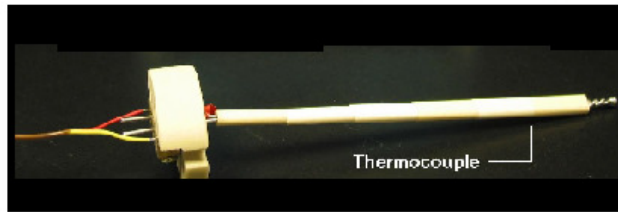




Autofire®Express Stand-Alone Controller



Setup and Installation Guide



Power requirements

Power requirements vary depending on the controller model you have selected. Refer to the serial number label on the controller for the appropriate voltage and current requirements. The controller contains relays that turn the kiln elements on and off. Relays will make clicking noises during normal operation. Connect the power cord plug to a properly grounded, compatible power source outlet.

Output power

Do not exceed the maximum rating of the outlet receptacle. Connect the power cord from your kiln or oven to the receptacle on the side of the controller.

Thermocouple installation

If required; attached the thermocouple probe to the connector block. The red wire should be connected to the (-) terminal and the unmarked wire to the (+) terminal.

The Thermocouple probe must be installed through the kiln wall. The thermocouple wires should not contact any part of the metal shell of the kiln to prevent grounding. An existing peep-hole may be used if Fiber blanket or other high temperature insulating material is packed around the thermocouple for an insulated and snug fit. Drilling a hole in the kiln wall or lid may be necessary for installation. Holes should be drilled over-sized in the metal (snug through the refractory) to prevent contact between the thermocouple and metal kiln wall.

- Inside the kiln - 1 to 2 inches of the thermocouple should be visible. Shortening the thermocouple length will not harm the controller performance.
- Outside the kiln - the thermocouple connector block should be fastened securely to the kiln wall with sheet metal screws.
- For best performance, do not install the thermocouple near the kiln door or lid openings.

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