

佶慶電機有限公司

CHESHIRE ELECTRIC COMPANY, LLC

2 Phase Bipolar Stepping Motor Driver 2相步進馬達驅動器

MODEL OPH1-40V18A	DRIVER SPECIFICATIONS 驅動器規格書	Page: 1 OF 1
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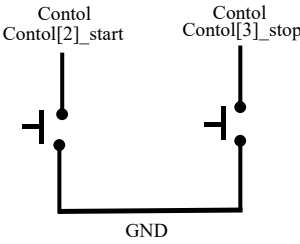


驅動器規格 Motor Driver Specifications

輸入電源 Input Voltage	DC10V~40V
驅動電流 Operation Current	Max. 1.8A
驅動方式 Driverring Method	兩相激磁。Bipolar
GUI視窗連線 GUI Control(option)	1. 使用USB-RS232連接線與驅動板連線，在PC上可以透過從GUI(Graphical User Interface) 圖形用戶界面的軟體，來控制步進馬達驅動板動作。 1.The GUI program communicates with the Driver board using a virtual serial port over a USB-To-RS232 cable on the PC.(option)
GUI 功能 GUI Functions	1. 脈波輸入。Pulse Input
	2. 正/反轉。Direction control CW/CCW
	3. 微步控制。Microstep control(Full, 1/2, 1/4, 1/8, 1/16, 1/32)
	4. 激磁啟動/解除。Holding ON/OFF
	5. 定電流調整。Reference voltage for winding current set by VR.(PS.You must use scope to measure the winding current and adjust VR to your need.)
保護功能 Protections	1. 電源逆接保護功能：輸入端電壓正負極接反時，馬達無法運轉。 1.Polarity Protection:If power polarity error,the motor can not be operated.
	2. 馬達過電流保護功能(ISD)：馬達運轉電流超過額定值時，自動斷流保護，避免馬達過電流燒毀。需斷電，故障排除後，才可重新通電運轉。 2.Over-current detection(ISD):When motor draws more current over the max. current limit,the driver board will be shut off automatically.Correct the error,re-start the power.
	3. 過溫保護(TSD)：驅動IC溫度超過140℃停止工作，直到驅IC驅動器降到140℃以下，重新供電恢復正常工作。 3.Thermal shutdown(TSD): If the temperature of the driver IC is Over 140℃,it will be shut down. Until the driver IC's temperature drop below 140℃, restart the power.
工作溫度 Operating Temperature	- 10℃~60℃
外型尺寸 Size	126x66x28mm
重量 Weight	159g
備註 Remark	

接線說明 Instructions for Wire Connection

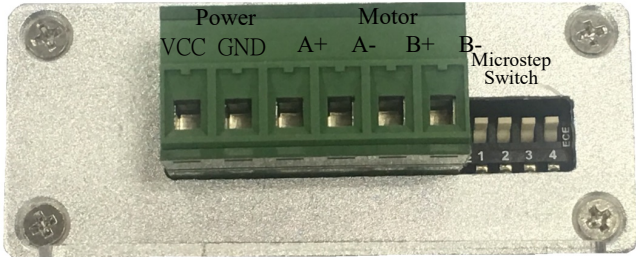
Wire Connection:



驅動器面板功能說明 Instructions for use



Number	Function
1	Pulse_input_NC
2	signal_Gnd_NC
3	DIR_input_NC
4	EN_input_NC
5	Fault_output_NC
6	Cotrol[1]_NC
7	Cotrol[2]_start
8	Cotrol[3]_stop
9	Cotrol[4]_NC
10	GND



Microstep Switch_NC			
M2	M1	M0	step
0	0	0	1
0	0	1	1
0	1	0	1/2
0	1	1	1/4
1	0	0	1/2
1	0	1	1/8
1	1	0	1/16
1	1	1	1/32