

UNIVERSITI TEKNOLOGI MARA

**HOUSE BREAKING DETECTION USING
INFRARED SENSOR**

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ABSTRACT

Crime rate regarding house breaking keep on increasing. Increasing crime rate cases reflect the security threat in that country. As a result it reflects bad reputation to the other country. Precaution measurement is crucial to overcome this problem. The first objective of this problem is to create sensor that will generate alarm when house breaking detected. The second objective is to develop infrared sensor circuit that will be implemented at the door. From this project accomplishment, it might help to decrease the crime rate using inexpensive and simple sensor implementation. This research applies active infrared sensor method. A set of sensor is used one as transmitter and another one as receiver. As a result for the accomplishment of this project, an infrared circuit that acts according to the objective stated developed. As a conclusion, there are several recommendations and enhancements that can be developed in future to increase this sensor efficiency and effectiveness.

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