Department of Electronic and Telecommunication Engineering
University of Moratuwa

EN2160 - Electronic Design Realization

Product Selection Report
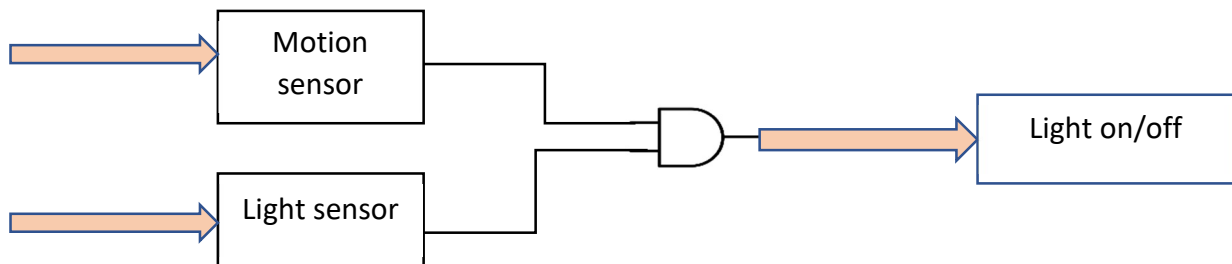
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Product – Motion sensor light bulb switch

This product work as follows.

When a person enters a room, if the room is dark, then the light turns on automatically. If there is no person, the light will be turned off. The light will also remain off if the room is not dark even if there is a person present.

Today we are facing to economic and energy crisis. For that, switching off unnecessary light bulbs is very important. From this product we can get that advantage.

Links for similar products

I found some products like my idea on the internet. The following links are about related products.

➢ https://www.daraz.lk/products/mini-motion-sensor-light-switch-110-220v-pir-sensor-smart-detection-time-delay-adjustable-infrared-induction-detector-i135590119.html

➢ https://www.daraz.lk/products/motion-sensor-light-pir-led-night-light-movement-detection-sensor-lights-home-light-sensor-220v-lampsholder-type-b22-i174070307-s1129660123.html?spm=a2a0e.searchlist.list.7.714f1b45YT74on&search=1

➢ https://id.aliexpress.com/item/1005002223459523.html?spm=a2g0o.detail.0.0.2af96v456v45zN&gps-id=pcDetailTopMoreOtherSeller&scm=1007.40000.327270.0&scm_id=1007.40000.327270.0&scm-url=1007.40000.327270.0&pvid=f09cf4b8-5110-4811-88f2-928501c4bd75&_t=gps-id:pcDetailTopMoreOtherSeller,scm-url:1007.40000.327270.0,pvid:f09cf4b8-5110-4811-88f2-928501c4bd75,tpp_buckets:668%232846%238107%231934&pdp_ext_f=%7B%22sku_id%22%3A%2212000019919361758%22%2C%22sceneId%22%3A%2223416%22%7D&pdp_npi=3%40dis%21EUR%214.21%213.79%21%21%21%21%21%402103309d16796253943966783e4ab0%2112000019919361758%21rec%21NL%21&ad_pvid=20230323193634423907485165901383031 8_6