ▶ ON/OFF switch
- ▶ Adjustable HIGH/LOW settings
- ▶ NEMA 4X enclosure (4.75x 6.25 x 3.75 in.)
- ▶ Limited warranty (2 years)

MSC-4 12.5 A stock #:

MSC-4 8.5 A stock #:

Modulating Temperature Control

...automatically control variable speed fans according to temperature

- ▶ Variable AC output
- ▶ Adjustable temperature set point
- ▶ Idle and automatic shut-off modes
- ▶ Adjustable idle speed
- ▶ Off set-back of 2°F for shut-off mode
- ▶ Temperature differential of 6°F
- ▶ Temperature probe (6 ft., extendable to 500 ft.)
- ▶ NEMA 4X enclosure (4.75x 6.25 x 3.75 in.)
- ▶ Limited warranty (2 years)

MTC-4C stock #:

Natural Ventilation Control

...automatically controls temperature by operating a curtain machine and heater

- ▶ Programmable open, close, and idle durations, idle band, hysteresis, and alarms
- ▶ Open, close, and heater relays
- ▶ Alarm relay
- ▶ Manual override mode
- ▶ Optional rain sensor and override
- ▶ Temperature probe (6 ft., extendable to 500 ft.)
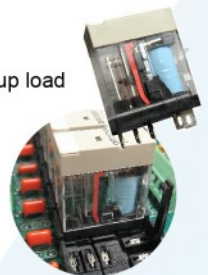- ▶ NEMA 4X enclosure (4.75x 6.25 x 3.75 in.)
- ▶ Limited warranty (2 years)

NVC-2 stock #:

Supra-RS 16-stage control

Stock #:

- ▶ 4 variable stages (heat or cool) with overload protection fuses
- ▶ 12 relay stages (heat, cool, timed event, duty cycle, or actuator control)
- ▶ Variable DC signal output
- ▶ Socketed, replaceable relays
- ▶ Alarm relay (for external alarm system or siren)
- ▶ 4 temperature inputs with 4-zone control and outdoor temperature monitoring
- ▶ 2 configurable 7-step growth curves
- ▶ Temperature setback for day/night temperature (DIF) control
- ▶ Water usage monitoring ability
- ▶ Humidity monitoring and control ability
- ▶ Startup timer for distributing backup generator initial startup load
- ▶ Full-power-turn-on for minimizing fan ice-up
- ▶ Data logging
- ▶ On-board diagnostics and self tests
- ▶ Temperature probe (30 ft., extendable to 500 ft.)
- ▶ NEMA 4X enclosure (11.85 x 11.00 x 3.95 in.)
- ▶ Limited warranty (2 years)

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fancom®
forward thinking

LUMINA 16 TOUCH

THE NEXT GENERATION

- Exceptionally versatile PNT ventilation control
- Energy saving controls for ventilation, heating and cooling
- Intelligent light control
- Continuous water monitoring
- EasyFeed™ Feed Control function
- Simple touch-screen operation with swipe and zoom functions
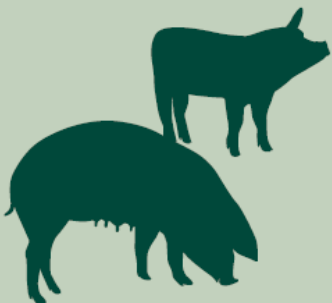
LUMINA 20 | LUMINA 21 CLIMATE CONTROLLERS

ONE CENTRAL COMPUTER FOR 8 - 24 ROOMS

- Intelligent climate control
- Many extra control functions
- Easy to use

iM.60 | LM.125 | LM.250

ACTUATORS

- Rugged construction
- Limit switches
- Feedback potentiometers
- Thermal protection
- Various strokes and capacities
- Practically maintenance free

The Agri-Alert 128 Touch
Stock #: 6961293

-7-inch color touch screen allows all zones to be seen simultaneously

-Internet access allows remote alarm management, eliminating your need to go to the barn upon every notification

-Email and text message notifications

-Modular architecture allows you to design a system that's the right size for your operation

-128 zones lets you monitor a large site on a single system

-Phone dialer provides guaranteed delivery of alarm notification even if you don't have internet

-Built-in security makes sure only authorized users can adjust the system

The Agri-Alert 800 EZ
Stock #: 6961089

New, graphical LCD screen :

-View information quickly & more clearly ;
-Intuitive screen design;

Easy navigation through menus.

Bright Tri-color status LEDs for each zone;

Easy to service PCB with plug-in connectors;

Re-settable fuses on PCB; no more blown fuses to change;

Integrated rechargeable back-up battery;

Programmable using PC software and SD card;

Separate plug-in phone dialer card for easy serviceability;

2 output relays that can be activated by phone;

Can call up to 8 different phone numbers (home phones, pagers, cell phones, etc);

Recordable messages for system id and individual zone voice labeling;

Acknowledge alarms by phone;

Call in from off site for zone temperatures & system status reports;

Auxiliary 12vdc power supply (AA-WM3000 wireless compatible);

Outdoor temperature compensation feature (requires additional card).

Agri-Alert Sensors

696023 Agri Alert Norsol 1' Probe Orange Cap
696389 Agri Alert Norsol 30' Probe Orange Cap

Sensaphone Alarm Monitor - Model 400
Stock#: 599060
4 Configurable Inputs Dials up to 4 Phone Numbers

The Sensaphone Alarm Monitor is an inexpensive way to monitor any type of facility. Once the Sensaphone detects a problem it automatically starts dialing your pre-programmed phone numbers and advises you of the problem. It continues to dial until someone responds to the call.

Each unit monitors power and temperature and the line seizure feature gives the unit the ability to 'seize' line when it needs to dial unit. This sensaphone has a custom voice messaging, can dial your beeper, pager or cell phone. The Listen-In feature allows you to hear on-site sounds. The model has an output for a siren. This Sensaphone Model 400 uses 6 - 1.5 volt C cell batteries as backup (not included). This unit has an operating range of 32° F to 120° F with a remote temperature sensing range of -20° F to 150°F. Comes with a 6' power cord and uses the
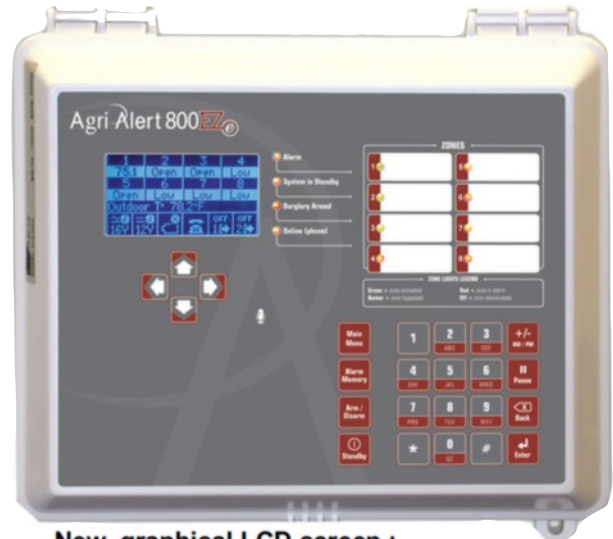

Moisture Proof Remote Temperature Sensor - 2.8 K
Stock#: 599061

Sensaphone Alarm Monitor - Model 800
Stock#: 599059
8 Configurable Inputs Dials up to 8 Phone Numbers

The Sensaphone Alarm Monitor is an inexpensive way to monitor any type of facility. Once the Sensaphone detects a problem it automatically starts dialing your pre-programmed phone numbers and advises you of the problem. It continues to dial until someone responds to the call.

Multifan

IC-610
Mulvfic-610/s **Stock#:** 696098

6 inputs, 8 outputs. 2 variable stages, 4 Multifan relays and 2 module ports with optional variable speed, curtain or on / off modules.

Able to network with other IC controls or computers. Time delay alarm relay.

User friendly interface with easy to read LED display, list of parameters and list of outputs with LED to show active outputs.
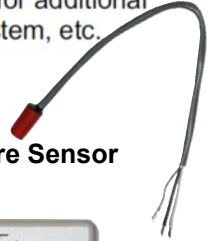
Customizable logic to adapt to your needs.

ECS-5M 5 Stage Control
VFECS-5M/S **Stock#:** 696827

5 Stage: 2 variable stages, 1 heater on/off relay, 2 on/off relays for additional fans, drip system, etc.

Multifan Temperature Sensor
Stock #: 696965

TC4 & TC5 SERIES VENTILATION CONTROLS

Airstream TC4 & TC5 Series ventilation controls are sophisticated yet simple to program and operate. You probably have never imagined that this many features could be available at such a reasonable price. These controls are designed and manufactured for specific applications such as natural, tunnel or power/natural ventilation. Your AP dealer can assist you in selecting the perfect control to meet your requirements.

EXPERT 2V4SA Ventilation System
Stock#: 6961039

TC4 & TC5 Standard Features
- Up to four temperature sensors averaging temperature
- High/low temperature registration
- Set point and minimum ventilation curves
- Overload and over voltage protection
- Zoned or cascading heat stages (TC5)
- Alarm out put (TC5 Series)
- De-icing cycle on second stage variable fans (TC5)

TC4 & TC5 Controllers Optional Features
- Humidity sensor input
- Air inlet control using PF-6 inlet position module and potentiometer
- Networking and remote operation and monitoring using a PC3-Int interface or Bridge and Agnet software

TC5-2V2S (4-STAGE CONTROL)
Stock #: 696613

TC5-2V4S (6-STAGE CONTOL)
Stock #: 6962041

TC5 TEMPERATURE SENSOR

EXPERT SERIES II VENTILATION CONTROLS

Features:
- Up to twelve cooling stages (exhaust fans, circulation fans, evaporative cooling)
- Up to three heat stages zoned or cascade
- Up to two actuated air inlet outputs, one potentiometer or two timed with zoning capability
- Up to two timed curtain outputs for tunnel inlet or natural ventilation
- Two independent time clocks
- Memory chip for downloading and storing up to fifteen ventilation programs and control settings
- Password protection with multiple user levels
- Programmable set point and minimum ventilation curves
- Seamless ventilation utilizes variable speed fans to smooth transition as ventilation increases
- Misting stage with cycle timer, night shut off and humidity over-ride (with optional RH sensor)
- Circulation fan feature that starts and stops at selected temperature
- Clean out mode for empty rooms
- Second stage variable humidity compensation (with optional RH sensor)
- Day and night settings for set point and minimum ventilation setting
- Can be networked for remote control and monitoring

Inputs:
- Up to eight inside temperature sensors
- Up to two outside temperature sensors
- Water pulse meter (optional)
- Humidity sensor (optional)
- Static pressure monitor (optional)

Outputs:
- Two 10 amp variable speed fans
- Twenty 12 amp relays (fans, heaters, cooling, inlets, curtains, timers)
- Two 0-10 volt outputs for added variable speed stages or zoned electric heat.
- One alarm contact

AIRSTREAM CONTROL EXPERT SERIES II W/20 RELAY

STOCK #: 6961055

RELAY EXPANSION PANEL FOR LARGER BUILDINGS

For larger buildings, the Expert Series 2 can be expanded from twenty to thirty-six relays with this sixteen relay expansion panel.

Monitoring & History:
- Temp readout for each sensor plus ten day high/low history
- Average room temperature plus sixty day high/low history
- Outside temperature plus seventy-five day high/low history
- Relative humidity plus seventy-five day history with optional RH sensor
- Static pressure with optional static pressure sensor
- Heater run time seventy-five day history
- Feed system run time seventy-five day history
- Daily water consumption seventy-five day history with optional water pulse meter
- Alarm status
- Group age, mortality and marketing