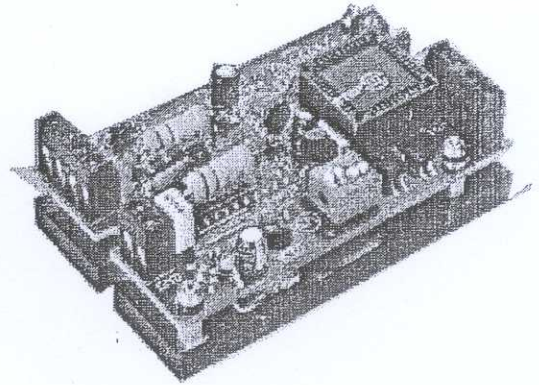


Order code	Manufacturer code	Description
37-0518	n/a	n/a

	Page 1 of 2
The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

4-Phase Hybrid Stepping Driver

37-0518



Specifications

- DC input 18V – 36V
- Max output current 1.0A / phase
- PWM constant current bipolar drive
- 7 operation modes with maximum 64 microstepping options
- Opto-isolated digital signal inputs
- Low vibrations, low noise, excellent design

Technical Data

Driver Model		37-0518
Applicable Motors		Applicable with up to 1.0A / phase for 2 or 4-phase stepping system
Supply Voltage		18-36V DC
Output Current		0.2A -1.0A / phase
Drive Mode		Full Bridge Bipolar PWM MOSFET drive
Input Signals	Pulse Signal	Photo coupler input voltage H = 3.5 to 5.5V, L = 0 to 0.5V Input impedance: 330Ω
	Direction Signal	
Dimensions		22 X 55 X 88 mm
Weight		150g
Operating Ambient	Humidity	40-85%RH
	Temperature	-10°C ~ 45°C
	Heat Dissipation	Additional heatsinking should be provided for phase currents greater than 0.8A / phase

Microstepping Resolution Selection

Switch Position			DIV	Pulse amount
2	3	4		
ON	ON	ON	FULL	200
ON	ON	OFF	2	400
ON	OFF	ON	4	800
ON	OFF	OFF	8	1600
OFF	ON	ON	16	3200
OFF	ON	OFF	32	6400
OFF	OFF	ON	64	12800
OFF	OFF	OFF	64	12800

Current Setting at Standstill

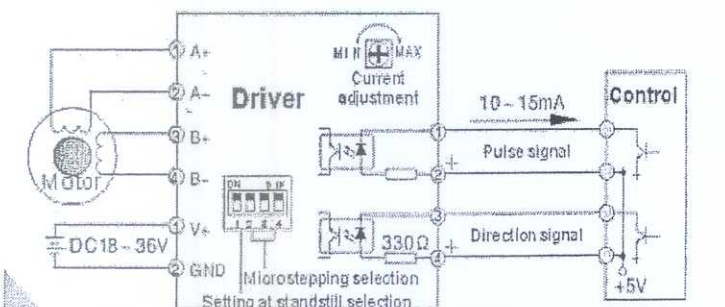
Switch Position	Status
1	
ON	Full Current
OFF	Half Current

Power Inputs

This driver is supplied by direct current with dc input voltage of 18-36V. An unregulated, smoothed, rectified ac transformer output can also be used as the supply. In this case, the rectified ac peak voltage must be less than 38V and the transformer secondary ac output should be less than 23V.

When connecting driver, ensure correct input voltage polarity!!

Connection Diagram



When input signal voltage is 12V, please connect a 1k resistance in series;
When input signal voltage is 24V, please connect a 2k resistance in series.

Mechanical Dimensions [mm]

