

# 17452-MS 2 PHASE 1.8° STEPMOTOR DRIVER CW250

## SPECIFICATIONS:

Power Input: 20-60VDC  
 Control Inputs: +5V TTL <20mA Optically Isolated  
 Output Drive Current: 0-5A  
 Stepping: Basic: 1/1=1.8°  
 Microstepping: 1/8  
 Protection: Overheat/50% Current lock/Motor Phasing  
 Connections: Terminal Strips  
 Physical: L: 5-3/4" W: 3-3/4" H: 1-3/4" WT: 1.4lb



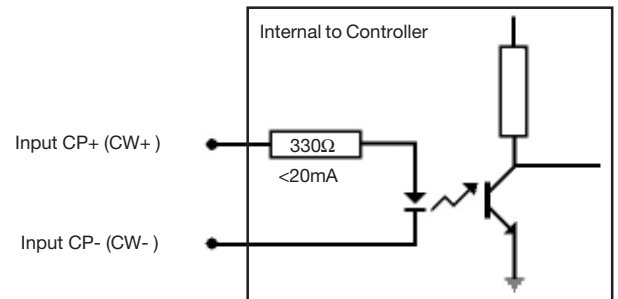
## INPUT/OUTPUT CONNECTIONS:

### 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:

CP+ Clock Pulse Input/Leading edge  
 CP- Signal Return  
 CW+ "1"/"HIGH" Forward  
 "0"/"LOW" Reverse  
 CW- Signal Return  
 H/D Jumper to Gnd. for 1/8 Microstep  
 Gnd.



**NOTES:** When used above 3A 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

## OUTPUT CURRENT LIMIT SELECTION

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

I <sub>OUT</sub>	M1	M2	M3
1.5A	0	0	0
2.0A	0	0	1
2.5A	0	1	0
3.0A	0	1	1
3.5A	1	0	0
4.0A	1	0	1
4.5A	1	1	0
5.0A	1	1	1