

### **Operation Principle**

AC input supply (120V/60Hz) then per Transformer change 120VAC to 6VAC. 4X IN4007 (BD1-BD4) bridge circuit rectify voltage from AC to DC, IC (U1) is regulator DC for 3V to supply CUP&RF module. RF Module, then signal per RF Module transmit signal to receiver when sensor detect "water leak" or "bucket full" signal.