

EZ-400 Vivarium Controller

Total Naturalistic Environmental Simulation
Control Temperature, Light, Humidity, and More
- with Seasonal and Time of Day Variations!



Simulate the Rhythm and Cycles of Nature

Variety is the Spice of Life ... so why should your herps live in a stagnant, unchanging vivarium ecosystem?

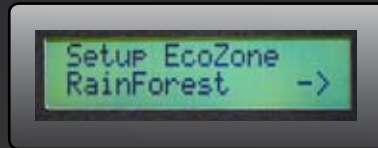
Wouldn't life be dull if every day sunrise and sunset occurred at exactly the same time, and with exactly the same intensity? Every day day a steady 86 degrees with 76 degrees at night? And, the change from day to night/night to day, at 8:00am and 8:00pm?

It doesn't have to be that way for your herps! The EcoZone Vivarium controller provides complete programmability over a 24 hour day and 12 month year, AND easy setup, for the most realistic vivarium ecosystem ever!

Easy Set-Up



Connect Your Equipment



Pick Your EcoZone



Adjust Your Settings

Flexible Functionality



Dusk/Dawn Lighting
with dimming and ramp



Heater
proportional or on/off



Timed Mister
programmable duration
6 on times



Basking Spot Lighting
with dimming and ramp



Cooling
proportional or on/off



Lunar Lighting
programmable intensity

Ultimate Control

Vary all daily parameters on a monthly schedule to create a totally natural vivarium environment

Program unique on/off times, lighting intensities, temperatures, mist times/intervals, and more over the 12 month calendar



Daily and Monthly Schedules

Advanced Features

Four 450W AC Line Outlets
Full proportional power control

15Amp AC Breaker
Enhanced Protection



I/O Output
Control Low Voltage Accessories

I/O Input
Sense inputs, use as an alarm trigger, more!

Four Probe Inputs
each with Temp monitor AND control -
Max 4 sensors per controller!

Unsurpassed Quality

Waterproof Temperature Probes
Rugged 10'



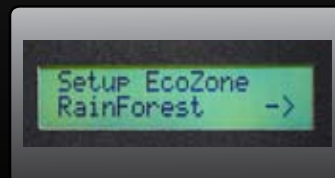
Grounded 12' AC Power Cord
Heavy-Duty, Oil and Water Resistant



Heavy Duty Grounded Outlets
Safety and Reliability throughout



Large, Bright LCD Display
16x2 characters, easy navigation



Feature Specifications

EcoZones

- Rainforest • Woodlands • Dessert • Savannah • 4-Line Heater
-

AC Line Modes

Dusk Dawn Lighting Mode

- On and Off Time of Day
- Ramp Duration (minutes, 0-240)
- Max Power (10%-100%)
- Min Power on ramp-down (10% - 100%)

Basking Spot Lighting Mode

- On & Off Time of Day
- Ramp Duration (minutes, 0-240)
- Max Power (10%-100%)
- Min Power on ramp-down (10% - 100%)

Lunar Lighting Mode

- On & Off Time of Day
- New Moon Day (dd/mm/yyyy)
- Max Power Full Moon (10%-100%)
- Min Power New Moon (10% - 100%)

Cooling Mode

- Temperature High
- Temperature Low
- Temperature High & Low Time of Day
- Control Mode (Proportional, on/off)
- Proportional Mode Power Level (Low, Med, High)
- Hysteresis (1 deg - 5 deg)
- Control Temp Probe # (1-4)

Heater Mode

- Temperature High
- Temperature Low
- Temperature High & Low Time of Day
- Control Mode (Proportional, on/off)
- Proportional Mode Power Level (Low, Med, High)
- Hysteresis (1 deg - 5 deg)
- Control Temp Probe # (1-4)

Timed Mister Mode

- On Time of Day (up to 6 times/day)
 - Mist Duration (seconds, 1-295)
-

Input/Output Modes

I/O Input

Alarm Trigger Mode • Input Trigger Mode (trigger AC line shutoff, IO output, or both)

I/O Output

Timed On/Off Output (up to 6 cycles per day)
Flasher/Strobe Mode (storm simulation)

Unit Features

Alarms

OverTemp Alarm Mode- w/ Programmable Temperature Threshold • Input Trigger Alarm Mode
Alarm Actions: Audible, Shutdown, Audible + Shutdown

Remote Management & Control

Software Upgradable - Never Obsolete!
HTTP Web Interface w/ Secure Login
Monitor temperature, lighting, operation

Hardware Specifications

AC Line Outlets (4)

- 110/120VAC 4A (450W per outlet)
- Dimmable 10-100% (5% increments)
- Safety Ground

Misc

- 10/100 Ethernet HTTP interface

Probe Inputs (4)

- Temperature -20 - 160 Deg +/- 1 Deg Fahrenheit or Celsius

Input / Output (1)

- Input Contact Open, Contact Closed (selectable)
- Output Normally Open, Normally Closed
- Output Isolated Relay Contacts 24V 2A Max