

INFRA-RED ACTIVATED AUTO LIGHT

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ABSTRACT

This report contains the design and construction of an infra-red activated auto light where this unit mainly consists of an electric pyrosensor and power supply. These 2 main elements will be functional together with other circuits such as the signal amplifier, timer circuit, electronic switch as well as a relay. This unit operates at $\pm 12V$ and activated by a sensor which will automatically switch on a light for a certain periods of time. This report basically documents the designed circuit and some analysis of the circuit, the actual implementation of the circuit on a printed circuit board and the final process of completing the unit.