

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
- PC compatible

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



The VAL-CO Family

Watering Systems

• Feed Bins, Fill Systems

Feeders

Ventilation Fans

Inlets

Lighting

Heaters

Evaporative Cooling

Whole House ControllersTM

Incinerators

• Crates, Stalls, Penning

Flooring

Electronic Weighing/

Sorting Systems

People. Products. Solutions.





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



Specifications

TEMPERATURE RANGE

Operation: From 32° F to 122° F (0° C to 50° C) **Storage:** From -4° F to 131°F (-20° C to 55° C) **Readout:** From -40° F to 120° F (-40° C to 48.9° C) **Adjustable set point:** From -40° F to 120° F (-40° C to 48.9° C)

POWER SUPPLY

Circuit protection: Feed overload and over-voltage protection (outputs)

OUTPUTS

2 variable and 2 on/off 2 variable and 4 on/off 113 1 variable and 5 on/off (including curtain relays)

214 2 variable and 6 on/off (including curtain relays) 224 2 variable and 8 on/off (including curtain relays)

Fan motor curves:...... Choice of 10 motor curves for variable speed fans Alarm relay: 30 V, 1 A, NO & NC, 1 A fuse (general purpose)

On/Off relays: 1 HP @ 250 VAC; 0.5 HP @ 125 VAC

10 A @ 125/250 V (RES.)

Expansion capabilities: Yes

TEMPERATURE PROBES

No. of temperature probes:..... 22 & 24 Standard: 1 indoor, Optional: 3 additional indoor

> 113/224 Standard: 1 indoor/1 outdoor

> > Optional: 3 additional indoor sensors

224 Standard: 2 indoor/1 outdoor

Optional: 2 additional indoor sensors

No. of wires: 2

Temperature range:..... -40° F to 168.8° F (-40° C to 76° C) **Resistance:.....** 1k Ω , at 77° F [25° C +/-1.8° F (1° C)]

RELATIVE HUMIDITY PROBE

No. of relative humidity probes: ... 1

Model: RH VAL-CO

Relative humidity range: 10% to 90%

HOUSING Depth Height Width

Weight: 6 lbs. (96 gm)

Material: PVC

Norms:.....NEMA

*Water and dust-tight; protected both indoors and outdoors against splashing water, seepage and falling water or hose-directed water and severe external condensation.

Call your local VAL-CO representative or distributor for more information on these and our other fine products.

North America:

Phone: 800.99VALCO (800.998.2526)

Fax: 419.678.2200 E-mail: sales@valcompanies.com

International: Phone: 717.392.3978 Fax: 717.735.1800

E-mail: intl.sales@valcompanies.com LIT26018 ©2006 VAL-CO 05063K