

Design and construction of an intelligent fire and explosion warning robot

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Abstract: In the context of increasing fire and explosion risks in public areas, this topic focuses on the design and deployment of an intelligent fire and explosion warning robot system. The goal is to build an advanced technological solution to ensure the safety of people and property in emergency situations. The research method is based on a combination of automation technology theory and experimentation to evaluate the system's effectiveness. The expected result is a system capable of automatically detecting and responding quickly to fire and explosion hazards, making a significant contribution to improving safety quality in public places.

Keywords: Robot warning, Automation technology, Fire and explosion safety, Industrial automation, Warning system