PSI2662 – Projeto em Sistemas Eletrônicos Embarcados: Sensores e Atuadores

Circuitos de Interface

Escola Politécnica da Universidade de São Paulo

Prof. Gustavo Rehder – grehder@lme.usp.br

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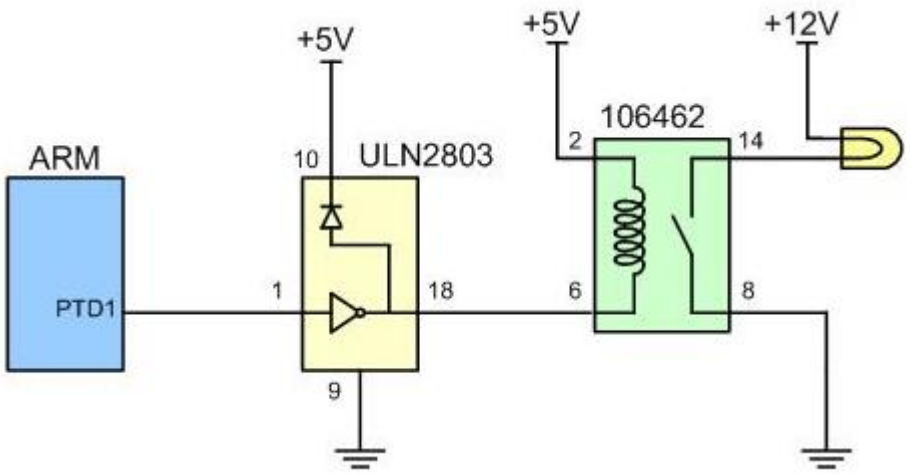
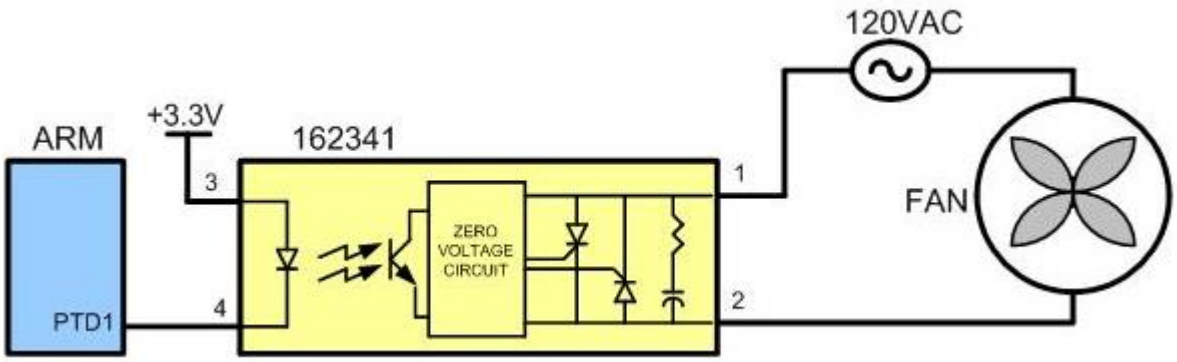
Relé

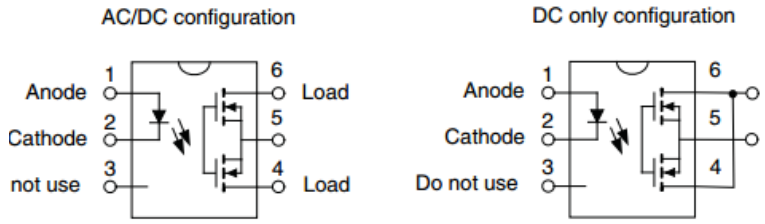


- Corrente da bobina = 10-100 mA
- Corrente máxima fornecida pelo pino de saída = 8 mA
- Utilização de driver de relé!

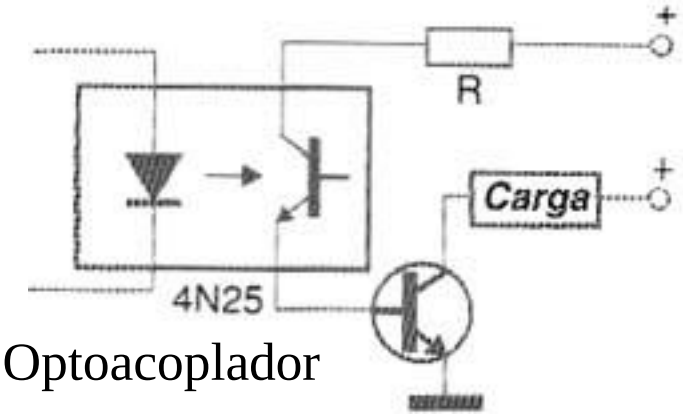
Relé Estado Sólido (SSR)



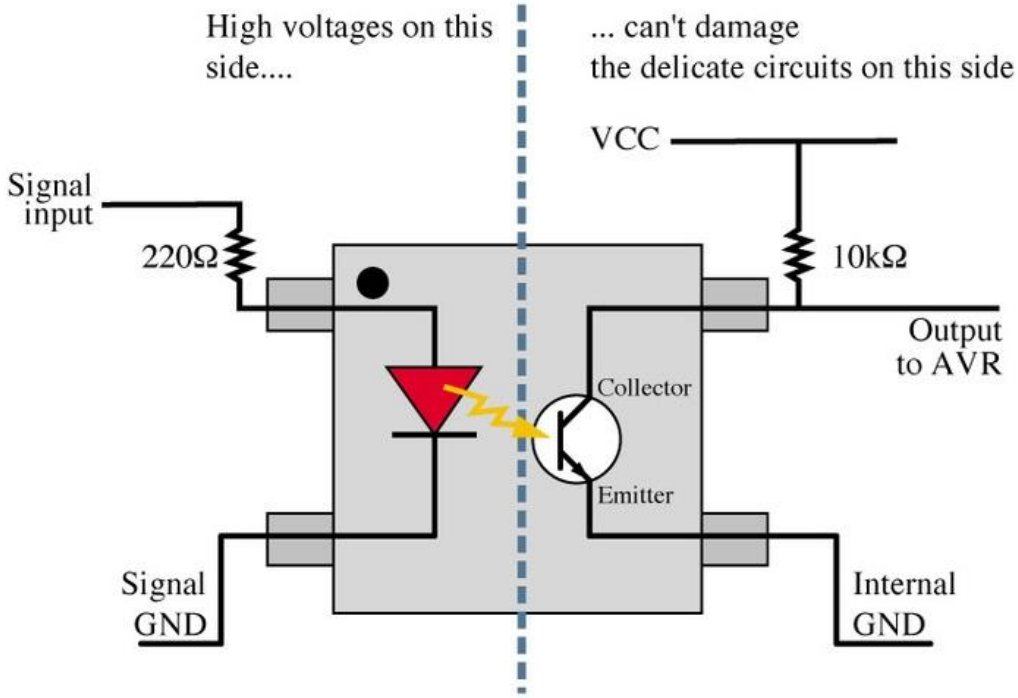
VO14642AT

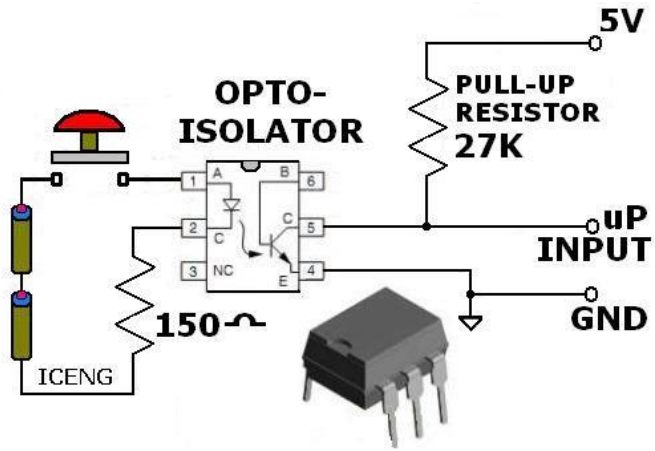


Optoisoladores e controle de potência

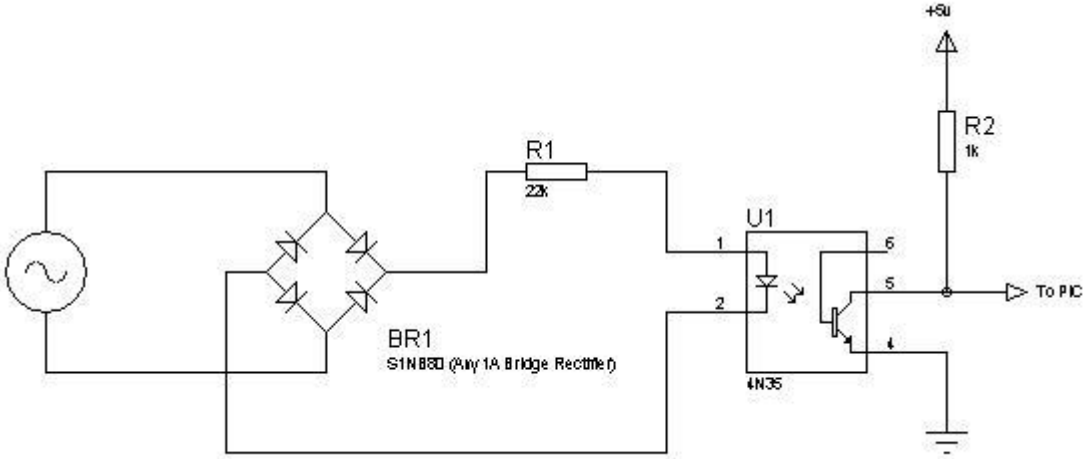


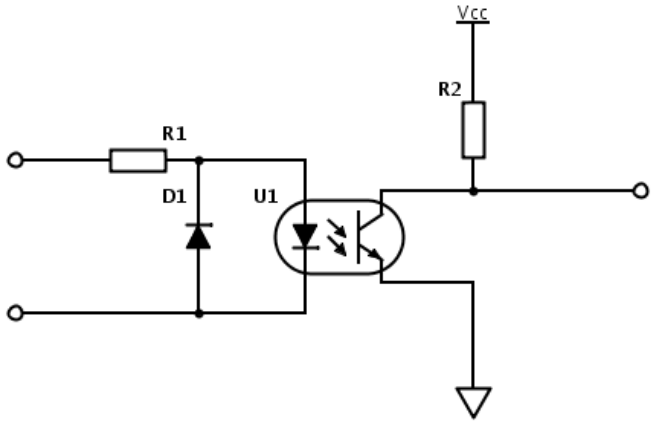
Optoacoplador

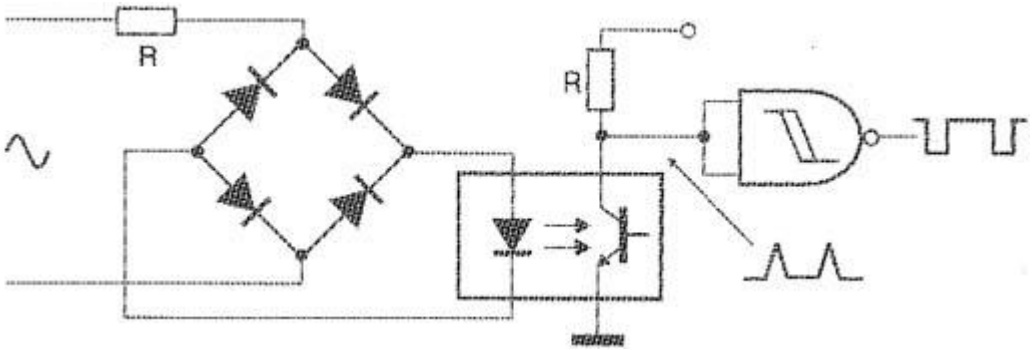




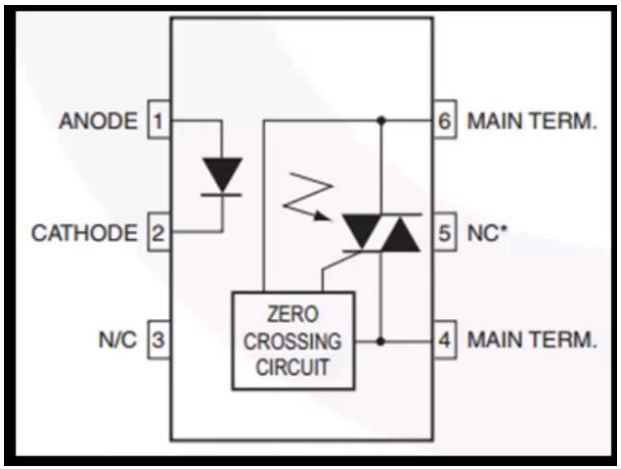
Cruze por Zero com optoacoplador

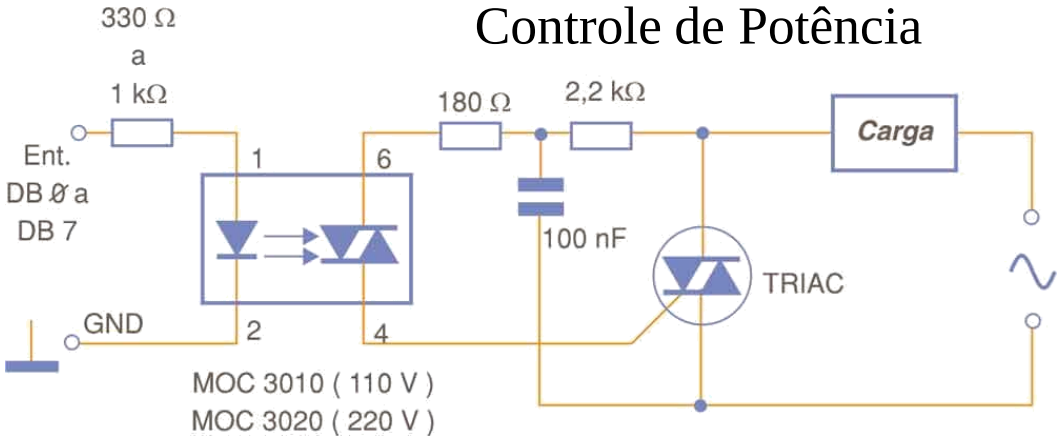






Controle de Potência AC





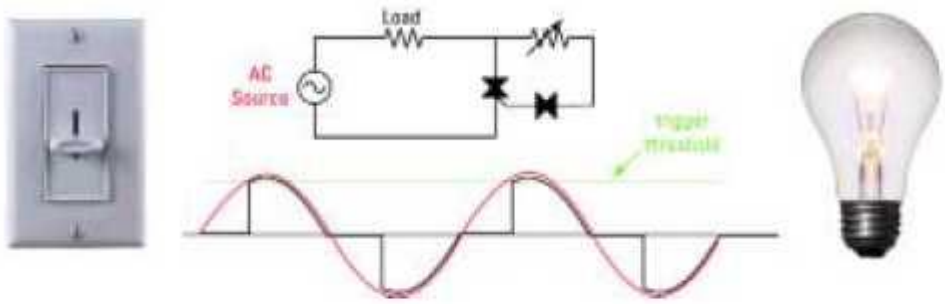
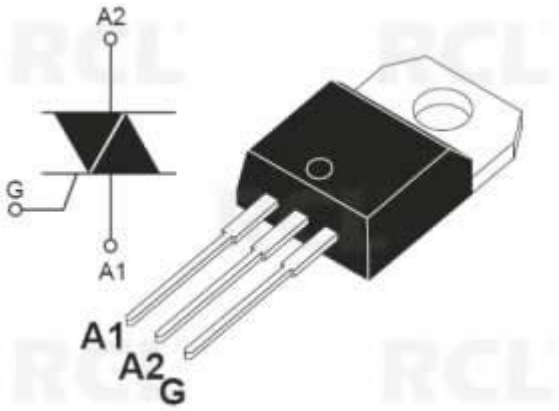
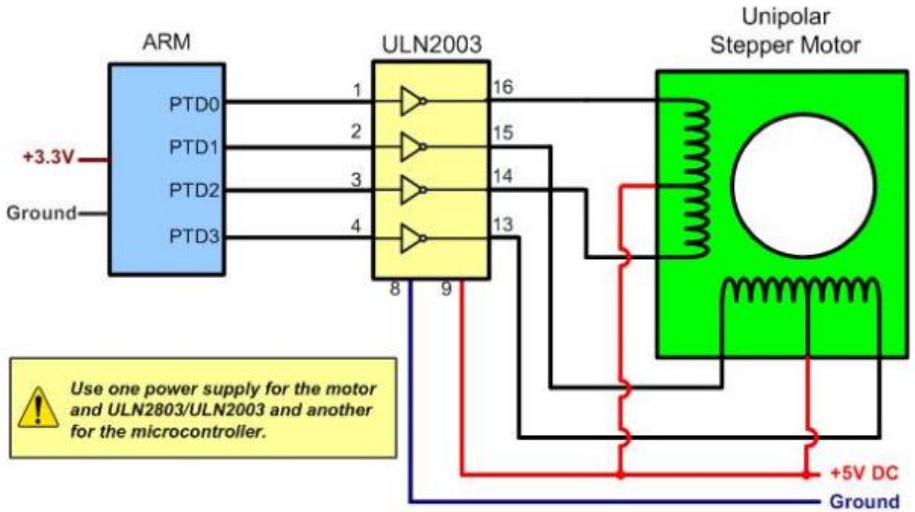
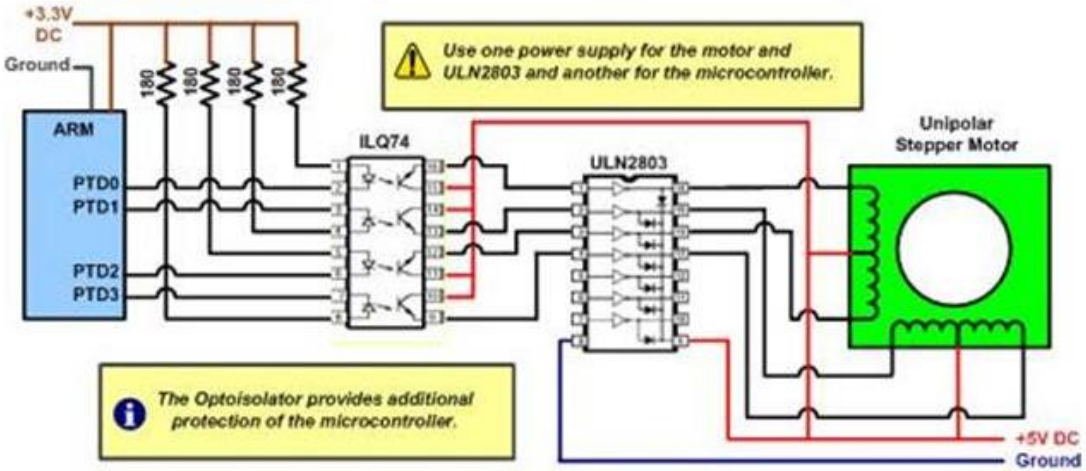


Figure 1: Triac dimming waveform

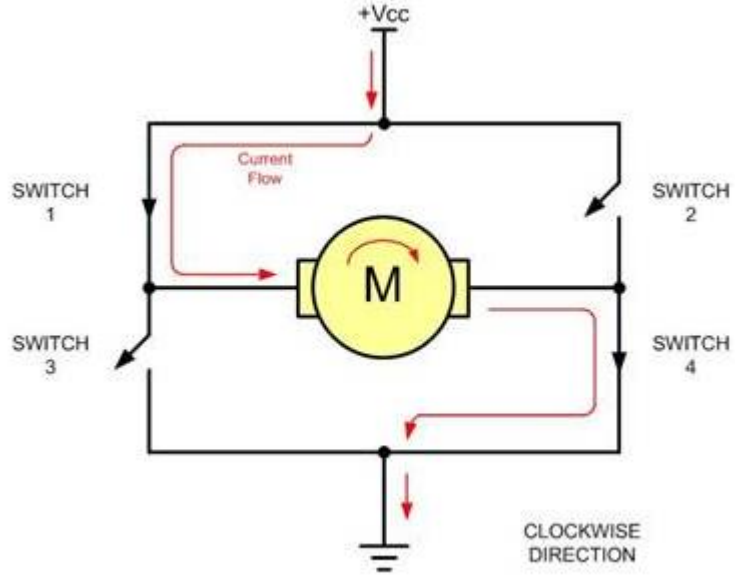


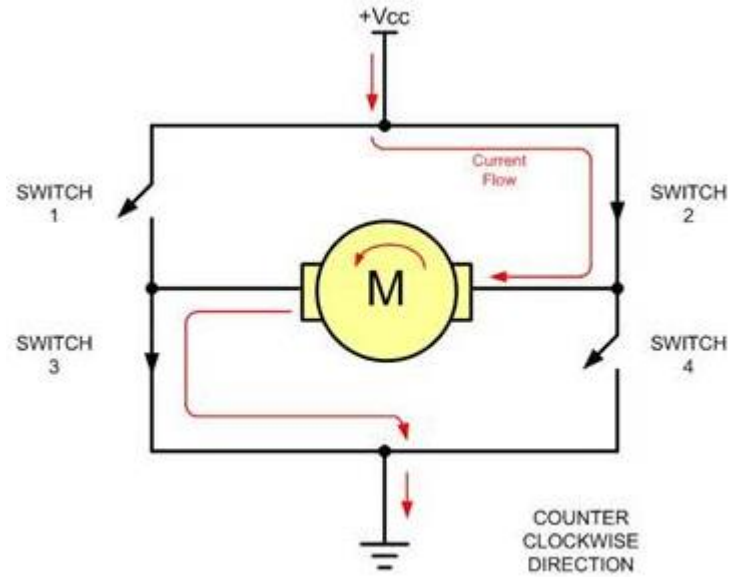
Controle de Motores





Ponte - H





L298 e L293