Indicated temperature fluctuates

Condition:
Temperature fluctuates erratically.
The temperature display jumps 15 degrees or more during the firing.

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Start

Do you have a good thermocouple with good connections on all thermocouple wiring connections?

Yes

Is there continuity from ground on plug end to the steel body bands on the kiln?

No

Replace thermocouple and/or thermocouple wiring and connections.
NOTE: USE ONLY MANUFACTURER SUPPLIED THERMOCOUPLE WIRE AND CONNECTORS. COPPER WIRE AND OTHER TYPES OF THERMOCOUPLE WIRE AND CONNECTORS WILL CAUSE PROBLEMS!

The ground wiring of the kiln has become disconnected. Check the schematics in the back of your owners manual and repair the ground wiring.

Yes

Is the receptacle to the kiln properly grounded?

No

A good ground is very important for the electronic circuitry. An initial test for a proper ground is to measure voltage from each phase wire to the ground. If you do not measure any voltage then the ground connection is broken.

Yes

Is there a small star washer between the touchpad and red box in the right lower corner of touchpad?

No

Some small fluctuations may be corrected by improving the grounding of the touchpad to the red box. Unscrew the bottom right screw of the touchpad and sand the paint off then place a star washer between back of touchpad and red box where the screw is located.

Yes

Some areas are more susceptible to radio frequency disturbances than others. You may be in one of those areas. If your touchpad is 4 years old or more and it never displayed this problem before then change your touchpad.