

EXPERT™

CONTROL SYSTEMS



UNLOCK BETTER PERFORMANCE

TRUST THE EXPERTS

Our wide selection of EXPERT™ controllers give you the power to monitor and manage your environmental systems with greater efficiency and performance.



EXPERT™ SERIES CONTROLS

- Zoning of heaters, inlets and circulation fans with up to eight inside temperature sensors.
- Power save feature allows smaller less efficient fans to be switched off as the temperature rises.
- Seamless ventilation steps between stages when using variable speed fans.
- Separate day/night set points and minimum ventilation settings.



RECORDING FEATURES

- Heater run-time up to 75 days.
- Run-time of up to four feed systems for up to 75 days.
- High and low temperature history for up to seven days.
- Animal count, age and mortality.

OTHER FEATURES

- Alarm that monitors up to ten functions; 16 are monitored in the Series II and 11 in VT110.
- Up to two timed outputs for feed systems, water or lights.

OPTIONAL FEATURES

- Humidity sensor input - Compensates heaters, min. ventilation rate based on humidity.
- Static Pressure input - Compensates inlets according to static pressure.
- Water meter inputs - Gives alarm in event of water spill.
- Backup safety relay system available for added protection.



Scan the QR code to learn more about our EXPERTS.

TC5 SERIES VENTILATION CONTROLS

Sophisticated yet simple to program and operate. These controls are designed and manufactured for specific applications such as natural, tunnel or power/natural ventilation.

- Up to four temperature sensors averaging temperature.
- High/low temperature retention.
- Set point and minimum ventilation curves.
- Overload and over voltage protection.
- Zoned or cascading heat stages.
- Alarm output.
- De-icing cycle on second stage variable fans.



TC5 OPTIONAL FEATURES

- Humidity sensor input.
- Air inlet control using TC5-ITA timed logic or PF-6 inlet position module and potentiometer.

HML SERIES VARIABLE CONTROLLERS

Power module is capable of varying the intensity of lights, heat lamps, heat mats or fans.

- Compatible with most dimmable CFL's (compact fluorescent lights) including CCFL (cold cathode).
- Adjustable output intensity curves.
- Seven light curves adjust electronic (CFL) and incandescent lamps.
- Ten fan curves are available to optimize variable fan speed range.
- Available in automatic or manual control.
- Sunset/Sunrise built in (with clock input).
- True by-pass on Manual.
- Available In 1200, 2400 and 4800 Watt capacities.
- 0-10 or trig signal can be used as inputs to the module.
- EDGE, EDGE 2, and Experts can control the module.



HML-40



HML-80

	EXPERT II	EXPERT WW	EXPERT VP-18	EXPERT VT110	EXPERT PN110	EXPERT NATURAL
Total Relays	20 or 36	20 or 36	10	14	14	24
On/Off Relays	12 or 24	12 or 24	8	10	10	12
Actuator Outputs (Open & Close)	4 or 6	4 or 6	1	2	2	6
Heat Stages	6	8	2	2	3	4
Brooder Stages	1	N/A	1	1	1	1
Fan Stages	12	12	8	8	8	N/A
Variable Stages	2	0	2	2	2	N/A
Tunnel Stages	2	2	N/A	1	N/A	N/A
Natural Stages	2	2	N/A	N/A	2	6
Inlet Stages	2	2	1	1	1	N/A
Chimney Stages	N/A	N/A	N/A	N/A	N/A	2
Stir Fan Stages	1	N/A	1	1	1	2
Clock Outputs	2	2	2	2	2	2
Mist Stages	1	1	N/A	N/A	N/A	N/A
Cooling Stages	1	1	1	1	1	1
Soaking Stages	1	N/A	1	1	1	1
Light Outputs	1	1	N/A	N/A	N/A	N/A
Feeder Outputs	2	4	N/A	N/A	N/A	4
Back Up Relay Output	1	1	1	1	1	N/A
0-10 Volt Outputs**	2	2	2	2	2	2
Alarm Output	1	1	1	1	1	1
Weather Station Capable	Yes					
Variable Heat	Yes					

Inputs

Inside Probes	8	8	6	6	6	8
Outdoor Probes	2	2	1	1	1	1
Inside Humidity Probes	1	1	1	1	1	1
Outdoor Humidity Probes	1	1	N/A	N/A	N/A	N/A
Static Pressure Probes	1	1	1	1	1	N/A
Water Meter Inputs	9	9	1	1	1	1
Feeder Inputs	2	4	4	4	4	4
Whisker Switch Inputs	2	2	N/A	N/A	1	N/A

**0-10 Volt outputs can be used for variable fans, heat lamps & inlets.
See manual for specific details.



For more information on
AP controls and monitoring
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