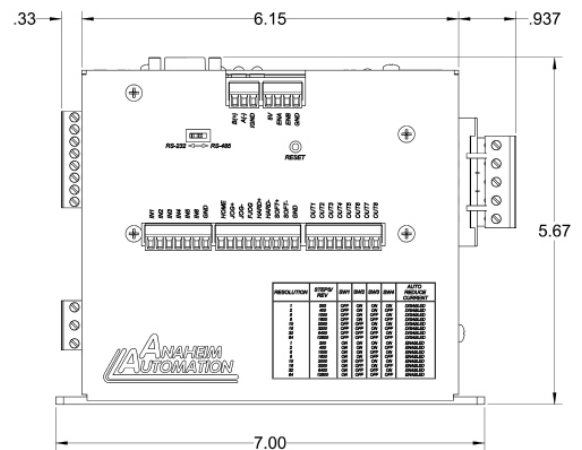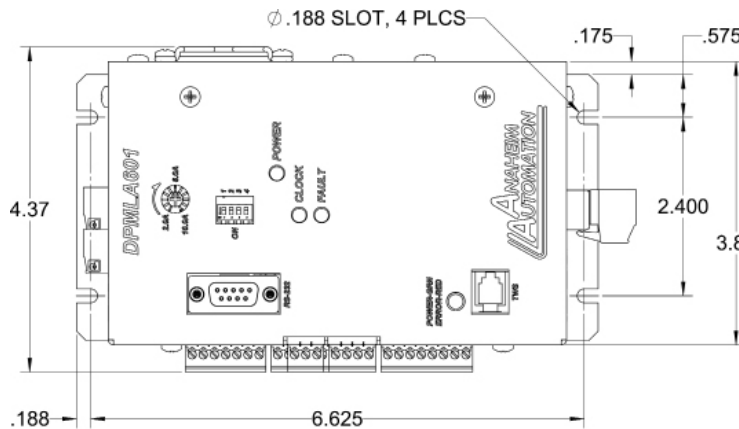**ANAHEIM AUTOMATION**

FEATURES

- *Line Powered Microstep Driver Pack*
- *Integrated Programmable Controller*
- *Easy to Use Windows Software Included*
- *24V Compatible Inputs*
- *0-5V Analog Input for Speed or Distance*
- *10 Amp Max Current Output*
- *Smooth Microstepping Resolution*
- *Compact and Rugged Construction*

DIMENSIONS

DESCRIPTION

The DPMLA601 integrates a powerful microstepping driver and an easy-to-use programmable controller, giving you everything you need in one compact solution. Say good-bye to bulky power supplies and unnecessary wiring for good!

The DPMLA601 contains the popular MLA10641 stepper motor driver which is line powered, giving outstanding "servo-like" performance. The driver can generate 100% more torque and power than typical 80VDC stepper drivers and is able to accelerate the motor faster due to the higher bus voltage. This increase in performance will shorten any system's cycle time while increasing your overall productivity rate.

The DPMLA601 provides independent control of a stepper motor from a PC's serial port or any RS232/RS485 machine controller serial port. The free, easy-to-use SMC60WIN software which can be downloaded from our website, is equipped with a graphical interface that can be used to directly control motion or create stored programs for complete machine control.

Ideal Applications:
Automated machinery or processes that involve food, cosmetic, or medical packaging, labeling, or tamper-evident requirements, cut-to-length applications, electronic assembly, robotics, factory automation, special filming and projection effects, medical diagnostics, inspection and security devices, conveyor and material handling systems, metal fabrication (CNC machinery), pump flow control, XY and rotary tables, equipment upgrades or wherever precise positioning or speed control is required.

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EASY-TO-USE SOFTWARE

SPECIFICATIONS
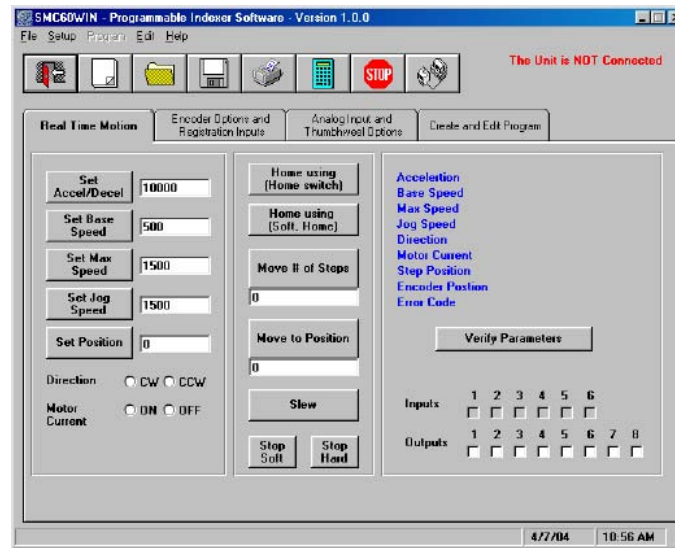
Power Requirements:	90-132VAC, 50/0 Hz
Output Current Range:	2.0 - 10.0 Amps
Microstepping Resolution:	200 - 12,800 steps/rev (1, 2, 5, 8, 10, 16, 32 and 64 Selectable Step Operations)
Nonvolatile Memory:	2KB of Stored Programming Space
Baud Rate:	38,400 Baud, Fixed
Data Format:	Half Duplex, 1 Start Bit, 8 Data Bits, No Parity, 1 Stop Bit
Communication Protocol:	RS232 or RS485 Selectable
Encoder Feed:	Quadrature, CHA, CHB, 5VDC Signal Compatibility
Controller Outputs:	8 Programmable Outputs, Open Drain Type, 40V, 100mA, +5VDC Output, 50mA
Controller Inputs:	6 Programmable Inputs Logic 0: 0 - 0.8VDC Logic 1: 3.5 - 24VDC Analog input: 0 - 5VDC
Pulse Output Range:	1 - 50KHz, 10μS Negative Going Pulse Width

ADDITIONAL INFORMATION

Model #	Description
TWS7	Seven decade thumbwheel switch for entering distance via external interface. (Accessory)
485SD9TB	RS232 to RS485 converter for multiple axes communication. (Accessory)
485USBTB-2W	USB to RS485 converter for multiple axes communication. (Accessory)
AA9MFC-6	Serial port cable, required to communicate to PC. 6ft long. (Accessory)