



**BARTLETT** Instrument Company

# Getting An Err1? Here's a Quick Test To Start Troubleshooting!

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The Bartlett 3K controller displaying the "Err1" indicating the temperature isn't rising fast enough.

Err1 can occur for a variety of reasons on any one of your Bartlett kiln controllers. To speed the troubleshooting process, start with a Full Power Test to help determine the problem. First, we need to know what Err1 means for your kiln and controller. Err1 indicates the kiln's temperature is rising too slow (Less than 12 deg/hr. over a 22.5 min. period) during a ramping phase.

The Full Power Test is used to check the relays and elements of your kiln.

Program a 1-segment Ramp-Hold program, as fast as possible to 1000°F with no hold or program a Fast Glaze program to cone 04. Leave the lid open and start the firing. After 10-20 min. visually inspect the elements. The following observations are possible:

- One section of the kiln is dark and not turning on. - Indicates a defective relay.
- One element is not glowing at all. - This indicates a broken element or wire.
- There are darker spots along the elements. - This indicates worn elements.
- The top and bottom elements appear brighter. - This is normal for many kilns which have hotter elements on the top and bottom

Look for our next Enewsletter where we'll cover more solutions to an Err1. If you've got a problem with your controller, give us a call and our tech can walk you through the solution!

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