

BMS 302 MİKROKONTROLCÜLER

AC MOTOR UYGULAMALARI

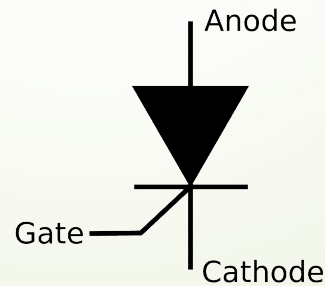
Prof.Dr. Mutlu AVCI

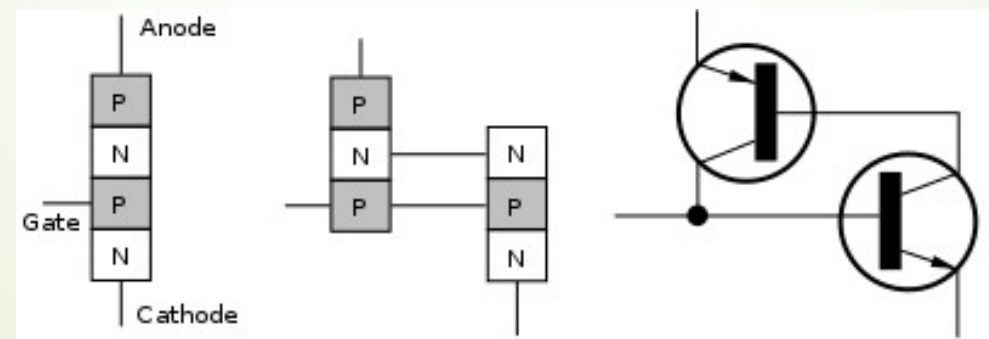
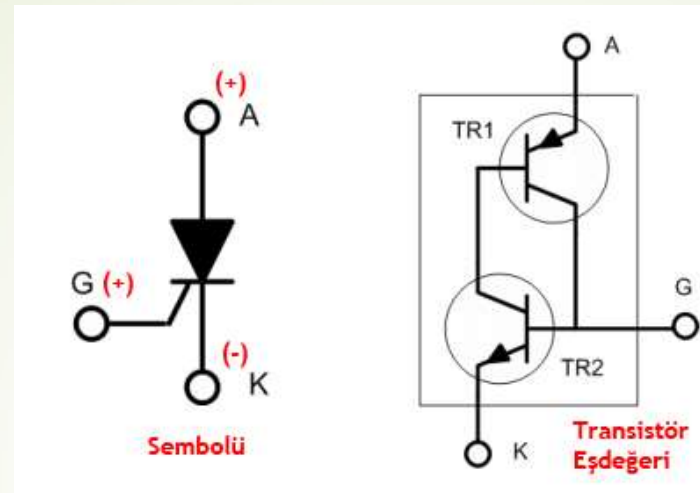
Çukurova Üniversitesi Biyomedikal Mühendisliği Bölümü

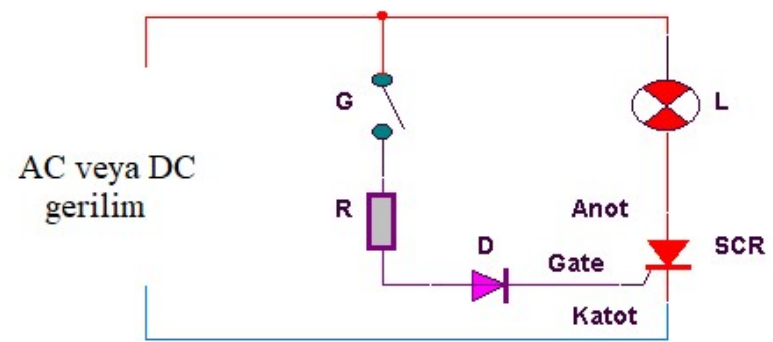
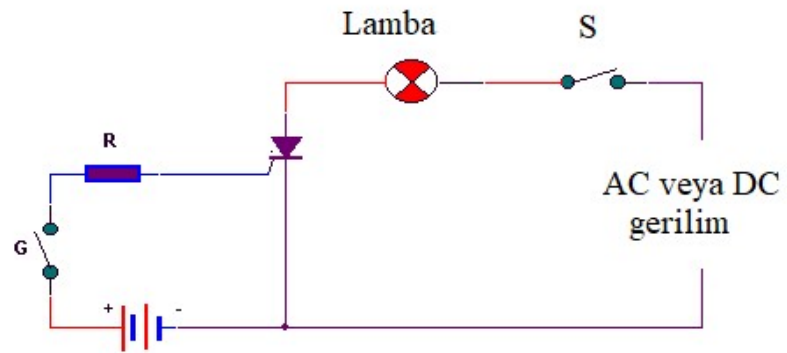
Bahar 2021

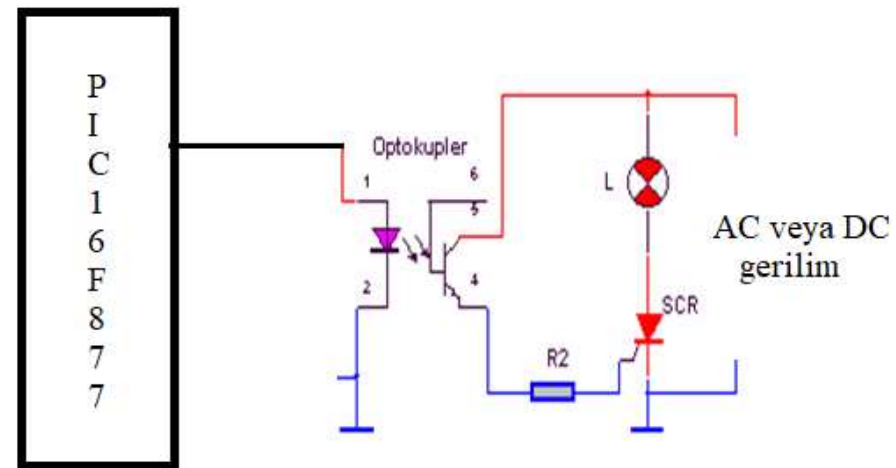
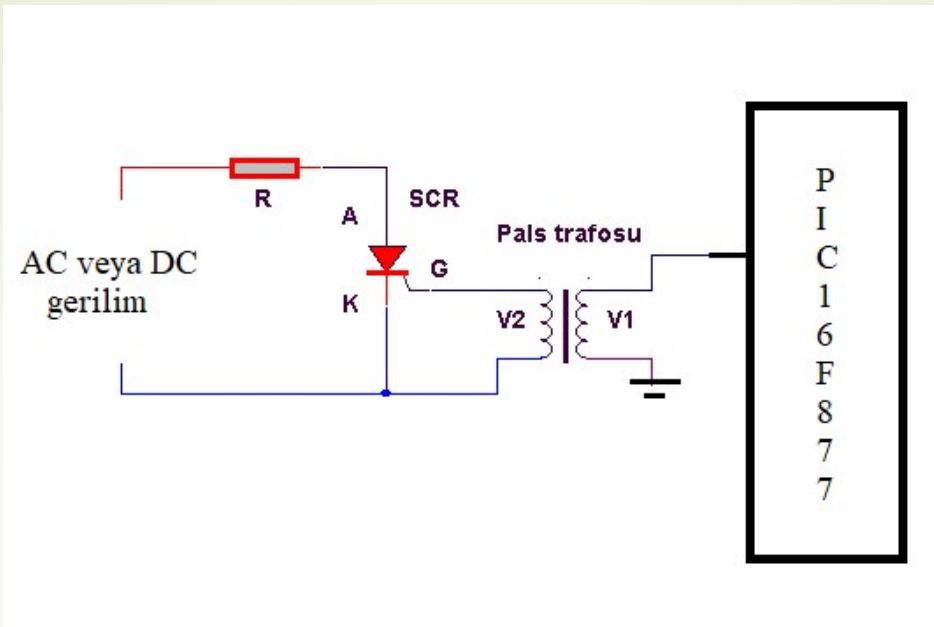
Tristor

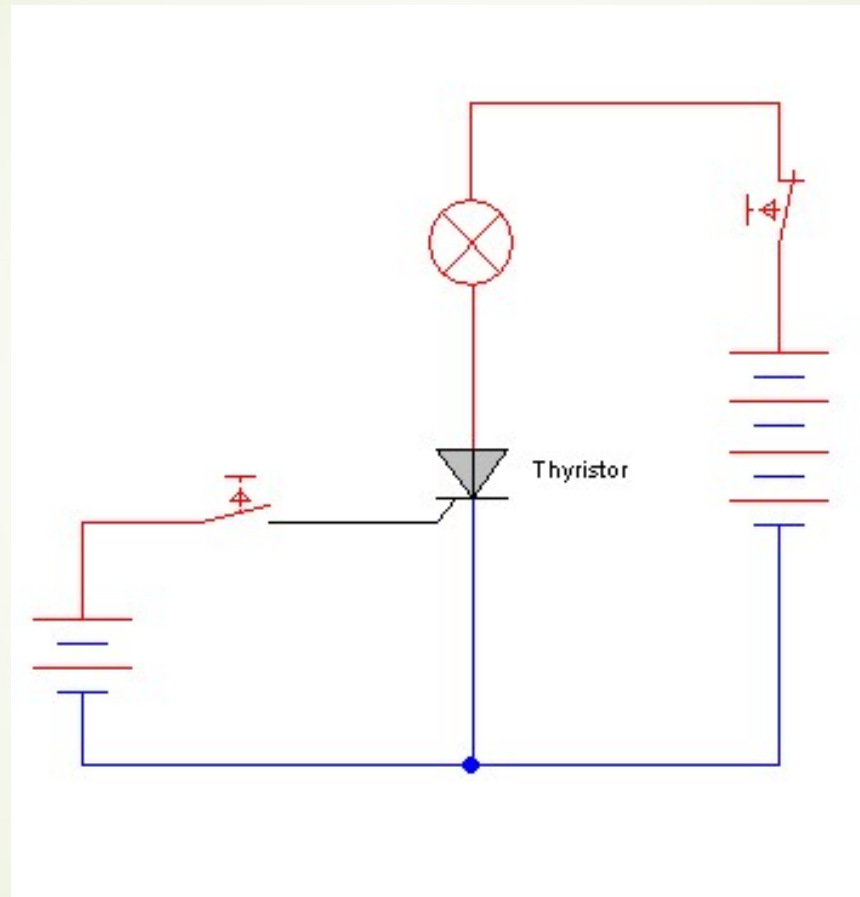
- **Tristör**, bir diğer adıyla SCR (Silicon-Controlled Rectifier/Silisyum Kontrollü Doğrultucu),
- güç elektroniği devrelerinde hızlı anahtarlama işine yarayan devre elemanıdır.
- Yüksek akım ve gerilimlerde hızlı anahtarlama işlemi yapabilmeleri sayesinde güç elektroniği devrelerinde sıklıkla kullanılır

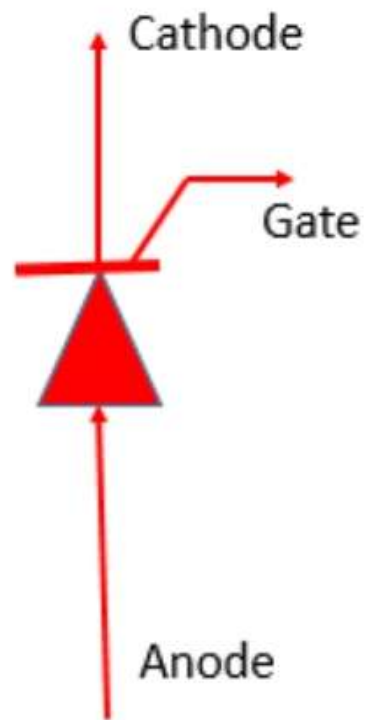




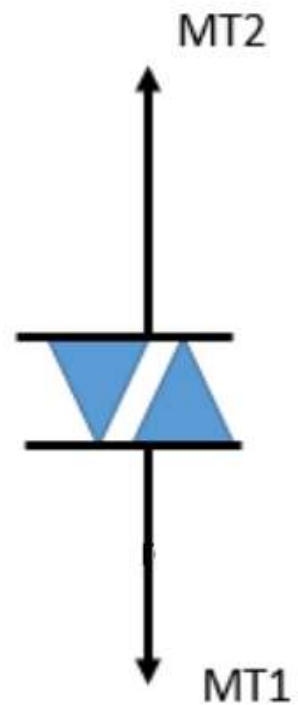




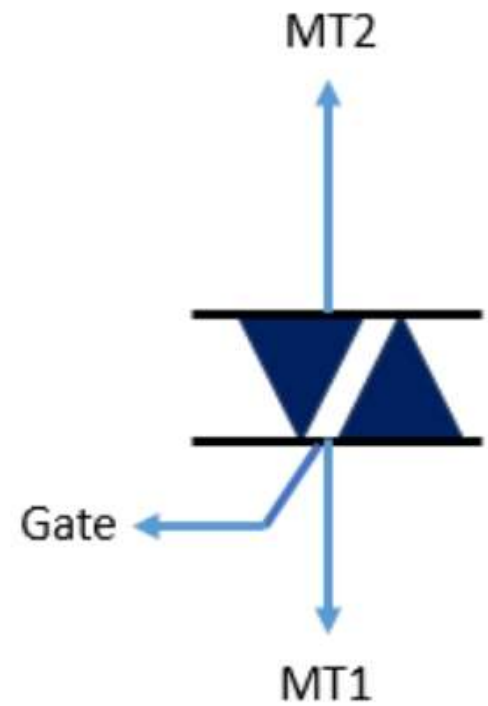




SCR

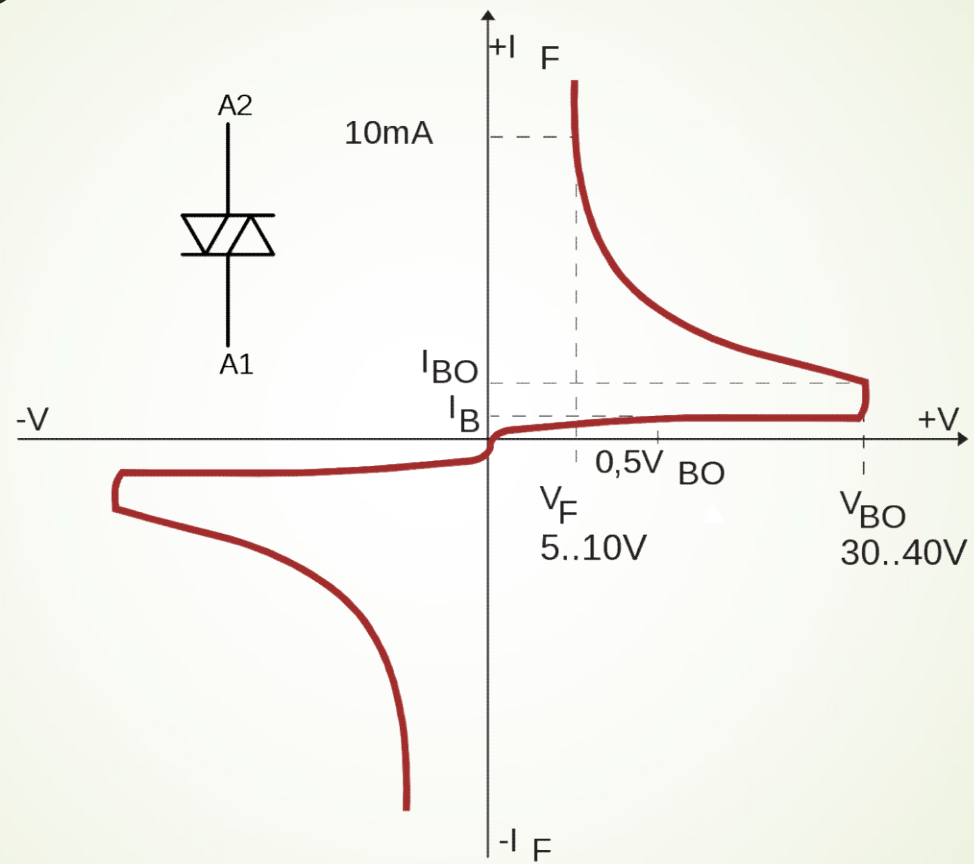


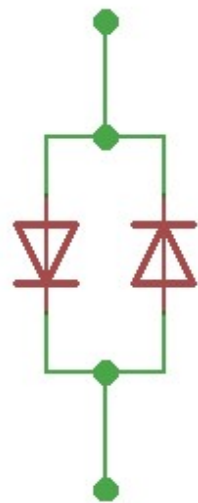
DIAC



TRIAC

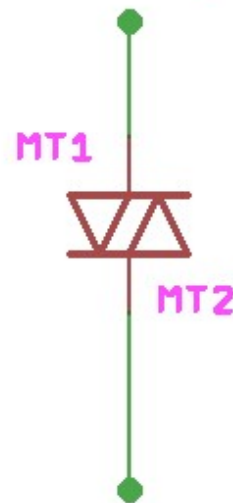
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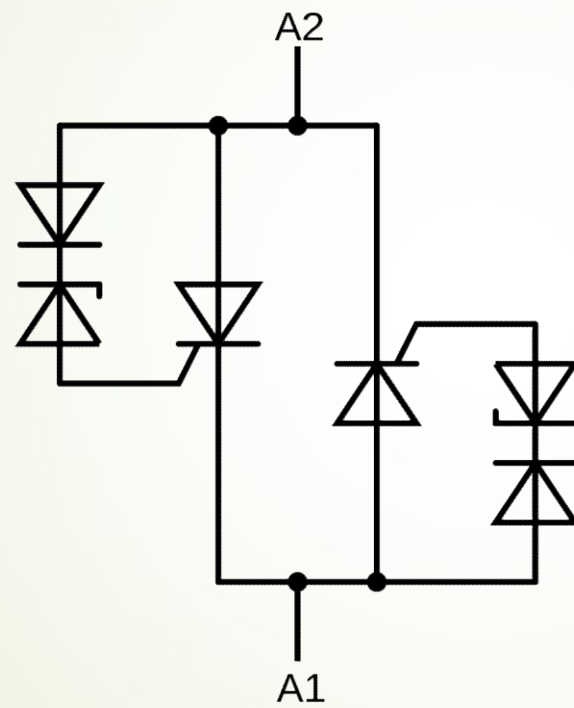




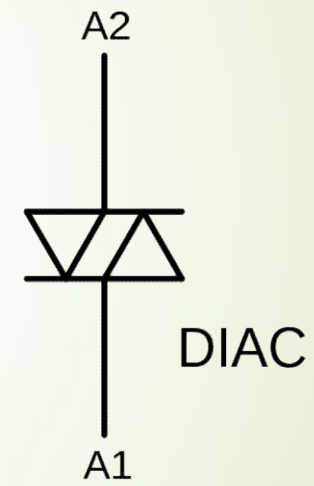
**DIAC
Representation**

DIAC Symbol

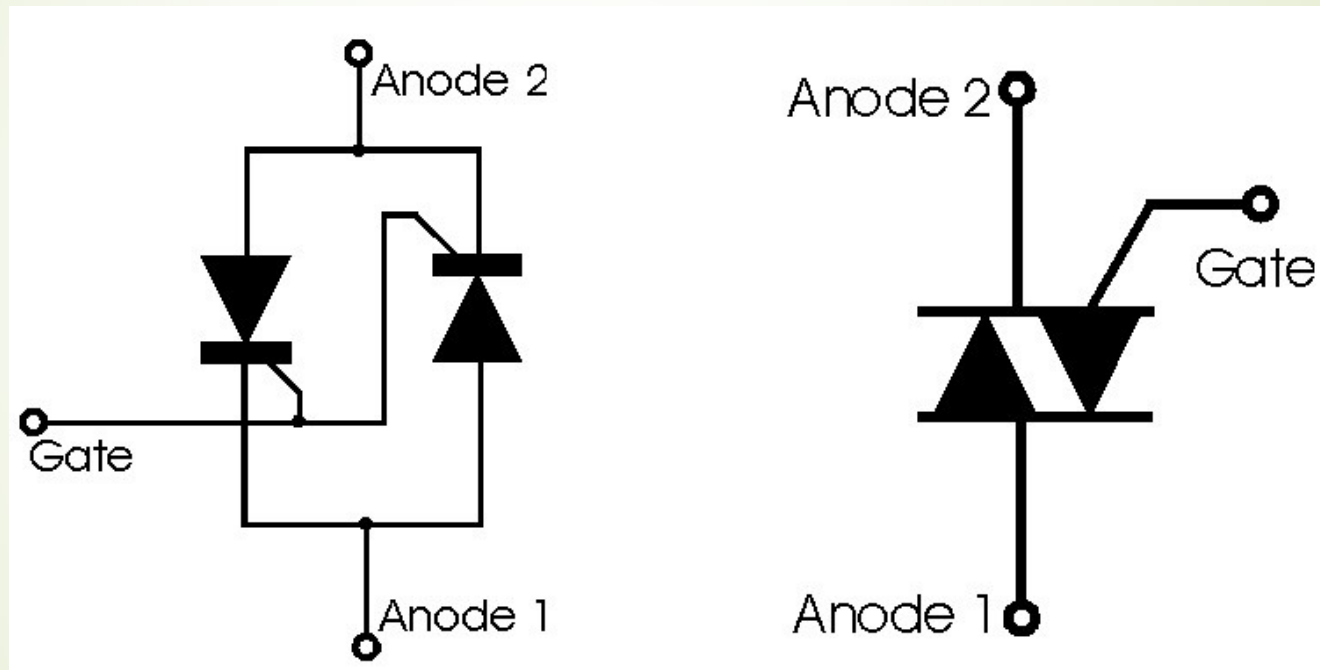


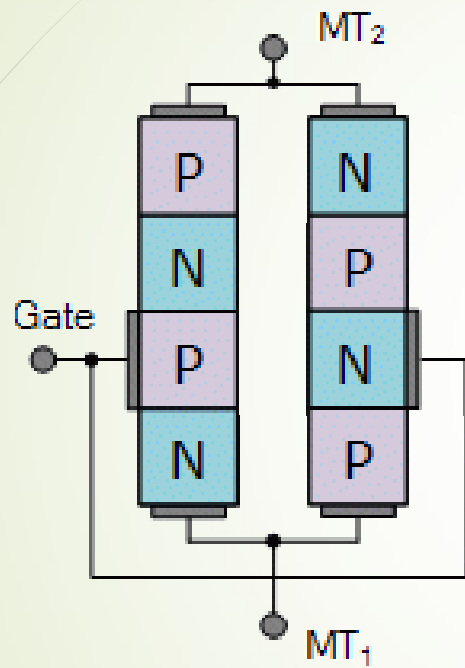


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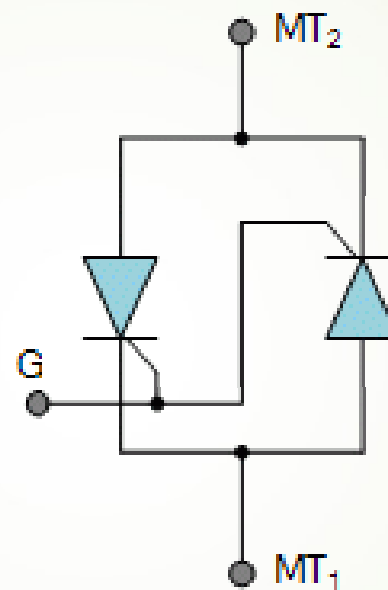
Triac





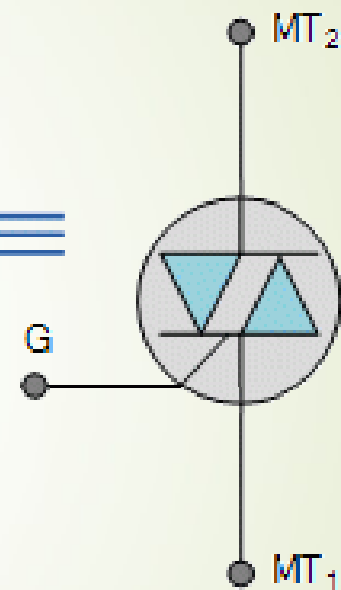
Physical Construction

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Two-Thyristor Analogy

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Circuit Symbol

