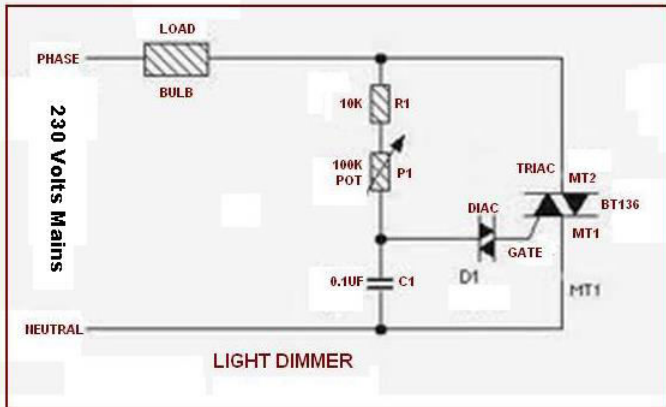


Light Dimmer:



This triac dimmer can be used to control incandescent filament lamps up to 200w. The circuit operates on the phase control principle, which is provided by P1 potentiometer. This determines the rate at which C1 charges and hence the point along the mains waveform at which the voltage on C1 reaches the break down voltage of the diac (D1), which is when the triac is triggered. Interference suppression is provided by R2 and C2. and this light dimmer is directly connected to mains, so, be careful. The potentiometer should have a plastic spindle. This project should be assembled with the supervision of an experienced person. Children should not try this project by themselves.

Components: R1:10k 1Watt, P1:500K Pot Plastic shaft, C1:0.1uf/400v, Diac, Triac:BT136, 60watts Bulb, Mains wire with plug

