ABSTRACT

The Socket is a breaker when there is contact between positive current, negative current and grounding in electrical installations with electronic devices. The socket will continuously drain the electric current, so that the socket may trigger the occurrence of a zipper or may cause a fire to harm the user. So it needs a wireless or infrared feature that can control the state of life or turn off the socket by long distances through a wireless intermediary using the Arduino NodeMCU component. The distance traveled through unhindered testing, the socket runs smoothly at a distance of 55 meters. The distance traveled through testing with a barrier, the socket can only run smoothly at a distance of 30 meters. The socket can be controlled by the user via Android by using the application to turn on or off the power supply in the socket. The socket can have a scheduling feature to schedule when the socket should be on or off.

Key: socket, infrared, Android and wireless