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A Alcohol Still Distillation Process Controller System

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**FINAL REPORT
FOR A
ALCOHOL STILL DISTILLATION PROCESS
CONTROLLER SYSTEM**

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Electrical Engineering Technology
27 April, 1993

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27 April, 1993

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ABSTRACT
OF A
ALCOHOL STILL DISTILLATION
PROCESS CONTROLLER

Because of the importance of temperature and process monitoring in the alcohol distillation process, I have developed a high technology low cost dedicated process controller system to alleviate the necessity for the still operator to constantly monitor the still during the distillation process.

The dedicated process controller system consists of one temperature sensor which will be monitored by the microcontroller and one level activated switch which will also be monitored by the microcontroller. If a predetermined temperature or liquid level is exceeded, the energy to the hot plate will be cut off and the still will cool down, thus halting the process until the operator takes corrective action.