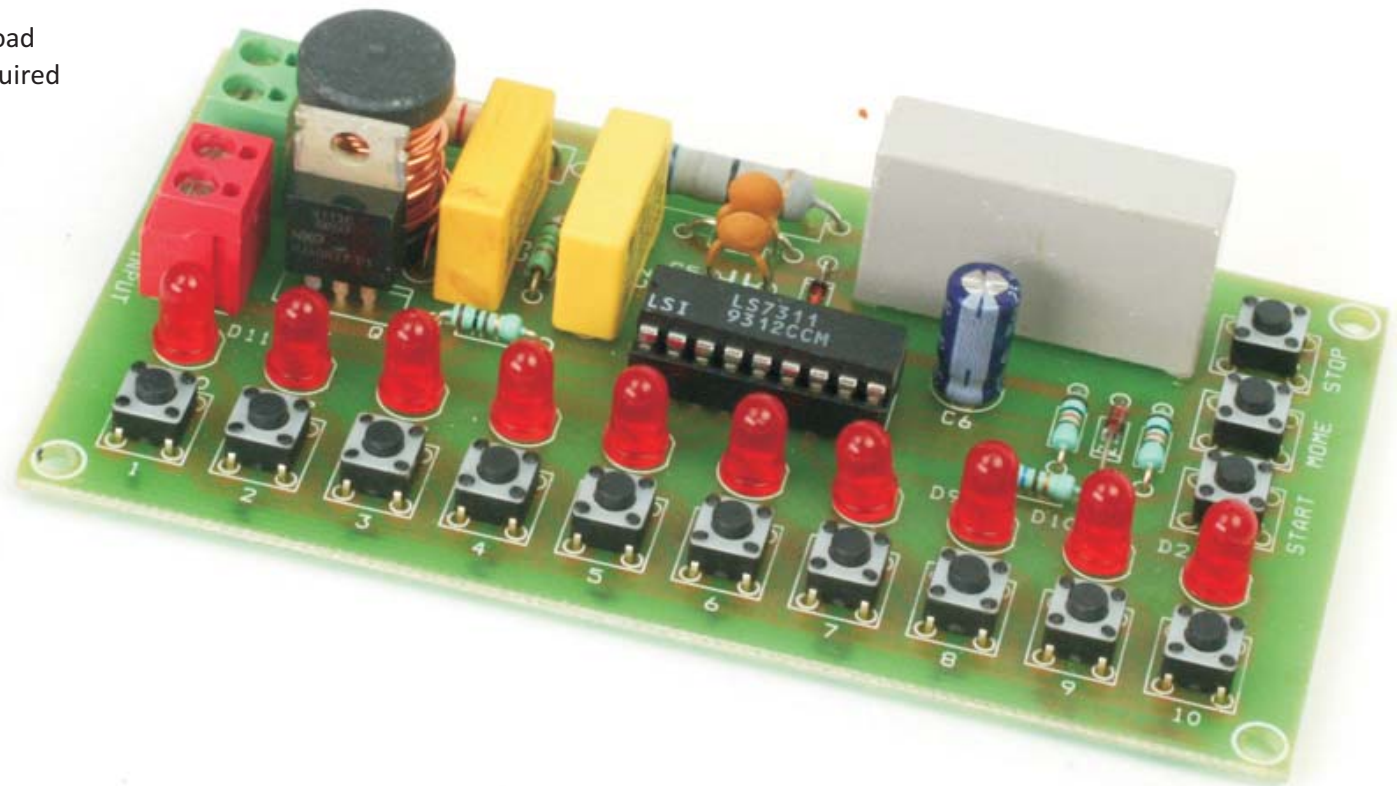


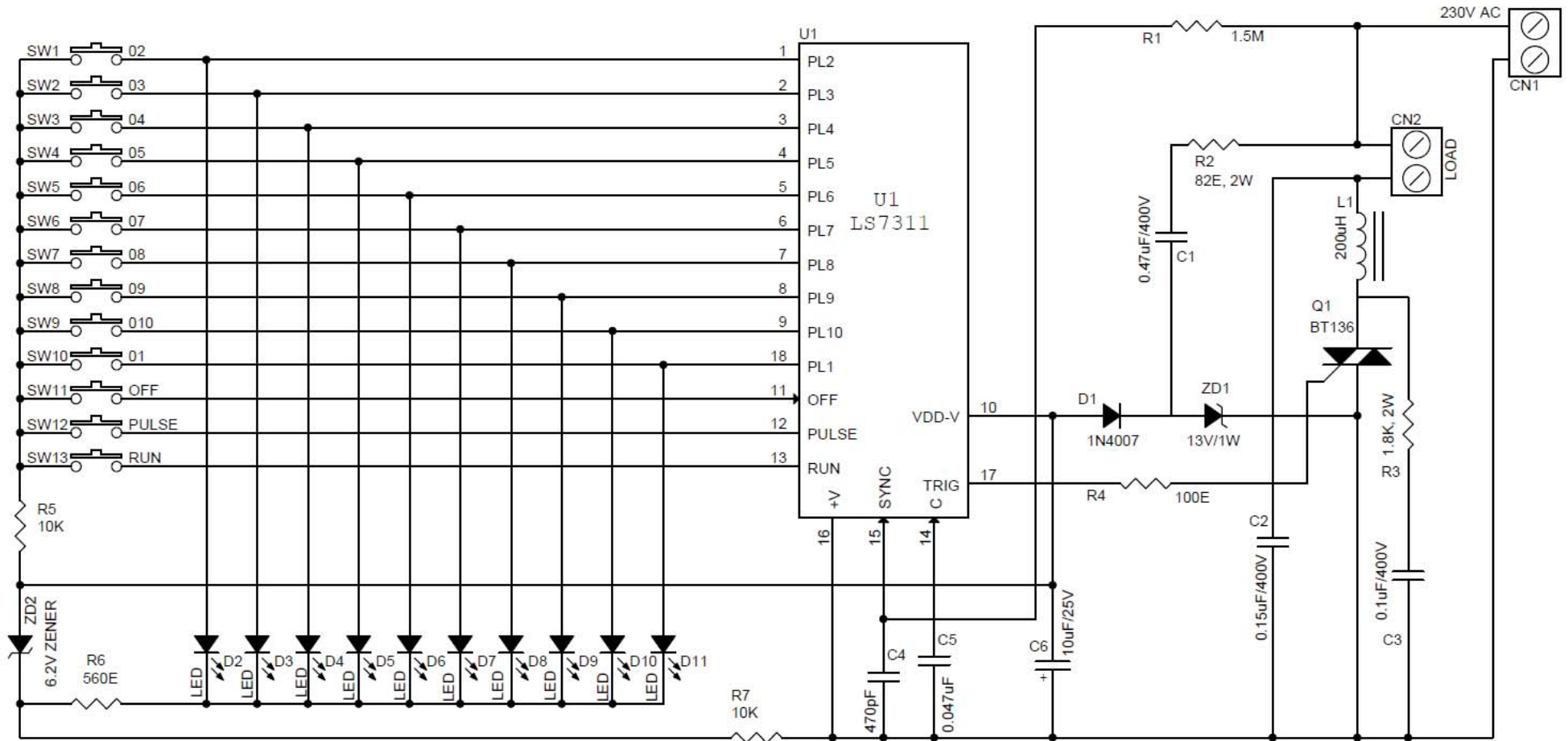
AC MOTOR CONTROLLER FOR MODERN APPLIANCES USING LS7311

The project specifically designed for motor speed control application in appliances such as blenders, etc. Tact switches provided for selecting/indicating from 1 to 10 power levels (Speed Levels). The project is ideal for universal and shaded-pole motor speed control for modern appliances design. Eliminates awkward mechanical switch assemblies and multi-taped motor winding.

Features

- 10 Tact Switch for Speed Selection
- 10 LEDS for speed indication
- On Board Stop and Start Switches (Start Switch Latch Operation)
- Momentary Run Switch
- Supply 230V (110V Possible Refer Data sheet for components Change)
- 300W Load
- On Board snubber for Inductive Load
- No Separate DC power supply required





AC MOTOR CONTROLLER FOR MODERN APPLIANCES USING LS7311



BOM			
SR.	QNTY.	REF.	DESC.
1	1	CN1	2 PIN SCREW TERMINAL
2	1	CN2	2 PIN SCREW TERMINAL
3	1	C1	0.47uF/400V
4	1	C2	0.15uF/400V
5	1	C3	0.1uF/400V
6	1	C4	470pF
7	1	C5	0.047uF
8	1	C6	10uF/25V
9	1	D1	1N4007
10	10	D2-D11	5MM LED
11	1	L1	200uH
12	1	Q1	BT136
13	1	R1	1.5M
14	1	R2	82E, 2W
15	1	R3	1.8K, 2W
16	1	R4	100E
17	2	R5,R7	10K
18	1	R6	560E
19	13	SW1-SW13	4 PIN TACT SWITCH
32	1	U1	LS7311
33	1	ZD1	13V/1W
34	1	ZD2	6.2V ZENER 500mW

