

Circuit design, programming for monitoring and controlling the temperature of a heating furnace.

Tan Le Hieu

Abstract: This topic focuses on electronic circuit design, programming a monitoring and control system for temperature in a heat furnace. In the context of increasing demands for performance and automation in production, the issue of precise temperature control of the heat furnace becomes crucial. The objective of the project is to build a comprehensive solution including control circuit design and monitoring system programming to ensure stable temperature. The research method is based on a combination of control theory and experimentation to develop an automatic adjustment algorithm. The expected result is to create an efficient and reliable system, contributing to improved product quality and reduced operating costs.

Keywords: Temperature control, electronic circuit, monitoring system, heating furnace, automatic control