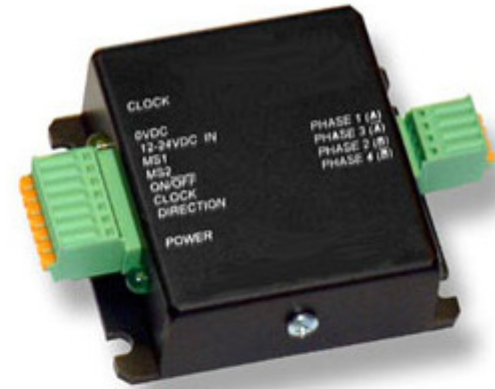


Input Pin Descriptions	
Pin #	Description
1	Direction
2	Clock
3	On/Off
4	MS2
5	MS1
6	12VDC-24VDC
7	0VDC (Gnd)

Motor Pin Descriptions	
Pin #	Description
1	Phase A
2	Phase $\bar{A}$
3	Phase B
4	Phase $\bar{B}$



### Control Inputs (Pins 1, 2, 3, 4, 5):

Microstep Resolution Truth Table		
MS1	MS2	Resolution
Active	Active	Full Step
Inactive (Open)	Active	Half Step
Active	Inactive (Open)	Quarter Step
Inactive (Open)	Inactive (Open)	Eighth Step

- Direction:** Logic "1" CW  
Logic "0" CCW
- Clock:** Active - 1 Step  
Inactive (open) - Reduce Current Mode
- On/Off:** Active - Off  
Inactive (open) - On

**Notes:**  
Open Inputs are inactive and internally pulled up to



**Optimal Engineering Systems, Inc.**  
6901 Woodley Avenue  
Van Nuys, California 91406 U.S.A.  
[www.oes-site.com](http://www.oes-site.com)

Phone (888) 777-1826  
+1 (818) 222-9200  
FAX +1 (818) 436-0446  
E-mail [oes@oesincorp.com](mailto:oes@oesincorp.com)