

Design of automatic fire alarm system

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Abstract: In the context of increasing fire risks in modern construction projects, the design of automatic fire alarm systems plays a crucial role in ensuring the safety of people and property. This topic focuses on researching and deploying an automatic fire alarm system integrating temperature and smoke sensors, with the goal of optimizing detection performance and rapid response to fire situations. Through an approach combining theory and experimentation, this topic aims to provide a complete and flexible technical solution, contributing to enhancing fire prevention capabilities in the community.

Keywords: automatic fire alarm, temperature sensor, smoke sensor, building safety, automation engineering