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## APPENDIX 1

# KilnMaster Controller Specifications and Capabilities

The kiln-mounted controller on Skutt KM-series automatic kilns and Wall-mount KilnMaster controller have the same specifications.

Thermocouple: Type K

Electronic cold junction compensation

Power supply: 24 volt center tap transformer

Output: Drives up to three 12 volt D.C. relays

Fuse: 1/2 Amp, 250 Volt

Control Panel: Sealed Touch Pad, washable

### **Control capabilities:**

Delay Firing Start: up to 99 hours and 99 minutes

Cone Fire Mode: Entry by cone number, 3 firing speeds, Cone 022 to Cone 10.

Ramp/Hold Mode: Entry by temperature, create programs from 1 to 8 segments. Each segment can specify a rate of heating or cooling to a specified temperature with an optional hold, to maximum temperature of 2,400<sup>0</sup> F. Stores up to six complete programs.

Electronic Cone Table: Converts cone numbers to temperature.

Program Review: Review program and current segment during firing.

Temperature Alarm: Adjustable to desired temperature.

Safety features: Power Failure Detection, Thermocouple Failure Detection, Microprocessor Fault Detection.

Designed and manufactured in the USA.