SYSTEM ALERT

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ABSTRACT

Before any technology is created, men are using their sense to detect and feel something on their surrounding. These techniques have a lot of weaknesses since it will be distract with the surrounding and the range of sense it limited.

Therefore human is trying to create something that will usefully help to make them to sense or detect more effectively. System alert is produced using a few electronics components and using d.c power supply in range of 9V- 12V.

We name it System Alert because it is a universal alert system that we can built anyway we want it. It can be transform to various technique of circuit depends to our needs. We can change it to become alarm to a car, house, or even a lock with a card, and even to use as switch to air conditioner.

The proposed project is to provide a more reliable power supply and more sensitive sensor for the effectiveness sensitivity setting and the direction of the movement. So, it is quite effective system to be used by anyone who wants to know anybody is in their backyard.

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The augment in self-reliance within this project has motivated us to come with more informative, comprehensive and inventive accepted booklet that would not only benefit us but also the future student. UNIVERSITY TECHNOLOGY MARA KEU 380 PROJECT 2

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INTRODUCTION

Background theory

System Alert is a technology of senses that will detect something that moving around 4 until 8 meters by using the transducer which will produced a signal which will trigger an alarm or anything that connected to it output.

This is a very attractive project with many practical applications in security and alarm systems for home users, shops and cars. It consists of a set of ultrasonic receiver and transmitter which operate at the same frequency.

This system is operated when something is move passing the ultrasonic transmitter and receiver where it will detect it and send a pulse signal to any devices that will produce alarm to alert the users there is something moving within the area that covered by the frequency of these two transducers. When something moves in the area covered by the circuit, the circuit fine balance wave is disturbed and it will make the alarm to trigger. The circuit is very sensitive and it can be adjusted to reset automatically or to stay triggered until we reset it manually after an alarm.

System Alert is one of the devices that being use to detect any motion or movement between the area covered by the frequencies. These frequencies are produced by the ultrasonic transducer that is acting as transmitter and receiver. The ideas are to detect any motion within the area covered by these frequencies; it is a very useful if we wan to protect our belonging from being strip. We can change it functions to send a transmission signal to us using the internet to our phone in the future work.

This project 2 (KEU380) is prepared into several sections. Each section presented a detailed description of the components and circuit. It is also consisted objectives of the project, work plan and conclusion at the end of the project.

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