

## 60 SECOND TIMER

60 Seconds Timer kit can be used in all application requiring a delay of up to 60 Seconds. This kit is based on the Classic 555 Timer IC. The circuit starts timing when tact switch triggered LED D2 lights to show the timing is in progress. When time period is over its turn off the relay and, The time period is fixed aprox 60 seconds. Relay output can be use to control low voltages and high voltage AC load up to 230V/5A or 24V DC/10Amps can be use.

Input - 12 VDC @ 56 mA

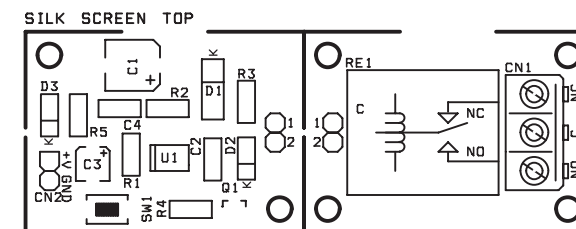
Onboard Timer start switch

Relay output - SPDT relay

Relay output - 5 A @ 250/110VAC-24VDC 10A

Timer on/off state LED indicator

Power-On LED indicator



| SR | QTY | REFERENCE | DESCRIPTION                    |
|----|-----|-----------|--------------------------------|
| 1  | 1   | CN1       | 3 PIN SCREW TERMINAL CONNECTOR |
| 2  | 1   | CN2       | 2 PIN BERG CONNECTOR           |
| 3  | 1   | C1        | 100uF/16V                      |
| 4  | 2   | C2,C4     | 0.1uF                          |
| 5  | 1   | C3        | 10uF/35V                       |
| 6  | 1   | D1        | 1N4007                         |
| 7  | 1   | D2        | GREEN LED                      |
| 8  | 1   | D3        | RED LED                        |
| 9  | 1   | Q1        | BC847                          |
| 10 | 1   | RE1       | 12V RELAY                      |
| 11 | 1   | R1        | 27K                            |
| 12 | 1   | R2        | 560K                           |
| 13 | 2   | R3,R5     | 1K                             |
| 14 | 1   | R4        | 10K                            |
| 15 | 1   | SW1       | TACT SWITCH                    |
| 16 | 1   | U1        | NE555                          |
| 17 | 1   | WIRE      | 2 CORE WIRE                    |

