FEATURES

- Cost Effective Motion Control Solution
- Easy to Use Windows Software Included
- Stored Program Capabilities
- 24V Compatible Inputs
- 0-5V Analog Input for Speed or Distance
- Encoder Feedback
- RS232 and RS485 Compatible
- Multi-Drop Capabilities
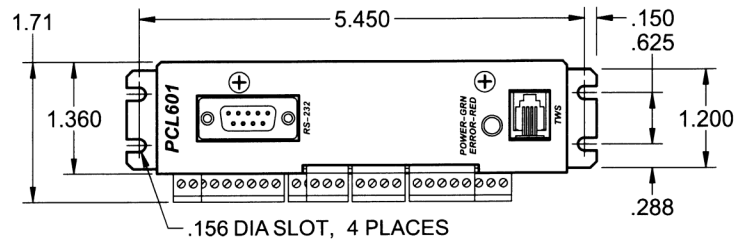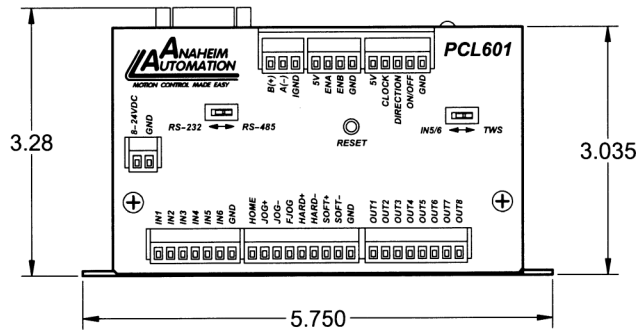- Compact and Rugged Construction
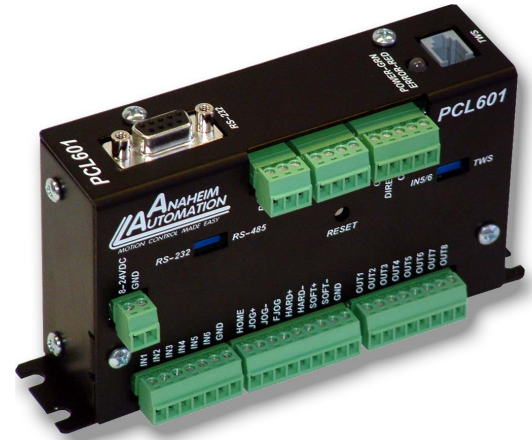
DIMENSIONS

DESCRIPTION

The PCL601 Programmable Controller provides you with a complete motion solution in a compact package. It simplifies programming tasks and provides the essential features for any positioning system. Say good bye to PLC's and time comsuming Ladder Logic Programs for good.

The PCL601 features the ability to connect to a PC and instantly provide movement for a stepper motor. Whether you require a stored program, or the ability to send serial text instructions, this versatile controller provides the ultimate motion solution.

The PCL601's programming capabilities allows you to develop motion routines, turn on discrete outputs, monitor inputs, and much more. The controller contains 2KB of nonvolatile stored programming space and encoder feedback. It achieves communication from a PC or any RS232/RS485 machine controller serial port.

The easy to use SMC60WIN software can be used to directly control motion trajectories, velocity, multi axis communication, and much more. Programming development tasks are simplified by the software's graphical interface, giving you a great tool to achieve quick results.

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.

Includes Easy-Use-Software
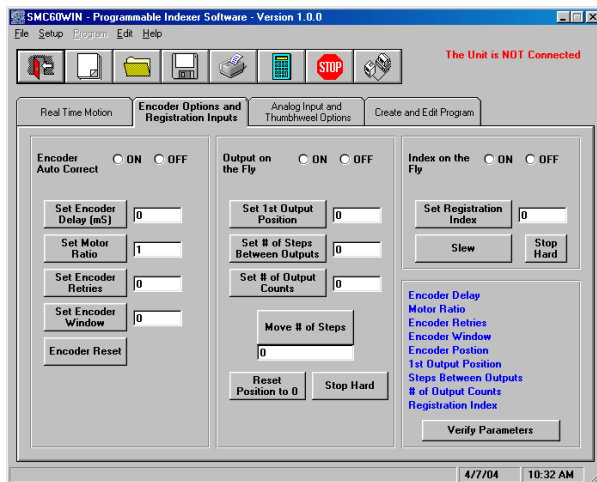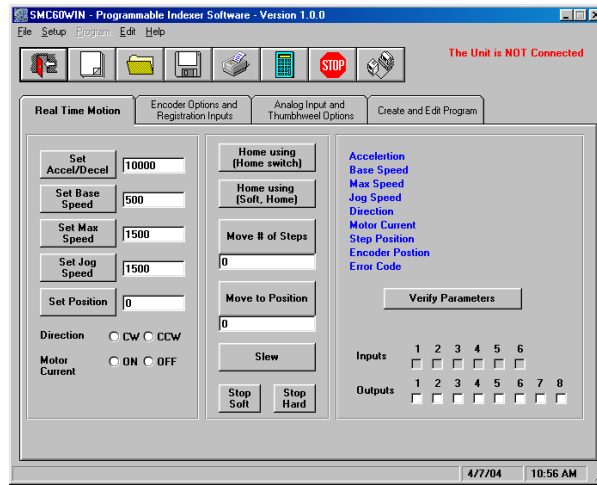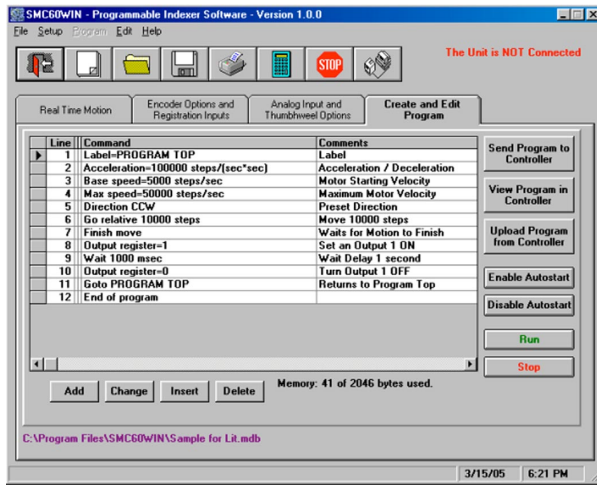
Specifications

Power Requirements:	8-24VDC, 50/60Hz (0.5W Peak Power)
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 Feedback:	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 Ordering Information

Model #	Number of Axis	Current Range (A)	Description	Input Voltage	Power (Watt)
DPMLP601	1	1.5 - 8.0	Line Powered Microstepping Bipolar Driver with an integrated PCL601	90 - 132 VAC	500
DPD75601	1	1.0 - 7.0	Line Powered Unipolar Driver with an integrated PCL601	90 - 265 VAC	300
DPN10601	1	1.5 - 10.0	Line Powered Microstepping Bipolar Driver with an integrated PCL601	90 - 265 VAC	300
TWS7	-	-	Seven decade thumbwheel switch for entering distance via external interface. (Accessory)	-	-
485SD9TB	-	-	RS232 to RS485 converter for multiple axes communication. (Accessory)	-	-
AA9MFC-6	-	-	Serial port cable, required to communicate to PC. 6ft long. (Accessory)	-	-

ADDITIONAL INFORMATION