

REMOTE CONTROL LIGHTING DIMMER AND LIGHTING SWITCHER

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ABSTRACT

This report explored one of the elements of an integrated home system namely the lighting aspect of integrated home systems. Lighting installations in most households enable users to switch on or switch off the lighting. Should the user require the ability to alter the intensity of the lighting, a dimmer may be installed to satisfy that requirement. In both instances, it is compulsory for the user to manipulate the lighting manually through appropriate switches set by the contractor responsible for the installations. To remedy this situation, the integrated home systems incorporate wireless capabilities for the manipulation of lighting via a remote control handset so as to allow the user of the system to manipulate the lighting regardless of the user's location to that of the lighting being manipulated. This report thus revises an application which grants the user the capabilities described above. The construction of such a prototype is investigated further so as to determine its feasibility in fulfilling the requirements imposed on such systems.