





**2022 Product Catalog** 





Welcome to AutoVent's newest product catalog. We enjoy designing and building horticulture specific-ventilation controls and greenhouse control components.

Take time to browse our products to see how your operation will benefit from automation control technology. If one of our standard packages does not meet your needs, we will gladly customize a solution for you! Custom projects are built to your specifications and we also offer you the opportunity to private label our products, giving you a unique product in the marketplace.

We are located in Berks County, Pennsylvania. We love solving technical problems and we strive to provide you with economical choices in automation technology.



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### The Right Controller

### **Simple to use Ventilation Automation**

From simple manual switches to a thermostat-controlled and fully automatic touchscreen interface, you can trust AutoVent to keep your environment controlled while you are focusing on important matters.

Our 24volt motors and controls tie in well with your existing system or work perfectly in new installations. Easy installation makes the AutoVent system the right choice for your operation.

### **AutoVent Controller features:**

- Easy to use touchscreen interface
- On-screen manual overrides
- Intuitive settings make it easy to program
- Flexible system allows the relays to be set up for any combinations of fans, vents, grow lights, and more
- Rugged enclosures provide long-lasting waterproof protection for components

Models	VentChief	VentStar	Captain6	Captain6	Captain10	Captain10
Part number	VentChief	VentStarPS	AV-6C	AV-6C-PS	AV-10C	AV10C-PS
Relay outputs	NA	4	6	6	10	10
Variable speed outputs	NA	NA	1	1	1	1
24vdc output power*1	NA	10 amp	NA	10 amp	NA	20 amp
Input power	12-24vdc	120-240vac	24vdc	120-240vac	24vdc	120-240vac
Sensors						
Temperature sensor	Yes	Yes	Yes	Yes	Yes	Yes
Max temp sensors	1	1	2	2	4	4
Wind speed	No	No	Option	Option	Option	Option
Rain sensor	No	No	Option	Option	Option	Option
2nd rain sensor	No	No	Option	Option	Option	Option
Humidity Sensor	No	Option	Option	Option	Option	Option
Voltage Monitoring	Yes	No	Option	Option	Option	Option
Equipment						
Max vents	1	2	3	3	5	5
Max fans	NA	2	6	6	10	10
Max heaters	NA	2	6	6	10	10
Max grow lights	NA	NA	6	6	10	10
Max dehumidifier	NA	NA	1	1	1	1
Max light deps	NA	NA	1	1	1	1
2hp @ 240v contactor	No	No	Option	No	Option	No
FarmShield compatible	No	No	Yes	Yes	Yes	Yes
FarmVigil compatible	Soon	Soon	Yes	Yes	Yes	Yes

<sup>\*1</sup> Built-in 24v motor power source. The standard max wire length to the motor is approx. 250ft for 200ft long curtains, or 400ft for curtains 80ft or less. Ask about multi-voltage upgrades for longer runs.



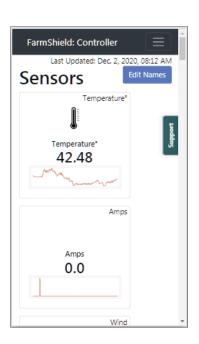
### Farmshield.net

Worried about your crops while you're gone?

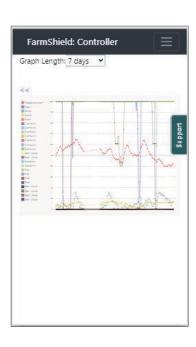
FarmShield is an easy to use online interface for your AutoVent System

### **FarmShield features:**

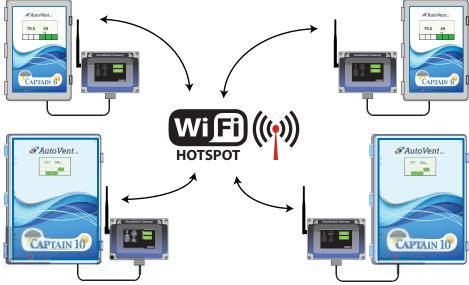
- View temperature, wind, and humidity online
- · Voice and email alarms
- Change your controller settings from your phone
- Easy to use Wi-Fi gateway
- Compatible with a consumer-grade internet connection







Connect your Captain Controllers to your FarmShield account.





# FarmVigil





### An Easy to Use Monitoring Device That Can Connect up to 15 Controllers Remotely Using a Wireless Connection

The FarmVigil system offers convenient wireless monitoring of all your environment controllers. The system can connect to most AutoVent controllers with easy setup features like auto scan wizard.

### **Features**

- High and Low-Temperature Alarms for every temperature sensor
- · Disconnect alarm for fail-safety
- Easy to use Scan for Adding New Controllers
- Supports Most AutoVent Controllers
- Touchscreen interface, Easy to change settings
- Displays a custom name for each controller
- No internet connection is needed

#### **Tech features:**

- 600-foot range standard
- Optional 1,000-ft range antenna
- 120 input power
- 12vdc power option
- 3 relay outputs to trigger your alarm
- Connects to up to 15 AutoVent Controllers no Internet connection needed

Monitor up to 15 AutoVent Controllers from a single dashboard.









#### Tech features:

- 120/240 input power
- 10 AMP SPDT outputs
- Controls up to 20 variable speed drives
- Heavy-duty touch screen protection for harsh environments
- 20 Amp Vent motor power
- 10 relay outputs

### The Most Feature Rich AutoVent Heating and Cooling Controller

This is the flagship model of our programmable Captain series. Offering convenient automatic control of your fan and vent circuits for your greenhouse. This system comes with a temperature probe for ambient temperature control and also interfaces with an optional anemometer sensing wind speed for additional energy savings. Its optional voltage monitoring makes it ideal for battery and solar-powered operations.

#### **Features**

- Ten equipment channels
- The warmer the temperature the faster the variable speed fan spins
- · Optional Anemometer measures the prevailing wind
- Humidity Compensated Vents
- · Touchscreen Interface, Easy to change settings
- Fahrenheit or Celsius display
- Individually adjustable temperature set-points for each stage
- Ten relay outputs 10 amp each
- Rugged enclosure with touchscreen protection door

### Accessories

**Uneven temperatures?** 1<sup>st</sup> Sensor Add another sensor to fix it. (included) Additional Temperature Probe **Temperature** 2<sup>nd</sup> Sensor **Temperature** (optional) 3<sup>rd</sup> Sensor Too damp in the morning? Mold on your crops? (optional) This sensor allows the Captain Series to cool with or 🎚 Humidity humidity-based cooling Optional Humidity Sensor . . . RPH-310 4<sup>th</sup> Sensor or Sylve Voltage (optional) High wind damaging your vents or plants? 5<sup>th</sup> Sensor This sensor enables the Captain to make decisions (optional) based on wind speed Optional Wind Sensor . . . . . . . CC-A1 Wind Speed 6<sup>th</sup> Sensor Plants drowning in rain? This optional sensor extends the capability of the (optional) Captain Series to close curtains during driving rain. Rain Optional Rain Sensor .... URS-0024 Rain Sensor w/100ft cord . . . URS-1024 7<sup>th</sup> Sensor Rain



### Want to view temperature or change setpoints online?

(optional)



### Getting up at night?

Allows the Captain to communicate with a FarmVigil controller

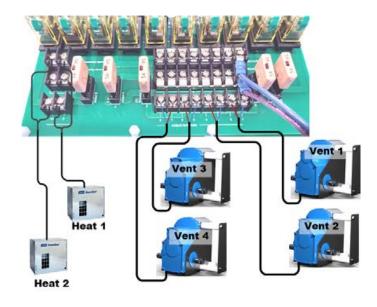
Optional Radio Transceiver......

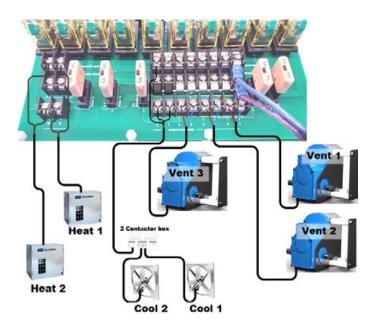
433T30S

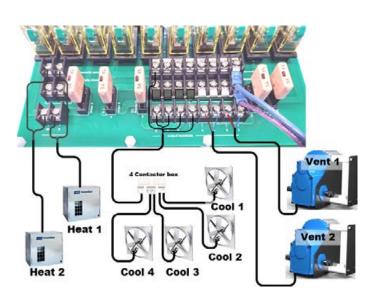




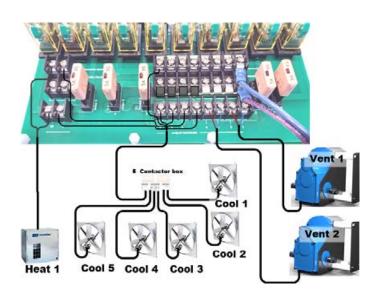
Each vent or light DEP uses 2 switches. Each fan, heater, grow light, or dehumidifier uses 1 switch. This means you can have any combination as long as it doesn't use more than ten switches.

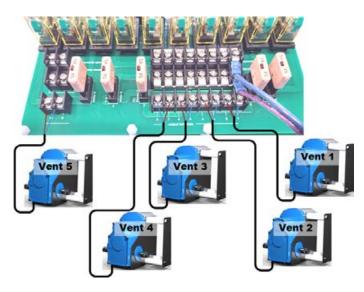


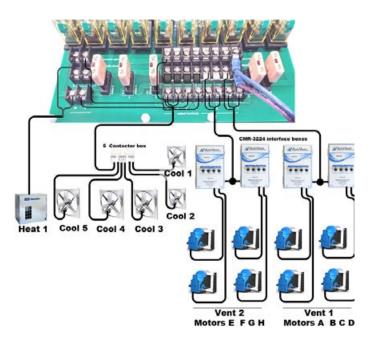


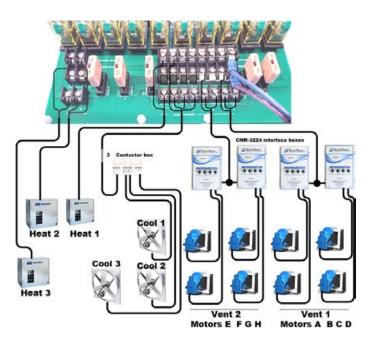


### 10 switches = Many configurations













#### **Tech features:**

- 120/240 input power
- 10 AMP SPDT outputs
- Controls up to 20 variable speed drives
- Easily accessible touchscreen interface
- 6 relay output
- 10 Amp Vent Motor Power

### An Economical Temperature Controller with Premium Features

The programmable Captain 6 offers convenient automatic control of your greenhouse environment in a compact enclosure. This system comes with a temperature probe for ambient temperature control and also interfaces with an optional anemometer sensing wind speed for additional energy savings. Its optional voltage monitoring makes it ideal for battery and solar-powered operations.

#### **Features**

- Six equipment channels
- The warmer the temperature the faster the variable speed fan spins
- Optional Anemometer measures the prevailing wind
- Humidity Compensated Vents
- Touchscreen interface, Easy to change settings
- Fahrenheit or Celsius display
- Individually adjustable temperature set-points for each stage
- Six relay outputs 10 amp
- Easy to access touchscreen
- Coming soon Shared wind and rain sensors across multiple controls with FarmVigil

### Accessories

**Uneven temperatures?** 1<sup>st</sup> Sensor Add another sensor to fix it. (included) Additional Temperature Probe **Temperature** 2<sup>nd</sup> Sensor **Temperature** (optional) Too damp in the morning? 3<sup>rd</sup> Sensor Mold on your crops? (optional) This sensor allows the Captain Series to cool with Humidity humidity-based cooling Optional Humidity Sensor . . . RPH-310 4<sup>th</sup> Sensor Voltage (optional) 5<sup>th</sup> Sensor High wind damaging your vents or plants? This sensor enables the Captain to make decisions (optional) based on wind speed Optional Wind Sensor . . . . . . . CC-A1 Wind Speed 6<sup>th</sup> Sensor Plants drowning in rain? This optional sensor extends the capability of the (optional) Captain Series to close curtains during driving rain. Rain Ontional Rain Sensor . . . . URS-0024 Rain Sensor w/100ft cord . . . URS-1024



### Want to view temperature or change setpoints online?



### Getting up at night?

Allows the Captain to communicate with a FarmVigil controller

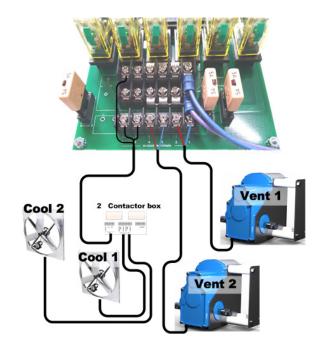
Optional Radio Transceiver......

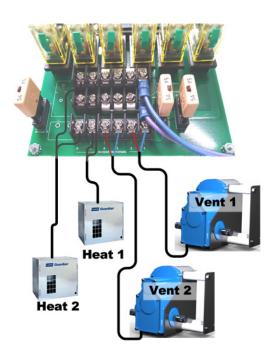
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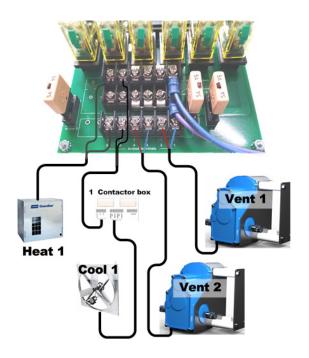




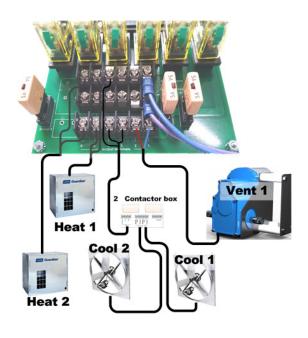
Each vent or light DEP uses 2 switches. Each fan, heater, grow light, or dehumidifier uses 1 switch. This means you can have any combination as long as it doesn't use more than six switches.

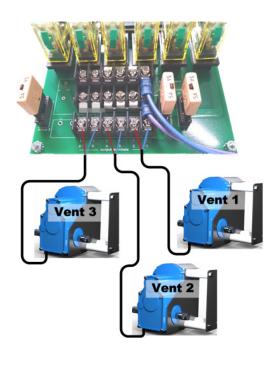


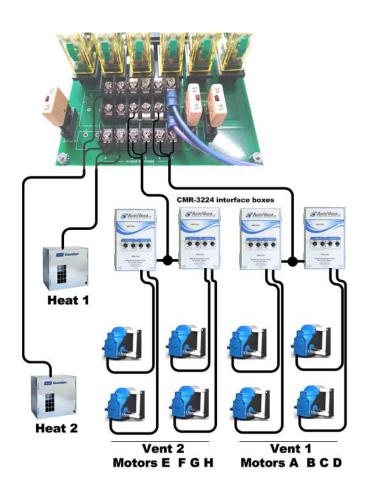


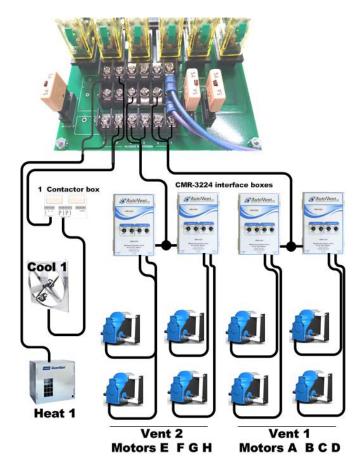


### 6 switches = Many configurations









## VENT STAR





#### **Tech features:**

- Manual Overrides
- · Easy to change setpoints
- Runs (2) 24-volt Vent motors simultaneously
- Optional: Humidity sensor for better environment control
- 10 Amp Vent Motor Power
- 2 outputs for heating or cooling

### A single-zone controller for greenhouse heating and cooling

Featuring a user-friendly LED interface, you can automate your greenhouse ventilation components. Perfect for high tunnels.

Get your greenhouse automation up and running quickly with this reliable and easy-to-setup controller.

#### **Features**

- Rugged LED display.
- Controls up to 2 motors and 2 contact devices.
- Remembers settings through power outages.
- Variable vent motor run time (incremental opening).
- · Variable pause interval between vent opening.
- · Optional humidity sensor override.
- · Easy to program.
- · Manual override feature.
- Comes with a 100' temperature sensor.
- Coming soon shared wind and rain sensors with FarmVigil

1<sup>st</sup> Sensor Temperature (included)



#### **Uneven temperatures?**



2<sup>nd</sup> Sensor Humidity (optional)

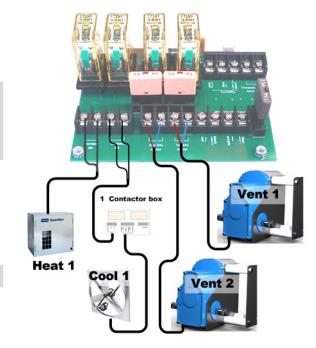


### Too damp in the morning? Mold on your crops?

This sensor allows the VentStar to cool with humidity-based cooling

Optional Humidity Sensor . . . RPH-310





## VENT CHIEF





#### **Tech features:**

- Manual Overrides
- Easy to change setpoints
- Runs (1) 24-volt Vent motors
- 12-24 VDC input
- Output voltage is the same as the input
- · 5-amp fused output
- Coming soon Manually run vents remotely with FarmVigil

### A simple, thermostatic vent controller for a greenhouse vent motor.

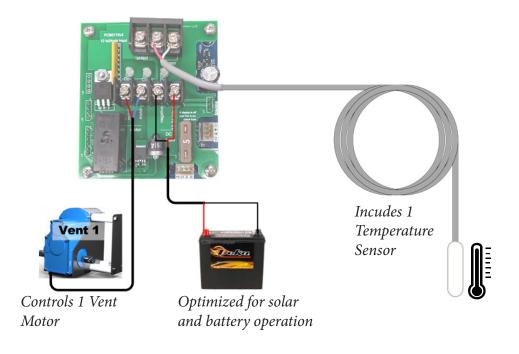
Featuring a user-friendly LED interface, you can automate your greenhouse actuators or vent motors. Ideal for Solar-powered operation.

Make your vent automation easy with this compact and versatile controller.

#### **Features**

- Rugged LED display.
- Controls 1 motor.
- Remembers settings through power outages.
- Variable vent motor run time (incremental opening).
- Variable pause interval between vent opening.
- 12-24 volt dc input.
- · Easy to program.
- · Manual override feature.
- Comes with a 100' temperature sensor.
- Voltage Monitoring for Solar or Battery-Powered operation
- Low voltage shutoff
- · Optimized for battery operation
- 5-amp output

Vent Chief for 1 motor . . . . . . . . . . . . . VentChief





### 24 Volt Vent Motor Controls

#### Benefits of all the units:

- Circuit breaker technology no more blown fuses to replace.
- Individual Circuit breaker for each motor sized according to your needs. 5, 7.5, 10, or 15-amp selection
- · Exclusive design allows longer motor leads
- Sealed NEMA 4x ABS enclosure, nonmetallic.
   Will not rust or corrode
- High efficiency, rugged transformer design.
- · Work with all 24 Volt DC motors
- · Large, Easy-to-wire box

Part number	Number of motors	Max. output amps	Override toggles	Light DEP	Vent interface	Fuse sizes	Enclosure size
CMR-0224	1	10	Yes	No	dry contact	5,7.5,10	7x11x6
CMR-3224	2	10	Yes	No	dry contact	5,7.5,10	7x11x6
CMR-3224-5	2	20	Yes	No	dry contact	5,7.5,10	7x11x6
CMR-3224-T	2	10	Yes	Yes	Timed	5,7.5,10	7x11x6
CMR-3224-5-T	2	20	Yes	Yes	Timed	5,7.5,10	7x11x6
CMR-0424-5	4	20	Yes	No	dry contact	5,7.5,10	11x15x6
CRR-0224	1	10	No	No	dry contact	5,7.5,10	7x11x6
CRR-3224	2	10	No	No	dry contact	5,7.5,10	7x11x6
CRR-3224-5	2	20	No	No	dry contact	5,7.5,10	7x11x6
CRR-0424	4	20	No	No	dry contact	5,7.5,10	11x15x6
CMC-0100	1	10	Yes	No	none	5,7.5,10	7x11x6
CMC-0200	2	10	Yes	No	none	5,7.5,10	7x11x6
CMC-0400	4	10	Yes	No	none	5,7.5,10	7x11x6
CMC-0400-5	4	20	Yes	No	none	5,7.5,10	7x11x6



### Vent Motor Power with Controller Interface

- Powers and gives override control to any 24vdc motors.
- · Links to most ventilation controllers.
- Override switches allow motors to be opened/closed manually or by a ventilation controller.
- Very popular for greenhouses.

Part number	Number of motors	Max. output amps	Override toggles	Enclosure size
CMR-0224	1	10	Yes	7x11x6
CMR-3224	2	10	Yes	7x11x6
CMR-3224-5	2	20	Yes	7x11x6
CMR-0424-5	4	20	Yes	11x15x6
CRR-0224	1	10	No	7x11x6
CRR-3224	2	10	No	7x11x6
CRR-3224-5	2	20	No	7x11x6
CRR-0424	4	20	No	11x15x6



### Manual Vent Motor Controls

- Toggle Control of up to 4 Independent Motors.
- · Plugs into any 120 Outlet.
- · Cord Grips/Glands preinstalled for curtain motor wires.

Part number	Number of motors	Max. output amps	Enclosure size
CMC-0100	1	10	7x11x6
CMC-0200	2	10	7x11x6
CMC-0400	4	10	7x11x6
CMC-0400-5	4	20	7x11x6



### **Timed Control For Light Deprivation**

- Timed Control for 24vdc Vent Motors
- · Easy to install &use
- · Built-in overload protection
- · Designed for Light Deprivation Systems
- Multiple Timed Cycles per Day
- · Includes Manual Overrides and Timer Overrides

Part number	Number of motors	Max. output amps	Override toggles	Enclosure size
CMR-3224-T	2	10	Yes	7x11x6
CMR-3224-5-T	2	20	Yes	7x11x6

### Vent Automation

### **VENT DRIVE MOTOR SYSTEM**

#### **AutoVent Vent Motors**

Our line of curtain motors has been specifically designed to meet the challenges of natural ventilation in greenhouses. Their lightweight yet rugged design provides robust performance with minimal structural forces.

Our motors work well with your existing system or in new installations. Easy installation makes the AutoVent motors the right choice for your operation.

### **AutoVent motor features:**

- High output torque in a compact design
- Single or dual output shaft configuration
- Multiple input voltage options
- Easy to access mechanical limit switches or no hassle software limits



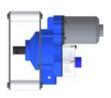
Part number	Output shaft	RPM	Torque output ft. lbs.	Output Shaft Size	Input Voltage	Amp Draw
CMD-0401	Dual	3.6	173	0.86"	24 DC	15
CMD-0180	Dual	3.6	89	0.86"	24 DC	7
CMD-0150	Single	3.6	110	0.86"	24 DC	10
CMD-0115	Single	3.6	66	0.76"	24 DC	5
CMD-072	Single	3.6	24	0.76"	24 DC	3

### **Vent Automation**

### **VENT DRIVE MOTOR SYSTEM**

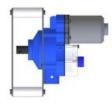


CMD-072 Single Shaft 24V Motor rated for a 75-foot bottom rolling vent Very popular in greenhouses



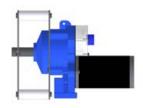


CMD-0115 Single Shaft 24V Motor rated for a 115-foot bottom rolling vent





CMD-0150 Single Shaft 24V Motor rated for a 240-foot bottom rolling vent



### **Vent Automation**

### **VENT DRIVE MOTOR SYSTEM**



CMD-0180

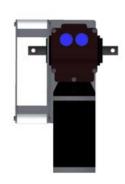
Double Shaft 24V Motor rated for 200-foot bottom rolling vents





CMD-0401

Double Shaft 24V Motor rated for 350-foot bottom rolling vents



### General Motor Clearance Dimensions

CMD-072 & 0115 — 9.5" deep, 12" wide, CMD-0150 & 0180 — 10.5" deep,16" wide CMD-0401 — 12" deep 14" wide











Phone: (610) 987-0488 • www.AutoVentLLC.com