

ELECTRONIC SAVING BOX

Prepared by: Tan Pei Loong

ABSTRACT

My project “Electronic Saving Box” is a product that can use in household purpose. This product can save money, save time and save energy. It is a small and cheap product that can do separation and count automatically.

Initially the LED display will display 00 and the maximum of each type of coins is 99 pieces. All the counting will be displayed on the 7-segmenet displayer. The counter will do counting when a signal is set from the 555 timer and the counter will count one time.

I’m using four switched in this project. I placed the switch at the bottom of the hole and the purpose of this switch is when the coins drop from the hole then it will hit the switch and send one signal to the counter. Actually, I considered to using infrared light emitting diode sensor but I found out that the switch is more accurate and cheaper.

This product is easy to operate and count very accurately. This is the modification of the traditional saving box “piggy bank” of using a little electronic function.