

MSPEXP430G2 553 Kit-based Burglar Alarm Circuit

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Abstract: In the context of increasingly serious security threats, this topic focuses on researching and developing an effective burglar alarm system based on the MSPEXP430G2 553 Kit. The main objective is to design and implement an automatic burglar alarm circuit capable of determining the status of protected objects and providing rapid notification upon detecting an incident. The research methodology includes both theoretical and experimental approaches to optimize system performance. The expected outcome is to provide a solution directly applicable in practice, contributing to enhancing security capabilities in critical areas.

Keywords: Burglar alarm circuit, MSPEXP430G2 553 kit, Automatic security system