ABSTRACT

Currently, the kWh meter with a prepaid system is a measurement tool that is widely used by electrical energy customers. This measuring instrument has advantages over the previous tool, namely prepaid electricity purchases. However, at this kWh meter there is still no monitoring carried out by electrical energy distribution services and information about electrical energy consumption to electrical energy customers so that customers must monitor manually. Electrical energy customers are very often reluctant and forget to unplug or turn off the outlet because homeowners are rushed by proximity issues. Therefore, how do you make it easier for users of electrical energy to monitor kWh meters and control the outlet. This tool can monitor the use of a kWh meter with a CT sensor and cut off the electric current in the outlet with a relay .

Keywords: NodeMCU, Sensor CT , Relay