



**Acoustic & Vibration  
Isolation Specialists**

# Temperature Stability User Guide



Helping Researchers Remove Thermal  
Fluctuations from Impacting Their Research

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# Overview

The acoustic enclosure is heated from the base plate using localized heat sources. A PID loop maintains the temperature of the enclosure at the provided thermocouple, which is positioned near the top-center of the enclosure. The temperature of the enclosure has been tuned to 31 °C, with +/- 0.3 °C thermal stability.

**NOTE:** If a new thermocouple location is desired, contact Herzan for further instructions.

# Start-Up

1. Attach the power cord supplied to the back of the temperature controller located on the right front side of the frame.

**NOTE:** The power to the system should be on a 20 A circuit and must not exceed 20 A.

2. Turn the power switch ON, which is located on the front panel of the controller.
3. Adjust the set point of the temperature stability feature, which is currently set to 29 °C.

**NOTE:** The set point can range between 25 °C and 31 °C. The recommended set point for is 5 °C to 9 °C above ambient temperature. Allow approximately two to three hours for the enclosure and internal components to reach and maintain the set temperature. The variance in time is dependent upon many factors, including:

- Ambient conditions
- Mass
- Thermal conductivity of internal components
- And more

**NOTE:** There is a door switch that turns the heating sources off when the door is open. To continue operating the heating source, which governs the temperature stability mechanism of the controller, close the doors to the enclosure.

**NOTE:** This system is set with the following parameters: hPB= 10; ti=1678; td=289

# Controller Display

## USER INTERFACE

**Infinity Key:**

- Exits to previous menu or page

**Advance Key:**

- Displays next menu item



Sensor Temperature

**Arrow Keys:**

- Change settings
- Hold both for Operation or Setup page

Adjustment Set Point

Sensor Temperature

### Special Display Characters

h = H, h	H = K, k
l = l, i	l = 1
u = U, u	u = V, v
m = M, m	w = W, w
t = T, t	z = Z, z, 2

## Agency Approvals

- UL® listed
- CSA
- CE
- RoHS
- W.E.E.E. FM
- SEMI F47-0200
- Class I
- Div. 2 rating on selected models

## Contact Us

If you have any questions about your acoustic enclosure or would like to speak to a Herzan sales representative about future applications, please don't hesitate to contact us at any time.

### Sales:

- Email: [sales@herzan.com](mailto:sales@herzan.com)
- Phone: (949) 363-2905 Extn. 300

### Support:

- Email: [support@herzan.com](mailto:support@herzan.com)
- Phone: (949) 363-2905 Extn. 305

## Connect With Us

There are many ways in which you can connect with us and stay current on the latest developments at Herzan.



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