

ans.

1. Power supply.

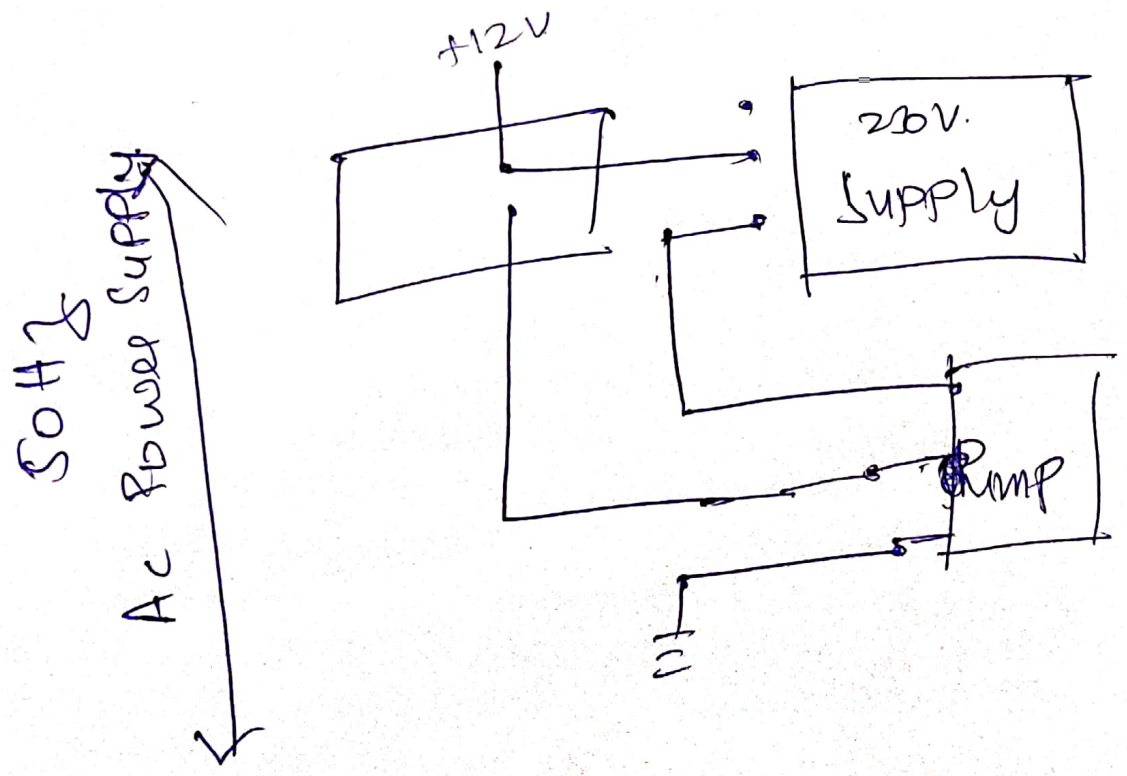
India
UK, Aus

230V_{rms} 50Hz. Sine wave.

BC547, ~~LED~~ LED is series with 1kΩ resistor.

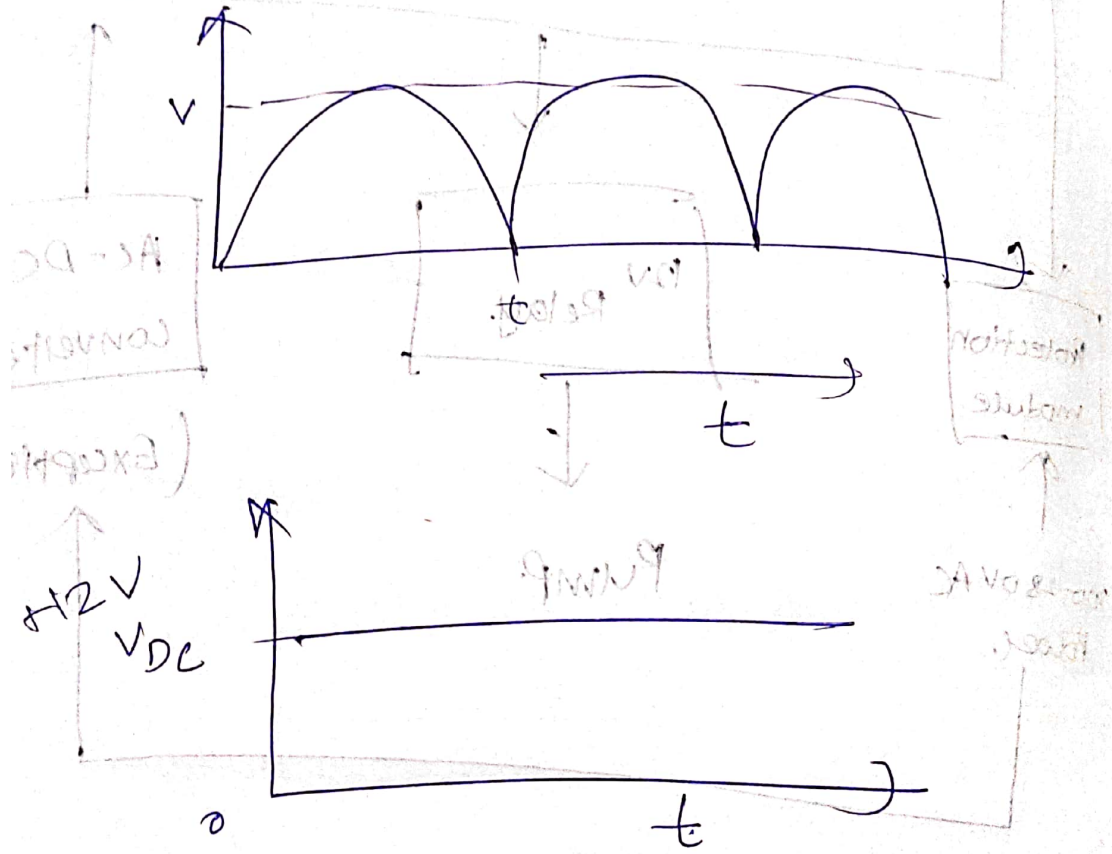
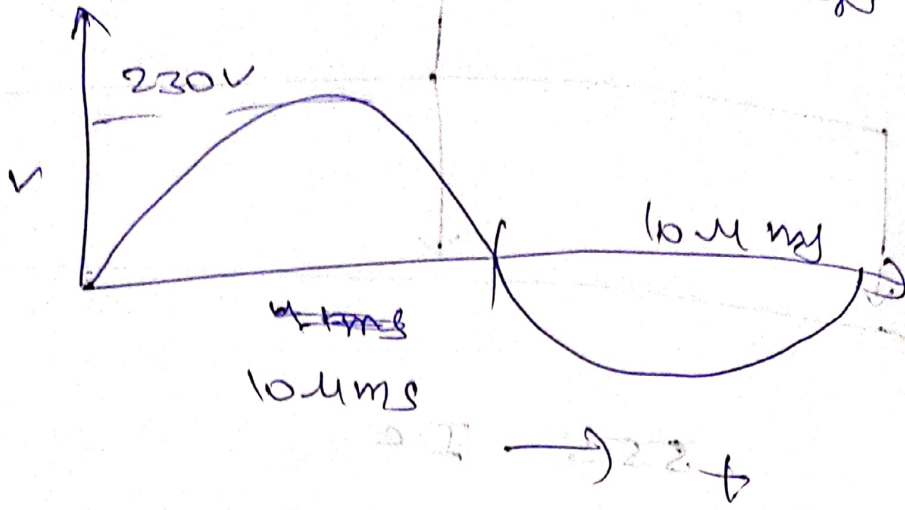
Relay these components need +12V dc supply

Either, using Ac-dc converter ~~or full~~ of wave rectifier using dc supply otherwise.



Water Pump

AC Input Voltage



IC 555