

NCP785A Family of Wide Input Voltage Range Ultra-Low Iq, High PSRR Linear Regulators



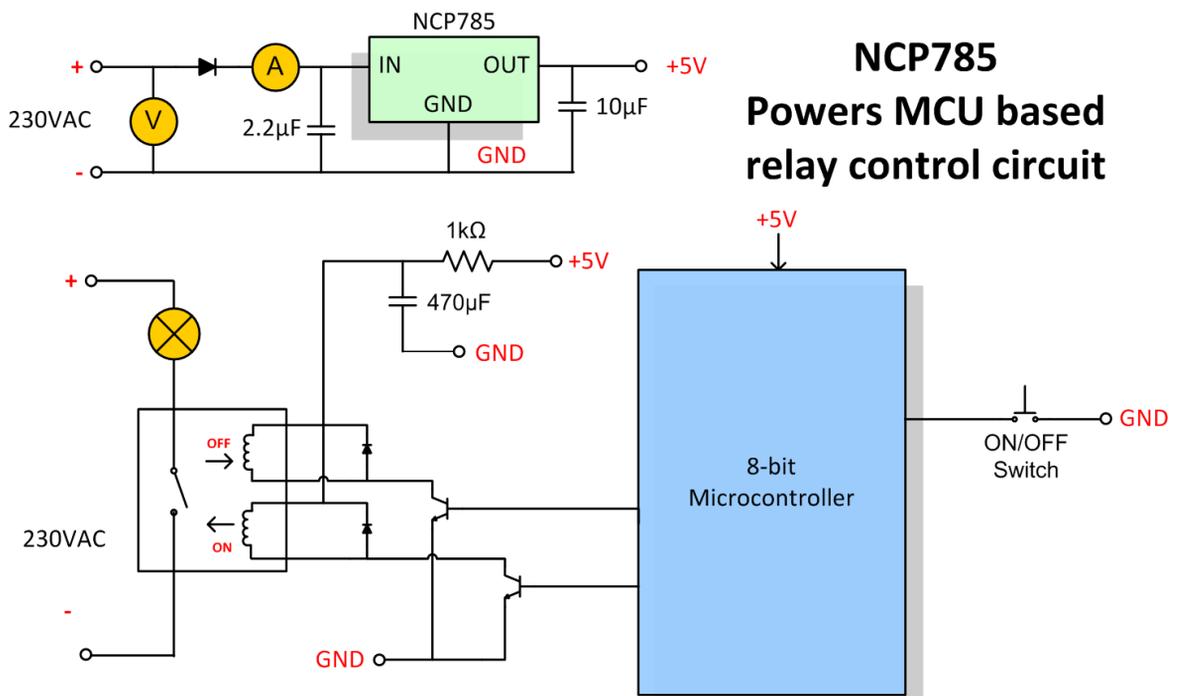
- 45V to 450V recommended V_{IN} range allows to operate directly from rectified 120VAC/230VAC mains voltage.
- Ultra-Low Quiescent Current of Typ. $6\mu A$ - $15\mu A$ helps to minimize system standby power consumption.
- Very-High PSRR of Typ. 80dB at 120Hz allows for effective filtration of mains AC ripple.
- Option with dedicated enable pin simplifies output voltage ON/OFF control
- Small size package options allow to shrink the PCB area when compared to Capacitive Dropper solution.

Package Offering:

SOT89-3



Relay Control Circuit Demo



Relay Control Circuit Demo

NCP785A provides a 5V regulated voltage for the MCU and relay. Once the button is Pressed an interrupt is generated . The MCU drives the relay based on the state of the push button.

