

17451-MS 2 PHASE 1.8° STEPMOTOR DRIVER CW230

SPECIFICATIONS:

Power Input: 24-36VDC
 Control Inputs: +5V TTL <20mA Optically Isolated
 Output Drive Current: 0.9-3A
 Stepping: Basic: 1/1=1.8°
 Microstepping: 1/2-1/4-1/8-1/16-1/64
 Protection: Overheat/50% Current lock/Motor Phasing
 Connections: Terminal Strips
 Physical: L: 4-5/8" W: 2-3/4" H: 1-3/8" WT: .7lb



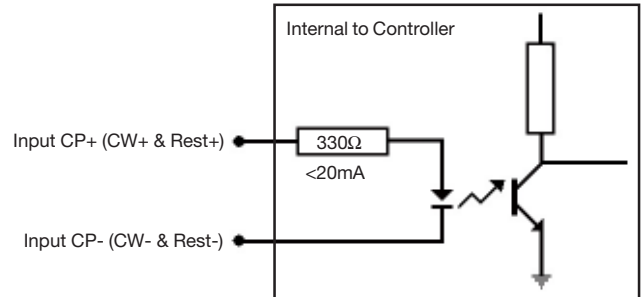
INPUT/OUTPUT CONNECTIONS:

Outputs:

Vcc+: Input power Positive
 GND-: Input Power Negative
 A+: Motor Winding Phase A+
 A-: Motor Winding Phase A-
 B+: Motor Winding Phase B+
 B-: Motor Winding Phase B-

Inputs:

REST-: Signal Return
 REST+: Turns Outputs OFF
 CW-: Signal Return
 CW+: "1"/"HIGH" Forward
 "0"/"LOW" Reverse
 CP-: Signal Return
 CP+: Clock Pulse Input/Leading edge



NOTES: When used above 2A output or Above 30°C, Module must be mounted to Heatsink/metal panel or use fan to provide Axial air flow
 Internal timer sets output to 1/2 of programmed Current after no input signal is received for 1/2 Second to prevent motor heating.
 Output is protected from motor miswires. Should motor oscillate/show erratic rotation/torque/reversing problems, Check motor wiring to driver

MICRO STEP SELECTION

Switch: 0="ON" lever Down
 1="OFF" Lever Up

STEP	M1	M2	M3
----	0	0	0
1	1	1	1
1/2	0	1	1
1/4	1	0	1
1/8	0	0	1
1/16	1	1	0
1/32	0	1	0
1/64	1	0	0

OUTPUT CURRENT LIMIT SELECTION

Switch: 0="ON" lever Down
 1="OFF" Lever Up

I _{OUT}	M5	M6	M7
0.9A	0	0	0
1.2A	0	0	1
1.5A	0	1	0
1.8A	0	1	1
2.1A	1	0	0
2.4A	1	0	1
2.7A	1	1	0
3.0A	1	1	1

Switch Position M8 is not Used