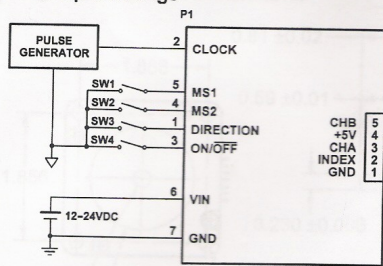
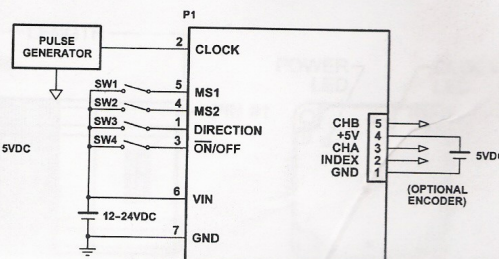


Hook-Up Drawings



**23MD SERIES
(SINKING INPUTS)**



**23MD SERIES
(SOURCING INPUTS)**

Input Pin Descriptions		
Pin #	Description	CBL-AA4031 Wire Color
1	Direction	Brown <i>- white</i>
2	Clock	Red
3	On/Off	Orange <i>- JAT</i>
4	MS2	Yellow <i>-</i>
5	MS1	Green <i>-</i>
6	12VDC-24VDC	Blue <i>- Green/white</i>
7	0VDC (Gnd)	Violet <i>- B1ack</i>

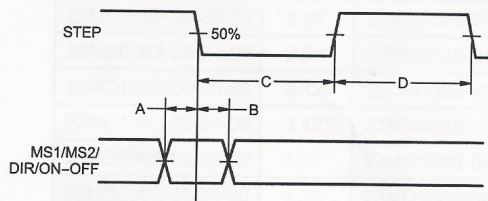
Motor Pin Descriptions		
Pin #	Description	CBL-AA4032 Wire Color
1	0VDC (Gnd)	Brown
2	Index	Red
3	Channel A	Orange
4	+5VDC	Yellow
5	Channel B	Green

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

Note:
Open Inputs are inactive and internally pulled up to +5VDC for 23MDX06X-XX-00-00 (Sinking)
Open Inputs are inactive and internally pulled down to 0VDC for 23MDX06X-XX-24-00 (Sourcing)



- A. Minimum Command Active Time Before Clock Pulse (Data Set-Up Time) ... 200ns
- B. Minimum Command Active Time After Clock Pulse (Data Hold Time) 200ns
- C. Minimum CLOCK Pulse Width 1.0uS
- D. Minimum CLOCK Off Time..... 1.0uS
- Maximum CLOCK Frequency 500kHz

For the sinking version (23MDX06X-XX-00-XX) the inputs are considered inactive or Logic "1" if left open, or active or Logic "0" if grounded. For the sourcing version (23MDX06X-XX-24-XX) the inputs are considered inactive or Logic "0" if left open, or active or Logic "1" if pulled to 3.5 - 24VDC.