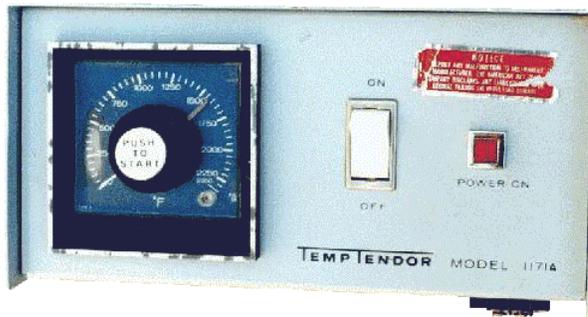


## Upgrading *TempTendor Model 1171A* Kiln Control Systems



We receive frequent calls seeking service assistance for the TempTendor Model 1171A kiln controllers. These controls were sold on American Art Clay Company (AMACO) kilns several years ago.

The API Instrument Company of Chesterland, Ohio (now Triplett Corporation ~ <http://www.triplett.com>) manufactured a variety of temperature controllers and temperature limit controllers under the "TempTendor" tradename. The Model 1171A was a proprietary assembly apparently manufactured exclusively for AMACO.

When deemed non-repairable, these *TempTendor* systems can be conveniently upgraded with our *KilnTroller II* OEM Installation Kit. This kit provides everything needed to replace the API Model 232 Automatic Temperature Controller, which is the heart of the TempTendor 1171A system. The kit includes an "Interface Panel" which mounts in the hole formerly used for the "232".

The existing contactor (power relay) and temperature sensor may be used with the new control system, so wiring changes are minimal and easily completed.

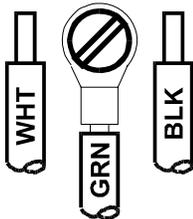
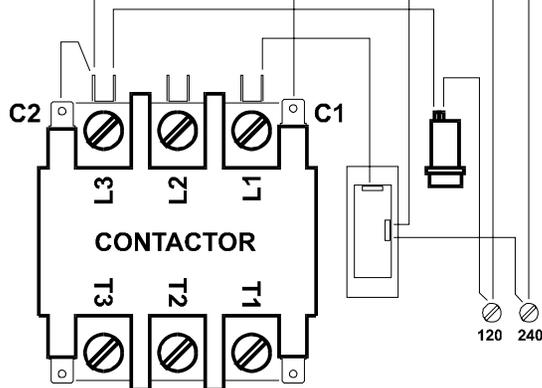
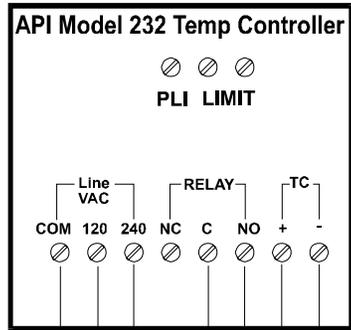
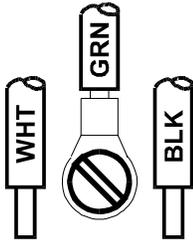
The modification procedure is as follows:

1. Remove the API Model 232 Temperature Controller from the TempTendor unit.
2. Center the full-scale paper template provided with the kit over the square cutout, and carefully mark the centers of the eight holes for the Interface Panel. (*Note: If we are aware that you've ordered the kit to update a TempTendor unit, we'll ship a special Interface Panel which will fully cover the 3-1/2" x 3-1/2" cut-out. If you have received a standard (smaller) Interface Panel, please contact us to request the larger panel.*)
3. Drill and deburr these eight holes as indicated on the template.
4. Temporarily remove the Interface Panel's circuit board from the panel, slip the four stand-offs of the panel through the four over-sized holes you drilled in the face of the 1171A box, then reassemble the circuit board to its panel.
5. Fasten the Interface Panel and the blanking panel using six #6 self-tapping screws.
6. Rewire the 1171A box according to the wiring diagram provided with the kit.
7. This completes the modification. Close the 1171A box and refer to the KilnTroller instruction sheet to check out the installation.

# Original System

## INPUT POWER CABLE

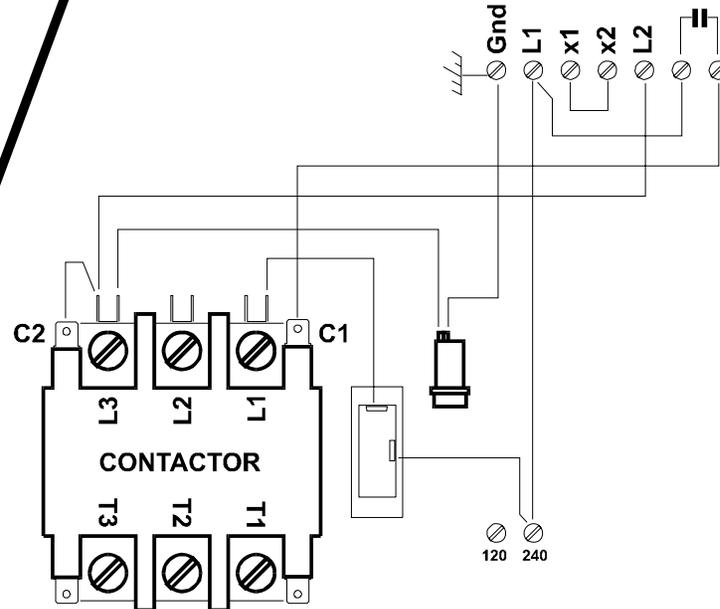
208 - 240 vac 50/60 Hz



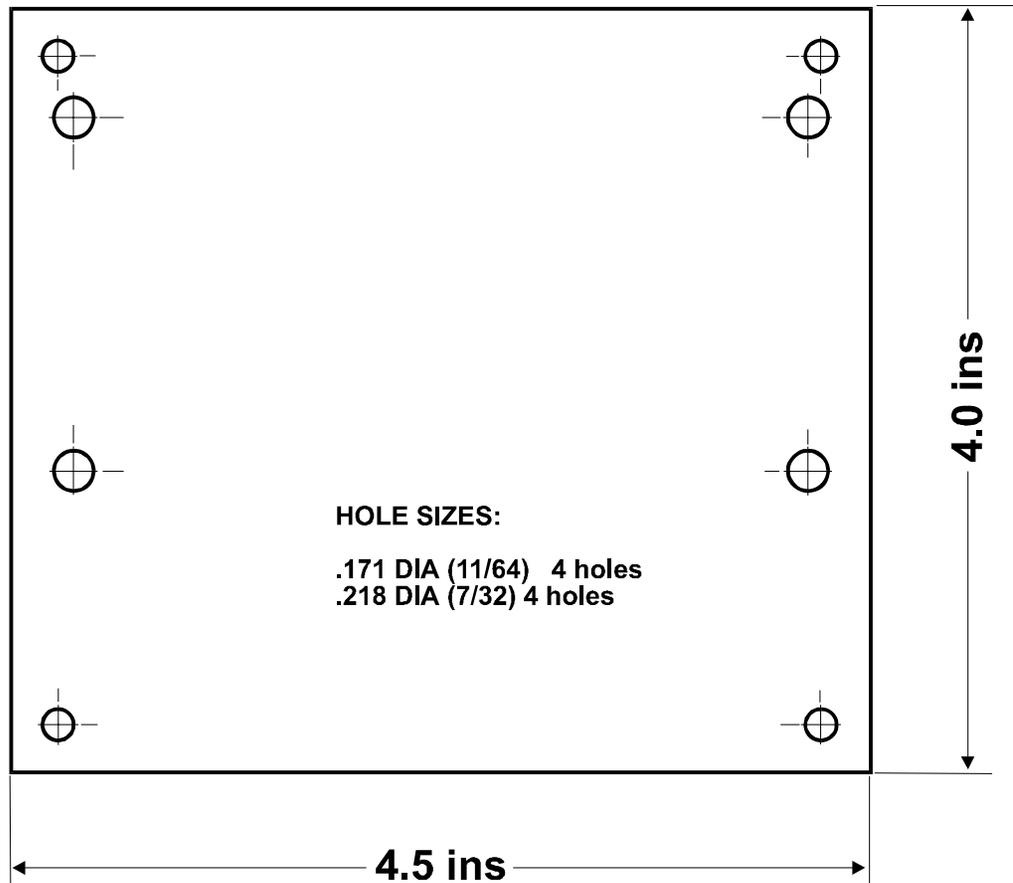
## OUTPUT CABLE TO KILN OR LEHR

# After Modification

## Interface Panel



TITLE		
<b>WIRING DIAGRAM</b>		
Converting from <i>TempTendor 1171A</i> to <i>KilnTroller II</i>		
SCALE		DRAWN BY <i>GLW</i>
DATE <b>2 May 96</b>		REV
USED ON	DRAWING NO.	
<i>KilnTroller II</i> OEM Installation Kit	<b>470749</b>	



**NOTE:** When printing this template set your graphics software to print it at 100% ... not "adjust to page size".

TITLE			<b>DRILLING TEMPLATE PANEL, Interface (TempTendor Retrofit)</b>		
SCALE	<b>FULL</b>		DRAWN BY	<i>GLW</i>	
DATE	<b>3 May 1996</b>		REV		
USED ON			DRAWING NO.		
<b>016022</b>			<b>470751</b>		

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