

Development of an Infra Red Beam Controlled Relay

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Wireless communication applications are increasing rapidly day by day. It has attracted a lot of developers and researchers for its wide range of ability to control the embedded systems. With digital technology, it is possible to manufacture fully automated systems for industry, mining, security, space and house.

This project involves with controlling alternative current through a remote controller. Any IR remote controller can be used for this system to operate. Any button of that particular remote controller can be used also. This makes user to control the equipments easier, faster and with out moving. This system also can be implemented easily as well. There is no need of any expertise.

Switching the device, instruments or machines are important in home, industry and workshop. Basically switching means we can control the machines or instruments by applying electricity. We can control the devices or machines by various kinds of methods, depending on the applications.

Relays are more efficient than normal mechanical switches. In traditional controlling method (manual), it is inefficient when performing the tasks. Their drawbacks include loss of energy, higher response time, complicated wiring systems and difficulties in maintenance. To overcome these kinds of problems, this project targeted reducing these problems and give better service for customers.

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