

# Drive Application Software

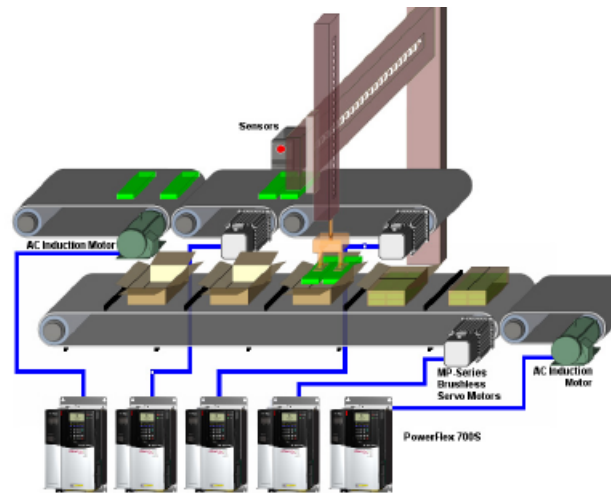


## Positioning (Point to Point) Application Module

For positioning applications requiring point to point position control in an easy to use, cost effective, and flexible package. When combined with the PowerFlex™ 700S AC drive and DriveLogix™, this performance package will help solve your production needs.

### Application

Position control applications can be challenging to control and difficult to commission and maintain. Setting up multiple target positions alone can be difficult. Drive Application Software helps alleviate these issues with a Learn Target function and many other built in user friendly features. 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 as necessary.

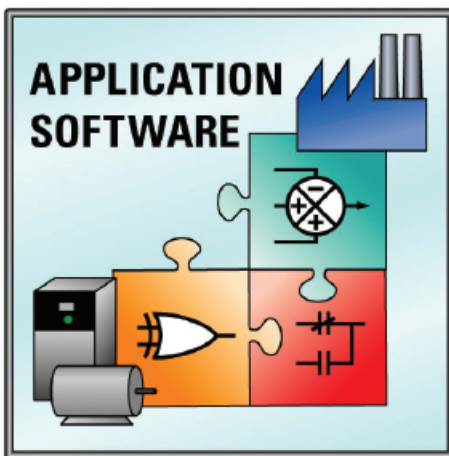


### General Features

- RSLogix 5000 programming environment
- Programmed with Ladder Logic and Function Block 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 positioning application and machine control
- RSLogix 5000 software tool
- Working knowledge of RSLogix 5000
- OEM, Systems Integrator, or End User - Drive Application Software license



## Standard Features

- Standard application module 32bit command word
  - Supports incremental encoder
  - Supports multi-turn Stegmann feedback for absolute positioning
  - Move permissive interlocking
  - Jog forward & jog reverse with optional auto accel for more accurate jogging
  - Independent jog ramp rate/Jog current limit adjustment for jog to hard stop
  - Ramp stop for positioning interrupt
  - Independent accel & decel rates for positioning
  - Adjustable in position range window
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- **Selectable target positions**
    - Up to 12 programmable target positions + Home
    - Next Position command – one input can be used to step sequence through the target positions
    - Next Position can return Home or to Position 1 at end of sequence
    - Independent input command for each position & Go Home
    - Adjustable movement speed for each position
    - “In Window” slow speed for each position with independent window range
  - **Learn Target function**
    - Create movement sequences with Learn mode and Next Position
    - Learn individual target positions
    - Manually adjust target positions in user defined real machine units
  - **Homing function**
    - Independent homing ramp time
    - Set Home for absolute feedback or homing sequence for incremental feedback
    - Homing Sequence supports 1 or 2 sensors

## 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](mailto:support@drives.ra.rockwell.com)**
- **Online: [www.ab.com/support/abdrives](http://www.ab.com/support/abdrives)**

## Drive Engineering Services

For advanced application expertise and support, contact Local Drives Solutions or Drive Systems.

- SupportPlus
- Software Modifications & Integration
- Start-Up and Commissioning
- Packaged Hardware & Software Solutions
- Complete “Turn Key” Systems
- Field Modernization & Upgrades

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**For additional information refer to our website: [www.ab.com/drives/drvappsw](http://www.ab.com/drives/drvappsw)**

**[www.rockwellautomation.com](http://www.rockwellautomation.com)**

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