Menu Guide

VENTIUM™

Software and Security	Current Conditions	Control Equipment Status	Current Animal Information	History	Temp Control Settings	Vent and Purge	Static Pressure	Sound Alarm When...	*	Test Control Hardware	Alarm History / Error Detail
Software Revision Number	Avg Actual Temp	Brooder Groups	Today's Age / Weight	Temperature Control	Temp Setpoint, Ramping ON/OFF	Minimum Vent and Purge Settings	Setpoint / Close / Open	Fixed High Temp Exceeds	* SEE OPPOSITE SIDE FOR DEVICE / EQUIPMENT SETTINGS.	Press Menu Down to Enter Test Menu	Alarm History (Date/Time)
Revision Date/Time	Avg Actual / Effective Temp	Heater Groups	Finish Age / Weight	House Control Mode	Temp Control	Minimum Vent Timer On/Off	Ramp Temp / Pressure	Temp Above / Below		Test Alarm Relay	Error Detail (Date/Time)
Control Center Serial Number	Sensor Temps 1-4	Furnace Groups	Beginning Head Count	Setpoint Temperature	House Control Mode	Humidity Purge Setpoint		Feeder ON Time Exceeds		Test Outputs	
Enter Password / Security Level	Sensor Temps 5-8	Stir Fan Groups	Total Mortality Head Count	Avg Temperature	Ridge to Curtains Interlock	Humidity Purge On/Delay		Feeder OFF Time Exceeds		Test Inputs	
Edit Password / Security Level	Sensor Temps 9-12	Sidewall Fan Groups	Total Sold Head Count	Zone Avg Temp	Heater to Curtains Interlock	Purge Inhibit Low/High Temp		Water Flow Exceeds		Test Output Status	
Watch Dog Address Display Table	Outside Temp	Tunnel Fan Groups		High/Low Temps (Actual)	Enter Tunnel Temperature	——OR——		Water Drop		Test Digital Input	
Compile Options	Avg Air Speed 1-4	Pit Fan Groups		Avg Air Speed	Exit Tunnel Temperature	Building Purge Setting		Static Pressure Stays Above X.XXX for X:XX			
Copyright Information	Avg Air Speed 5-8	Ridge Fan Groups		Avg Outside Temp	Remain in Tunnel Time	Purge Time On/Delay		Static Pressure Stays Below X.XXX for X:XX			
	Avg Air Speed 9-12	Vari-Stir Fan Groups		Avg Humidity	Today's Age	Humidity Purge Setpoint		Fan ON Stat Press Below X.XXX for X:XX			
	Relative Humidity	Vari-Side Fan Groups		Static Pressure Setpoint	Ramp Point / Age / Temp	Humidity Purge On/Delay		Humidity Sensor Reading is Invalid			
	Static Pressure	Vari-Tunnel Fan Groups		High/Low Static Pressure	Temperature Ramp Offset	Purge Inhibit Low/High Temp					
	Ventilation Mode	Vari-Pit Fan Groups		Purge Cycles (Humidity/Timed)	Floor Type						
	Animal Stress Index	Vari-Ridge Fan Groups		Stress Index	Close Curtains Below Outside Temp						
		Cool Pad Low Groups		Brooder Grp ON Time							
		Cool Pad High Groups		Furnace Grp ON Time							
		In House Fog Groups		Heater Grp ON Time							
		Mister Groups		Stir Fan Grp ON Time							
		Side Curtain Groups		Sidewall Fan Grp ON Time							
		Sidewall Inlet Groups		Tunnel Fan Grp ON Time							
		Tunnel Inlet Groups		Pit Fan Grp ON Time							
		Ceiling Inlet Groups		Ridge Fan Grp ON Time							
		Ridge Vent Groups		Vari-Stir Fan Grp ON Time							
		Chimney Damper		Vari-Side Fan Grp ON Time							
		Feeder Groups		Vari-Tunnel Fan Grp ON Time							
		24 Hr Feeder Run Time		Vari-Pit Fan Grp ON Time							
		Feeder Run Time		Vari-Ridge Fan Grp ON Time							
		Light Groups		Cool Pad Low Grp ON Time							
		Digital Alarm Groups		Cool Pad High Grp ON Time							
		24 Hr Water Used		In House Fog Grp ON Time							
		Total Gallons Used		Mister Grp ON Time							
				Side Curtain Grp Avg Open							
				Sidewall Inlet Grp Avg Open							
				Tunnel Inlet Grp Avg Open							
				Ceiling Inlet Grp Avg Open							
				Ridge Vent Grp Avg Open							
				Chimney Damper Avg Open							
				Feeder Grp ON Time							
				Water Meter Amount Used							
				System Restart Incidents							

Note: Some menu items will not be visible if devices/equipment have not been installed.

Legend

- Bird Only
- Hog Only
- Multi-Zone Controllers Only
- EET Capable Controllers Only
- 12-Channel Controllers Only


```
CONTROL EQUIPMENT STATUS          CH 07
Tunnel Fan Group #1: OFF
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Press the LEFT and RIGHT arrow keys to navigate horizontally through the menus. Press the UP and DOWN arrow keys to navigate through the submenus within a particular category.

General Navigation GT16_32 PLUS.eps


```
SENSOR CALIBRATION & SETTING
Air Sensor #01 Cable Length:   25'
```

Press the PLUS or MINUS keys to move from Air Sensor #01 to a different air sensor such as Air Sensor #13.

Navigation Example GT PLUS.eps


```
SIDEWALL FAN GROUP #1 SETTING       CH 09
ON Timer:  0:30:00  OFF Timer:  0:20:00
```

When editing a timer setting, press the LEFT or RIGHT arrow keys to move between hours, minutes and seconds. Press the PLUS or MINUS keys to increase or decrease the value. You can hold down the PLUS or MINUS keys to rapidly increase or decrease a value.

Time Set Example GT16_32 PLUS.eps

Raydot, LLC
145 Jackson Avenue
Cokato, MN 55321

Phone:
1-800-328-3813
1-320-286-2103

Fax:
1-320-286-2104

Device / Equipment Settings

A. System-wide Parameters

1. Press Enter at the <u>Press Enter to View Settings</u> menu. Press the Left arrow key until you see the <u>System & Control Device Set-Up</u> menu.

2. Use the menu down arrow (▾) to view the following selections:

   - Time Set-Up
   - Date Set-Up
   - Power Up Load Delay Time
   - Press Enter to List Control Devices
   - Press Enter to Add a Control Device
   - Press Enter to Change a Control Device
   - Press Enter to Delete a Control Device
   - ▨ Press Enter to Add a New Zone
   - ▨ Press Enter to Delete a Zone

3. To add your first device, press Enter when you see the <u>Press Enter to Add a Control Device</u> selection. Then, continue to step #4.

NOTE: A Global Parameters menu appears within the DEVICE/EQUIPMENT SETTINGS menu if you delete all of the installed devices. Global Parameters allows for basic configuration such as Hogs or Birds, English or Metric measurement, and Fahrenheit or Celsius temperature.

4. The following is the list of devices as they display: use the (+) or (−) key to navigate from one device to the next.

Feeder	Furnace
Lights	▨ Brooder
Vari-Ridge Fan	▨ Heater
▨ Vari-Pit Fan	Chimney Damper
Vari-Tunnel Fan	Ceiling Inlet
Vari-Side Fan	Tunnel Inlet
Vari-Stir Fan	Sidewall Inlet
Ridge Fan	Ridge Vent
▨ Pit Fan	Side Curtain
Tunnel Fan	Position Sensor
Sidewall Fan	Digital Alarm
Stir Fan	Water Meter Sensor
▨ In House Fog	Humidity Sensor
▨ Mister	Static Pressure Sensor
Cool Pad High	Feed Sensor
Cool Pad Low	Outside Air Sensor
	Air Sensor

5. Once you have located and selected the device to add, use the left or right menu arrows (◂ ▸) to move the cursor (_) to the desired setting (channel, etc.). To change the default number, use the (+) or (−) keys.

6. Press Enter to accept the settings and then press Enter again to confirm the settings.

The controller returns you to the <u>Add a Control Device</u> selection (Step # 4) to select another control device.

When you are done adding devices, proceed to part B—Device Parameters.

Notes: The number of devices that can be installed varies depending on the controller model you have. Pressing the Cancel key allows you to back out of a selection if no changes are desired or if you enter a selection unintentionally.

B. Device Parameters

1. When your input and output devices have been entered, use the left or right menu arrows (◂ ▸) to locate the devices just installed so that you can enter your detailed parameter settings.

2. Listed below are the possible device names.

   Note: If you do not install a device, the menu heading will not be displayed.

3. Once you have located the desired menu, use the up and down menu arrows (▴ ▾) to locate device parameters.

Use the left or right menu arrows (◂ ▸) to navigate between devices.

Once you have located the desired menu, use the up and down menu arrows (▴ ▾) to locate device parameters.

Feeder and Lights	Stir, Sidewall, Tunnel, Pit and Ridge Fans	Variable Speed Stir, Sidewall, Tunnel, Pit and Ridge Fans	Brooder, Heater and Furnace	Cool Pad Low / High, In House Fog and Mister	Side Curtain	Sidewall, Tunnel and Ceiling Inlets	Ridge Vent	Chimney Damper	Digital Alarm	Position Sensor	Sensor Calibration and Setting
Setting #X ON at 0:00, OFF at 0:00 { 0:00-24:00}	Use Sensors	Use Sensors	Use Sensors	Use Sensors	Use Sensors	Static Pressure Pause Timer	Use Sensors	Cool Fans ON X, Open Size	Trigger Alarm on Active Input?	Attached To	Air Sensor Cable Length
(X = 1 - 9)	Operating Mode	Operating Mode	ON Temp / OFF Temp	Time of Day to Enable / Disable	Static Pressure Pause Timer	Operate As	Open Temp / Close Temp	Interlock Y to Fan	Input is Active When	Calibrate	Air Sensor Wire Gauge/Diameter
	ON Temp / OFF Temp	ON Temp / OFF Temp	Interlock Curtain Grps	Humidity Disable / ReEnable	Open Temp / Close Temp	Cool Fans ON X, Open Size	Open This Distance & PAUSE	Full Opening Size	Alarm Delay Time	Enable Position Alarm?	Air Sensor Location
	Run Mode	Fan ON Power Setting		Temp+Humidity Disable / ReEnable	Open This Distance & Pause	Natural Interlock Y to Fan	Close This Distance & PAUSE	Full Open Travel Time			Air Sensor CAL Values
	ON Timer / OFF Timer	Power Ramp Start Temp		FULL ON Temp / OFF Temp	Close This Distance & Pause	Tunnel Fans ON X, Open Size	Response Mode	Full Close Travel Time			Use for Wind Speed
	Run While ENTRY/EXIT of Tunnel Mode?	FULL Power Temp		Cycle #X ON Temp	Operate As	Tunnel Interlock Y to Fan	Full Opening Size	(X=0 - 9) and (Y=1 - 9)			Humidity CAL 1 Value
	Use for Proportional Control?	FULL Power Setting		Cycle #X ON Timer / OFF Timer	Tunnel Fans ON X, Open Size	Full Opening Size	Full Open Travel Time				Humidity CAL 2 Value
	Fans OFF at Curtain Opening	Run Mode		Minimum ON Temp	Tunnel Interlock Y to Fan	Full Open Travel Time	Full Close Travel Time				Static Pressure ADC Cal 1
	Fan OVERRIDE Curtain Open	ON Timer / OFF Timer		Min Temps	Response Mode	Full Close Travel Time	Purge Opening Size				Static Pressure ADC Cal 2
		Timed Power Setting		(X=1 - 4)	Full Opening Size	Purge Opening Size	Interlock Curtain Groups				Static Pressure WC Cal 1
		Purge Mode Power Setting			Full Open Travel Time	Pre-Open Timer					Static Pressure WC Cal 2
		Run While ENTRY/EXIT of Tunnel Mode?			Full Close Travel Time	(X=0 - 9) and (Y=1 - 9)					Feed Minimum / Actual
		Use for Proportional Control?			Purge Opening Size						Feed CAL Value
		Fans OFF at Curtain Opening			Pre-Open Timer						Water CAL Value
		Fan OVERRIDE Curtain Open			(X=0 - 9) and (Y=1 - 9)						