

## **Circuit description**

The supplying voltage of 120V/60Hz receives high frequency disturbance signal caused by internal circuit when passing EMI, Capacitance composed by C1,R1 and R2 applied to D5-D8 bridge commutation( change AC to DC), Manostat R3 and ZD4 applied to negative ion.

With the different lightness CDS induced, its resistance is different. When it is bright, CDS is in low resistance, audion Q1 put through, Q2 put down, led extinguish. When it is dark, CDS is in high resistance, audion Q1 put down, Q2 put through, which applied to led, LED give out light.