INTELLIGENT HOUSE

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A project report submitted in partial fulfillment of the requirements for the award of the degree
of Diploma of Electrical Engineering(Electronic)

Faculty of Electrical Engineering
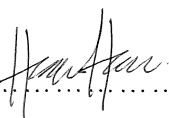
Universiti Teknologi MARA

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"I declare that this report entitled "INTELLIGENT HOUSE" is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree."
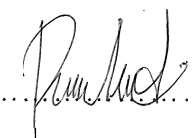
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ABSTRACT

House is the one place where all people born and live. It is sweeties place in the world. When the people sense danger elsewhere they find safety in the house. From the house , we come with some of innovation to upgrade the security system in the house. The innovation we create consist of heat detector or temperature sensor to detect the temperature in the house to make sure the condition in the house in normal (safety). If the house is burning the temperature in the house become higher, so when the temperature sensor detect the higher temperature which produce from the burning in the house, buzzer will produce the sound to warning the house in the dangerous. Besides that in this system, we still use the water level system. At this system the important component is op-amp, it will be function as to amplify the voltage to apply or operate the other component at the output. This system will operate when the water entering the water tank without control, that means the system of control water into water tank is damaged. So the excess water will be flow out through the overflow pipe. At the overflow pipe we put the two probe of wires to become touch sensor ,when the touch the water which flow through at the overflow pipe, buzzer will produce the sound and the LED light up to inform the people who lives in the house about the system at the water tank is damage. At the both system we use power supply to operate ,the power supply we use is (12v and 9v)dc, but one from the both system we use voltage regulator to reduce the power supply until 5v because we only use 5v.

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