

## PSDC4040-2P Integrated Drive Stepper Controller



### Main Features

- Programmable Integrated Controller and Drive
- Output up to 4.0 Amps per phase
- Resolution up to 128000 Pulse Per Revolution
- 12 - 40 VDC Power Input
- 9 Digital Input / 8 Digital Output
- 1 X Analogue Input for Jog Speed Control
- Can be Standalone operation
- Receive SCL command using RS232
- User Friendly software interface

### Introduction

The PSD4040-2P is a integrated Controller and Drive package with powerful, precise and effiecnt MOSFET driver providing up to 4.0 amps per phase and micro stepping resolution up to 12800 steps per revolution. All I/O including, Home, Limit+ and Limit- are optically isolated, 5 to 24 Vdc, with sinking or sourcing signals. The phase current and resolution can be congured using Microsoft Windows-based development software, through RS232C or Rs485. Control of JOG speed and direction can be switched between external mode and internal mode. Connects to PC through RS232/RS485 for programming (cable included) for easy set up and programming.

### Electrical Specification

Supply voltage	JM4040MI	20	-	40	VDC
	JM8060MI	24	-	80	VDC
Output current	JM4040MI	0.2	-	4	A
	JM8060MI	1.3	-	6	A
Control signal input current		5	10	15	mA
		0	-	160	KHz
Turn signal minimum width		2	-	-	us
		2	-	-	us

### Environment Specification

Cooling method	Natural or forced cooling	
Environment	Using the occasion	Avoid dust, oil mist and corrosive gases
	Working temp	0°C - +50°C
	Highest temp	90% RH9 (No condensation)
	Vibration	5.9m/s <sup>2</sup> max
	Storage temp	-20°C - +85°C