



# Take Control to a Whole New Level!

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

## Features & Benefits:

**The VAL-CO family of products provides all your equipment needs.**

- Complete Housing Systems
- Breeder Systems
- Feeding Systems & Storage
- Watering Systems
- Controllers
- Heating and Cooling
- Fans, Inlets & Chimneys
- Scales
- Cremators

- **Easy to Use:** large, rugged, touch screen display shows all your important information. Simple, intuitive software guides you through setup and initial programming.
- **Modular components:** make troubleshooting and maintenance fast while leaving ample workroom..
- **Multiple programs and multiple zones:** to control virtually any barn configuration.
- **Remote access:** through any web-enabled computer.
- **Dual alarm relays:** allow you to specify major and minor alarms and choice of local and remote notifications.
- **Smooth minimum vent curve:** reduces disruptions to delicate chicks and poults; options to automatically adjust minimum ventilation based on humidity and outside temperature.
- **Optional wear leveling:** helps balance motor wear across tunnel fans.



**Performance You Can Count On**

**HORIZON®**  
WHOLE HOUSE CONTROL

## Specifications

### TEMPERATURE RANGE

**Operation:** . . . . . From 32° F to 104° F (0° C to 40° C)  
**Storage:** . . . . . From -4° F to 131°F (-20° C to 55° C)  
**Adjustable set point:** . . . . . From -40° F to 120° F (-40° C to 48.9° C)

### POWER SUPPLY

**Voltage:** . . . . . 115 to 230 VAC  
**Frequency:** . . . . . 50 to 60 Hz  
**Circuit protection:** . . . . . Feed overload and over-voltage protection (outputs)

### OUTPUTS

**No. of outputs:** . . . . . 42 - on/off relays  
4 - 0-10V analog outputs

**Alarm relays:** . . . . . 2 - 24 V, 20 A, NO & NC  
**On/Off relays:** . . . . . 1.5 HP @ 250 VAC; 1 HP @ 125 VAC  
**Expansion capabilities:** . . . . . Yes

### INPUTS

**Digital or analog:** . . . . . 24

### HOUSING

#### Main Unit

	Height	x	Width	x	Depth
<b>Nominal Dimensions:</b> . . . . .	16 in. (41 cm)	x	14 in. (36 cm)	x	8 in. (20 cm)
<b>Weight:</b> . . . . .	24 lbs. (10.9 kg)				
<b>Material:</b> . . . . .	Polycarbonate				
<b>Norms:</b> . . . . .	NEMA4X				

#### Expansion Unit

	Height	x	Width	x	Depth
<b>Nominal Dimensions:</b> . . . . .	18 in. (46 cm)	x	16 in. (41 cm)	x	10 in. (26 cm)
<b>Weight:</b> . . . . .	28 lbs. (12.7 kg)				
<b>Material:</b> . . . . .	Polycarbonate				
<b>Norms:</b> . . . . .	NEMA4X				

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



Some of the various screens you will see on the Horizon Controller.

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:** (+1) 419-678-2200

**E-mail:** sales@val-co.com

#### International:

**Phone:** (+1) 419-678-8731

**Fax:** (+1) 419-678-2200

**E-mail:** intl.sales@val-co.com



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[www.val-co.com](http://www.val-co.com)