

AC Motor Speed Controller

This low cost current feedback phase control AC motor driver based on U2008 IC, The U2008B is designed as a phase control circuit in bipolar technology. It enables load-current detection as well as mains-compensated phase control. Motor control with load-current feedback and overload protection are preferred application.

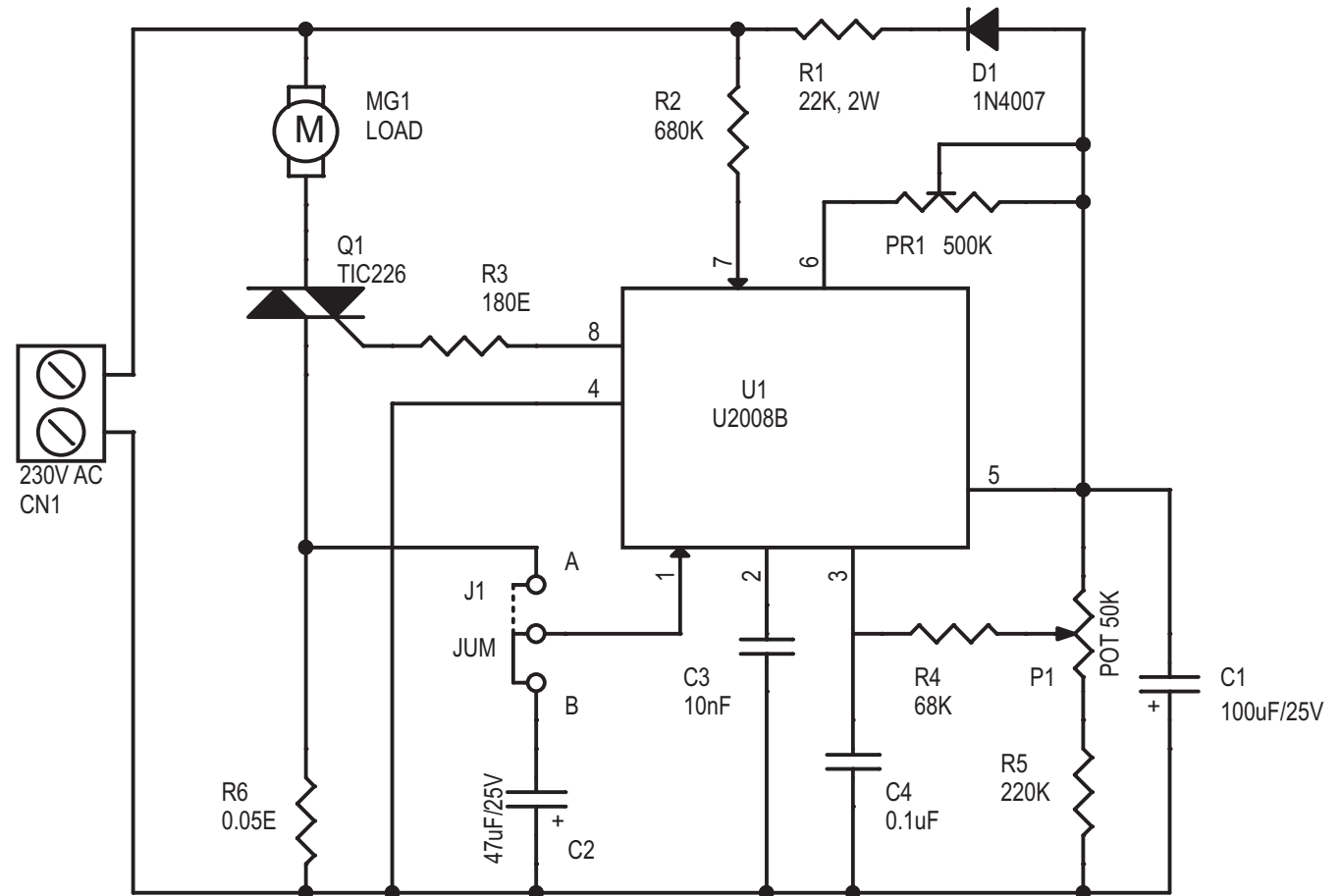
Supply In-put: 230V AC

Load: Up to 500W (Traic Required Heat sink for Higher Load)

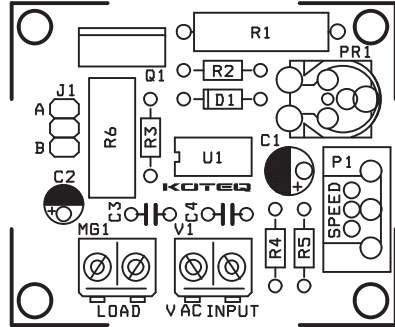
Jumper J1 Selection: A-Load Current Compensation or B-Soft Start

PR1: Preset for Phase Control (Ramp Current Adjustment)

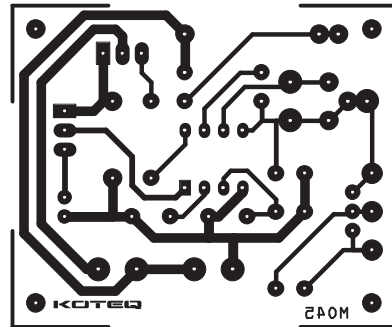
P1 : Potentiometer Set Point



SILK SCREEN TOP



M0TT08



BOM

BOM			
1	1	CN1	2 PIN SCREW TERMINAL
2	1	C1	100uF/25V
3	1	C2	47uF/25V
4	1	C3	10nF
5	1	C4	0.1uF
6	1	D1	1N4007
7	1	J1	JUMPER & CLOSER
8	1	MG1	2 PIN SCREW TERMINAL
9	1	PR1	500K PRESET
10	1	P1	POT 50K
11	1	Q1	TIC226/BT136 TRAIC
12	1	R1	22K, 2W
13	1	R2	680K
14	1	R3	180E
15	1	R4	68K
16	1	R5	220K
17	1	R6	0.05E
18	1	U1	U2008B
19	1	SC	8PIN DIP IC SOCKET



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