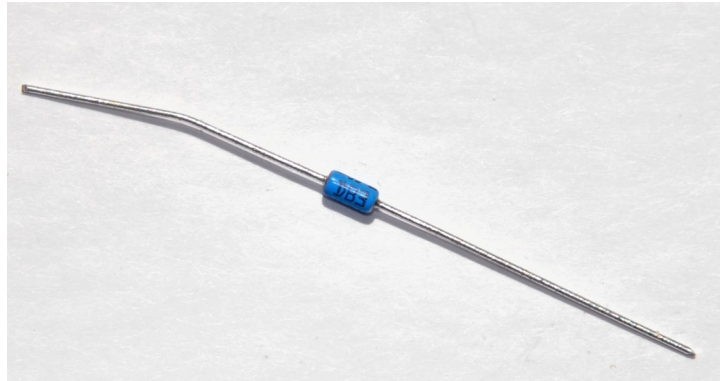
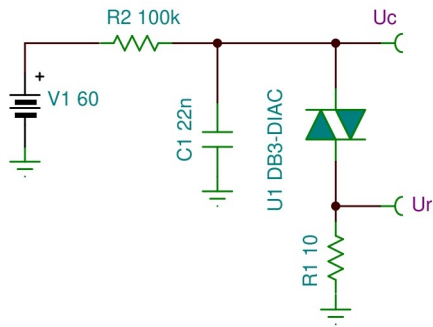
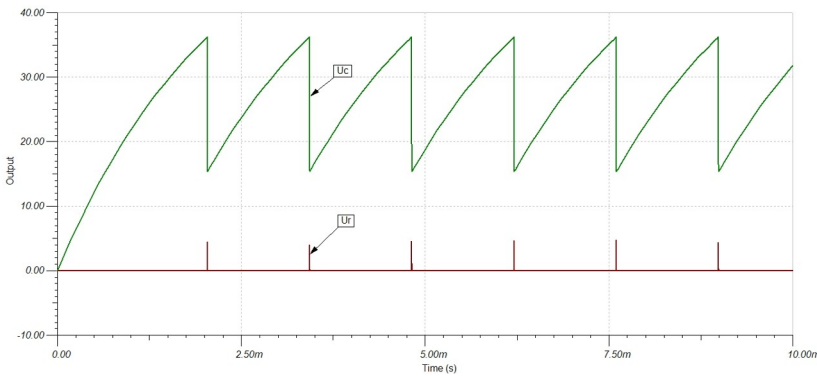


# DB3 Diac Macro Model

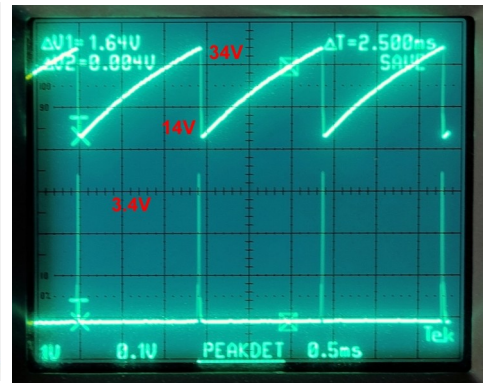
## Transient Characteristics:



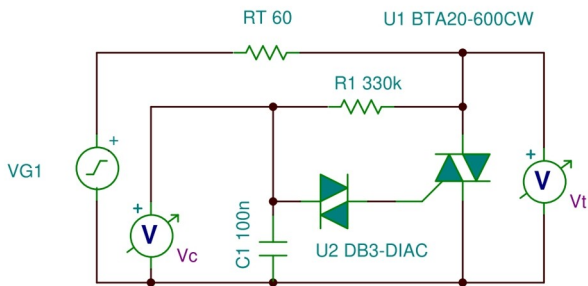
## Model:



## Real device:

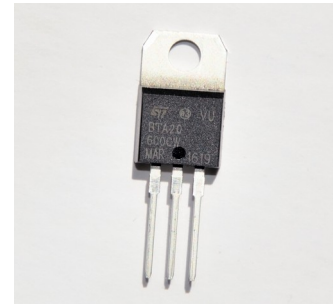


## The typical structure of the DIAC-TRIAC combination used for smooth control of AC power:

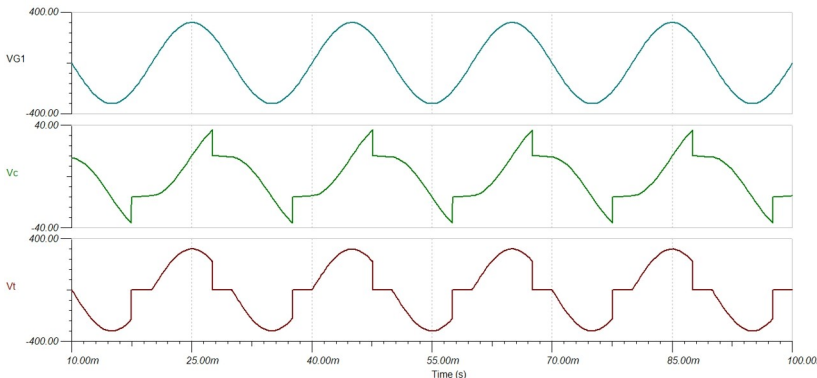


The R1 is used to control the applied voltage in both the half cycles .

Vg1= 230VAC  
Rload= 60Ω



## Model:



## Real circuit:

