Specifications

Power Requirements	90 to 120 VAC single phase, 50/60 Hz, 500 VA max @ 4A
Current Output Range	0.75 to 4.0 Amps
Motor Inductance Range	2 to 80 mH
Input Resolution	200 to 100,000 in increments of 200

Step & Direction Inputs

Input Voltage	5 to 24* VDC
Input Current	5 to 15 mA
Setup Time (Direction)	250 ns
Max. Frequency (Step)	2 MHz

Shutdown Input

Single-Ended Mode Input Voltage (VDC)	HIGH: 3.5 V min. to 5 V max.; LOW: 0 V min. to 1.5 V max.
Differential Mode (VDC between + and –)	HIGH: 2 V min. to 5 V max.; LOW -5 V min. to -2 V max.
Input Current (any terminal @ 0 V to Gnd)	-1 mA to 15 mA

Digital Inputs

Input Voltage	HIGH: 3 V min. to 24 V max.; LOW: 0 V min. to 1.5 V max.

Digital Outputs

Current Sink (ON state, Max.)	100 mA
Output Voltage (ON state @ 100 mA Max.)	0.4 V
Off Voltage (OFF state)	24 V

Environmental

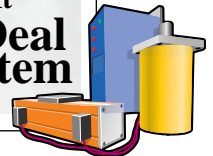|	
Operating Ambient Temperature	0 to 50°C
Storage Temperature	-40 to 80°C
Relative Humidity (Max.)	95% non condensing
Altitude Above Sea Level	10,000 ft. [3,048 m]

Thermal Characteristics

Cooling	Internal fan
Heat Dissipation @ 4 A (typical)	32 W
Dimensions (inches [mm])	H = 5.60 [142]; W = 1.78 [45]; D = 6.37 [162]
Weight	1.75 lbs. [0.794 kg]

*External current-limiting resistor required 12 V and 24 V power supply connections.
 Use 560 Ω, 1/4 W resistor for 12 V connection. Use 1.3 KΩ resistor for 24 V connection.

Please see our 800+ page catalog for specifications on our mechanical system and motor offerings. Our complete catalog is online at www.idcmotion.com.

Make It
An **IDeal System**

How To Order

IMPULSE	Input Power	Capability	Drive Type	Communication		Accessories
IM	— **L**		**T4**			

Input Power
L: Line Voltage 120 VAC

Capability
M: Motion Node Version
D: Drive Version

Drive Type
T4: Stepper Drive, 4A

Communication
2: RS232
4: RS485

Accessories (order separately)
FP100:   Configuration Keypad
DB25BO: 25 pin D-Shell to screw terminal I/O connector
SS-IO: 25 pin D-Shell I/O cable, 2 ft.
SS-IO-6:   25 pin D-Shell I/O cable, 6 ft.

Note: Application Developer configuration software included.