AXIOM®PLUS IS NOW STANDARD WITH ANALOG INPUT AND MODBUS

Announcing...Version 2.5x

NOW WITH ANALOG INPUT

As part of our ongoing commitment to continuation engineering, Tol-O-Matic is pleased to announce the release of version 2.5x of the AxiomPlus. We have incorporated a variety of user-requested features, intended to enhance connectivity, expand the possible applications and increase usability of the AxiomPlus. These features will allow users to connect to a wide range of human interface and analog devices, connect several controllers together and interact in real-time with both the sequential program and the PLC.

For a more in-depth understanding of all these features and their use, you can visit www.tolomatic.com and view or download the most recent AxiomPlus Software User's Manual, or call our technical sales group at 1-800-328-2174.

New Features Including Analog Input

- **Dual use analog input (use as analog or opto-isolated input)**

- **Debug mode added to sequential program**

  Run program in single steps, multiple steps or to a specified line number

  "Watch window" for monitoring and changing values of registers and flags

- **Registers have been expanded to include counter, timer and analog values in addition to position, velocity and torque limit**

- **PLC flags and I/O can be read and written via ModBus or serial port ASCII commands**

- **Sequential programming instructions added:**

  Absolute position feedback based on analog input

  Analog input position and velocity (force control) moves
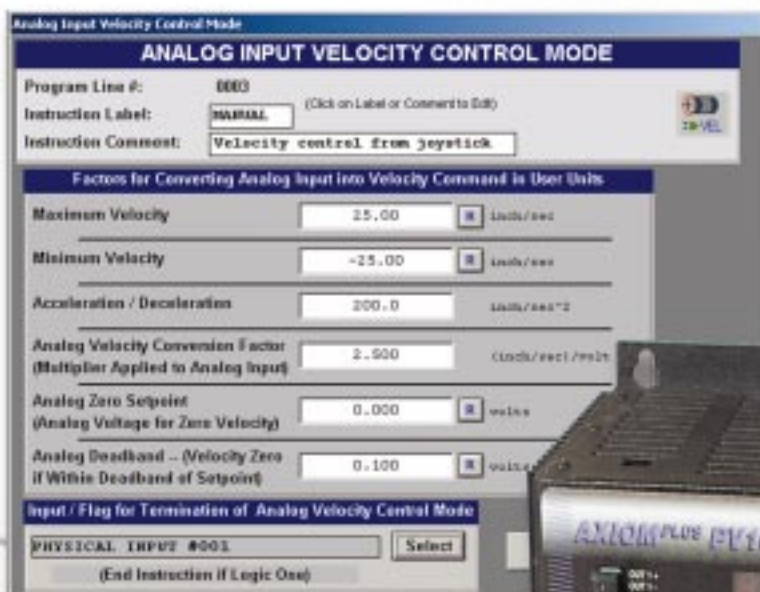
  Save analog input to register

  Branch on analog input compare

  Modify count register value

- **PLC instructions added:**
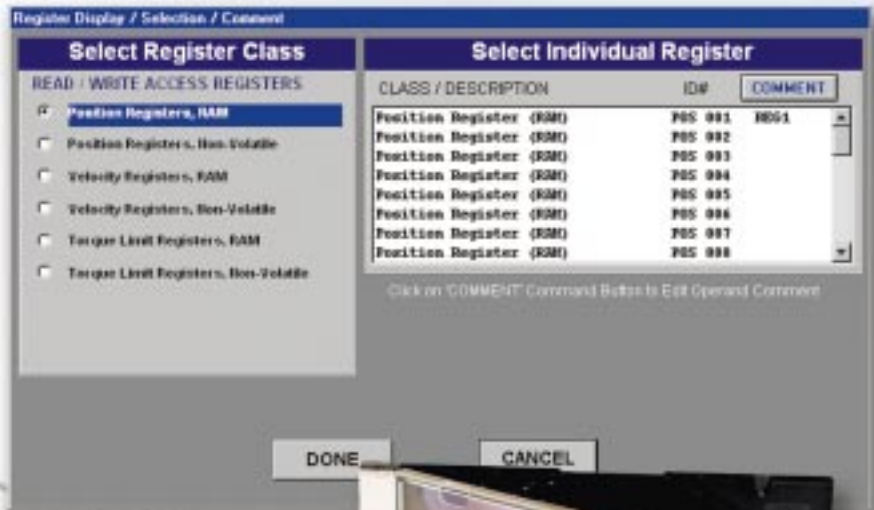
  "Range window" to process variable compare instruction

Analog Input Velocity Control Mode

ANALOG INPUT VELOCITY CONTROL MODE

Program Line #:	0003
Instruction Label:	MANUAL	(Click on Label or Comment to Edit)
Instruction Comment:	Velocity control from joystick

Factors for Converting Analog Input into Velocity Command in User Units

Maximum Velocity	25.00	inch/sec
Minimum Velocity	-25.00	inch/sec
Acceleration / Deceleration	200.0	inch/sec^2
Analog Velocity Conversion Factor (Multiplier Applied to Analog Input)	2.900	(inch/sec)/volt
Analog Zero Setpoint (Analog Voltage for Zero Velocity)	0.000	volts
Analog Deadband - (Velocity Zero if Within Deadband of Setpoint)	0.100	volts

Input / Flag for Termination of Analog Velocity Control Mode

PHYSICAL INPUT #001   Select

(End Instruction if Logic One)

This new release makes AXIOMPLUS the most versatile all-in-one motion control system available in its price range

Additional ModBus, Register and PLC Features

- **ModBus RTU and ASCII connectivity**

- **More registers added along with the ability to use them in more instructions.**

- **Project Save and Load, Upload and Download.**

- **Automatic prompting for serial port selection and opening**

- **Sequential programming instructions added:**

  Assign value to a register.

  Save Position to Register

  Maximum Torque Limit Parameter Change

  Software Travel Limits

  Branch on Position Compare

  In-Position Band value can now be entered as user units

- **PLC instructions added:**

  Register Compare Input Logic

  Indexer Status Flag for Torque Peak Limit

Visit www.tolomatic.com for the latest in sizing and programming software or call 1-800-328-2174 for the Axidyne Products CD-ROM