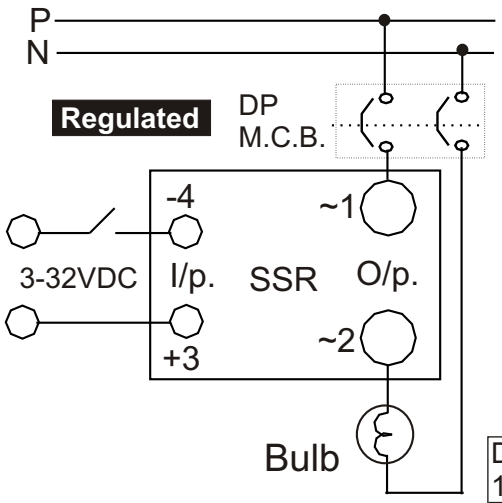
Burst Full Cycle Switching- SSR ON/OFF at zero crossover
For resistive loads by percentage setting



Since modern PID/PLC temperature controllers can create an overall duty cycle time 1sec to 200sec If you select duty cycle 1sec for 50Hz frequency then Change of duty cycles you will get different time of operation on small, low mass IR heaters, you might see the elements slightly flickering. On larger heaters or resistive heaters, then you would not see any flickering. Since the full cycles are distributed at zero crossover , this SSR provides high ac-curacy in temperature control and creates less noise. the Full Cycle SSR reduces the stress on the load

Duty cycles 1sec	Load	Load	Load	Load
percentage	"ON" time millisecond	"OFF" time millisecond	"ON" nos cycles at 50Hz	"OFF" nos cycles at 50Hz
100%	1000	0	50	0
90%	900	100	45	5
50%	500	500	25	25
16%	160	840	8	42
8%	80	920	4	46
5%	50	950	2.5	47.5