For constant diameter process line applications requiring Loadcell, Dancer, Torque or Draw web tension control, the Inline Tensioning application module provides easy to use, cost effective and flexible control. When combined with the PowerFlex™ 700S AC drive and DriveLogix™, this performance package will help solve your production needs.

Application
Product tension control is one of the most critical components of a process line. Drive Application Software incorporates the complex features and functions required for proper product tension control. The application is designed with RSLogix 5000™ and operates in the Logix™ environment. This provides the user with a familiar and open programming environment in which they can add machine specific programming if necessary. All Application Modules operate exclusively in the DriveLogix environment.

General Features
- RSLogix 5000 programming environment
- Ladder Logic and Function Block programming languages
- Factory tested, supported, & documented
- Programming tool includes flexible serial interface and standard RS232 connectivity

Requirements
- PowerFlex 700S AC drive with DriveLogix
- Working knowledge of process line tension control
- RSLogix 5000 software tool
- Working knowledge of RSLogix 5000
- OEM or Systems Integrator - Drive Application Software license
Standard Features

- Standard 32-bit process line command word
- Includes all command functions
- Includes all control selections
- Draw / Ratio Control
  - Manual speed trim tension control
  - Supports progressive and regressive draw
  - Draw setpoint from analog input of communications
- Tension Control (Loadcell, Dancer, Torque)
  - Closed Loop tension control, speed or torque trim
  - Closed Loop dancer control, speed or torque trim
  - Open Loop torque control
  - Tension setpoint from analog input or communications
- Automatic dancer centering
- Stall tension
- Dynamic switching between closed loop and open loop tension control
- Inertia and Loss Compensation
  - Frictional and Windage loss adjustment
  - Inertia compensation

Optional Features

- Communications
- ControlNet™
- EtherNet/IP
- DeviceNet™
- Remote I/O
- I/O Expansions
- DriveLogix supports 1 rail of Flex™ I/O
- SynchLink™ - included in all PowerFlex 700S drives
- Fiber Optic drive to drive communications

Technical Support

Drive Application Software support is available through Drives Technical Support
- Tel: (1) 262.512.8176, Fax: (1) 262.512.2222
- Email: support@drives.ra.rockwell.com
- Online: www.ab.com/support/abdrives

Drive Engineering Services

For advanced application expertise and support, contact Local Drives Solutions or Drive Systems
- Support Plus
- Software Modifications & Integration
- Start-Up and Commissioning
- Packaged Hardware & Software Solutions
- Complete “Turn Key” Systems
- Field Modernization & Upgrades

Flex, Logix, RSLinx 5000, DriveLogix, PowerFlex and SynchLink are trademarks of Rockwell Automation. Trademarks not belonging to Rockwell Automation are property of their respective companies.

For additional information refer to our website: www.ab.com/drives/drvappsw

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