

**DEVELOPMENT  
OF AN  
INFRA - RED  
ALARM SYSTEM**

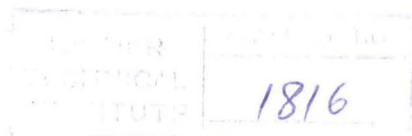
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## DEVELOPMENT OF AN INFRA-RED ALARM SYSTEM

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The main scope of this project was to construct an electronic circuit capable of initiating an alarm when a person approaches an object.

When a person enters the protected area the pyroelectric sensor gives a signal which after amplification energises a relay. This relay activates the siren.

The Green L.E.D. is lighting when the circuit is switched on. If a person enters the protected area the Green L.E.D. is switched off and the Red L.E.D. is flashing.

This circuit is supplied with two voltages. The one is 9 volts and this voltage is used to supply the main circuit, and the other voltage is 12 volts and it is used to supply the relay. In order to produce these voltages a power supply and a standby rechargeable battery is used.

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