

# Digital Temperature Control Made Simple

A digital kiln or furnace uses only six basic parts to control heat. Understanding how they work simplifies trouble-shooting.

- 1. Fuse:** Helps protect the controller from power surges.
- 2. Transformer:** Reduces the power to 24 volts AC, which operates the controller.
- 3. Digital controller:** Controls temperature and rate.
- 4. Thermocouple:** Senses temperature. The tip protrudes into the firing chamber.
- 5. Relay:** Turns the heating elements on and off. Receives a signal from the controller.
- 6. Heating elements**

