

Design of sensor module in dangerous temperature warning system with ADC/LM35

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Abstract: This topic focuses on designing and implementing a temperature sensor module based on ADC and LM35 to provide an automatic warning solution when the temperature exceeds a safe threshold. Through experimentation, the topic aims to determine the performance of ADC/LM35 in temperature measurement and build an effective warning system. The expected research results will contribute to enhancing monitoring capabilities and rapid response to dangerous situations caused by temperature fluctuations, thereby enabling industries to control safer working environments.

Keywords: Temperature sensor, ADC/LM35, warning system, automatic measurement, temperature management