

POWERFLEX AC DRIVES



FEATURES

- Integral PID Controller allows a process variable to be maintained by automatically adjusting the output frequency
- Three programmable Skip Frequencies and Bands prevent the drive from running continuously at resonant speeds which could cause mechanical breakdowns
- Selectable Fan/Pump Curves provide reduced voltage patterns for centrifugal fan and pump loads
- Sleep Function allows the drive to be cycled off when the system demand drops below a preset level and to be restarted automatically when the demand increases
- For applications that require unattended operation, the Start at PowerUp Function provides the ability to resume running once power is restored after a power outage
- Connection to fire and life safety systems via Freeze/Fire and Purge inputs
- Auxiliary Motor Control allows staging of additional line-started motors to meet system demand
- Damper Input can be used to disable the drive output until desired damper position is obtained, even with a valid run command

OPERATOR KEYPAD

- Integral keypad features 2 line, 16 character LCD display
- 5 LED indicators provide system configuration and fault status
- Configurable Hand/Off/Auto function buttons

COMMUNICATIONS

- RS485 communications integral to base drive
- Embedded Modbus RTU, Metasys N2 and P1-Plant Floor Network protocols are parameter selectable and require no additional hardware or software
- Supports Drive Serial Interface (DSI) communication modules and accessories, including LonWorks® and BACnet® communications adapter
- DriveExplorer™ and DriveTools™ SP software can be used to easily program, monitor and control the drives

PACKAGING

- Installation flexibility is enhanced by the UL plenum rating allowing for direct mounting in an air handling system
- Disconnect and contactor bypass packages simplify installation and startup by combining operator interface, control, communications and power options in preconfigured assemblies
- Contactor bypass packages supplied with 3 - contactors allowing drive test functionality and drive isolation when in bypass mode
- Meets seismic requirements of the 2003 International Building Code as specified by AC156

PREMIER INTEGRATION WITH POWERFLEX DRIVES

For simplified AC drive start-up and reduced development time using the Allen-Bradley® Logix control platform, we've integrated PowerFlex® AC drive configuration with RSLogix™ 5000 software. This single-software approach simplifies parameter and tag programming while still allowing stand-alone drive software tool use on the factory floor.

For more information contact Westburne's Automation Support Group @ 1-877-999-9982