Product Description

Providing users with easy installation in mechanical fan and pump systems, the Allen-Bradley® PowerFlex® 400 AC drive offers a wide range of built-in features allowing for seamless building system integration. Available in power ratings of 3.0...350 HP @ 480V AC and 3.0...50 HP @ 240V AC, the PowerFlex 400 is designed to meet global OEM, contractor and end-user demands for flexibility, space savings and ease-of-use. The PowerFlex 400 is a cost-effective solution for speed control in variable torque fan and pump applications.

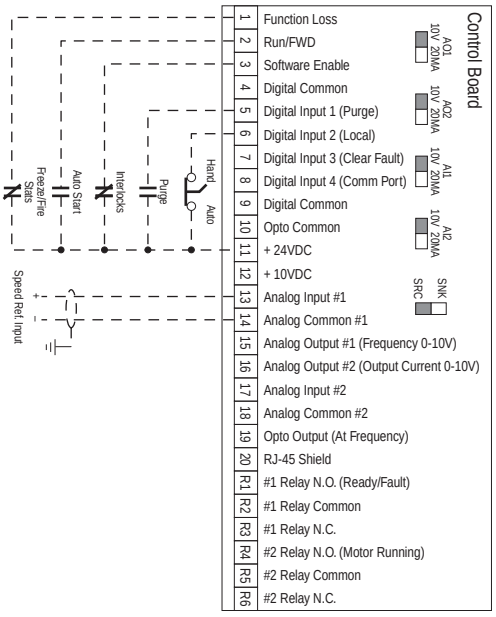
Product Overview

Packaging

- **IP20, NEMA/UL Type 1** - For conventional mounting inside or outside a control cabinet in a 45 °C (113 °F) ambient.
- **Flange Type** - Frame C ratings through 15 kW (20 HP) @ 380...480V AC and 7.5 kW (10 HP) @ 200...240V AC allow for mounting heatsink through back of an enclosure, thus removing a large portion of the heat inside a cabinet. The backside is rated IP66, NEMA/UL Type 4X/12 for both indoor and outdoor use.
- Installation flexibility is enhanced by the UL Plenum rating allowing for direct mounting in an air handling system.

I/O

- Three semi-programmable and four fully programmable digital inputs provide application versatility.
- Two programmable form C relay outputs and one opto output can be used to indicate various drive or motor conditions.
- Two analog outputs are DIP switch selectable for either voltage (0...10V) or current (0...20 mA). These scalable, 10-bit outputs are suitable for metering or as a speed reference for another drive.
- Two analog inputs (one unipolar and one bipolar) are DIP switch selectable for either voltage or current. One input is isolated from the rest of the drive I/O.
- Six programmable form A relay outputs are available via user installed Auxiliary Relay Board (Frames D through H only).

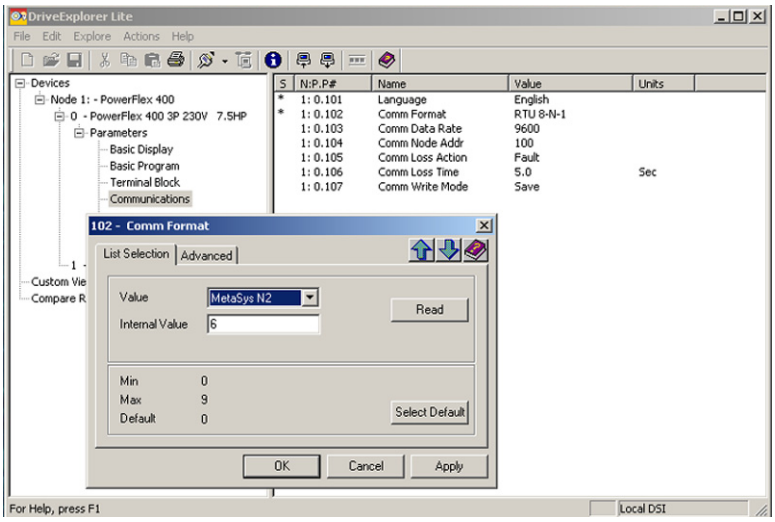


Operator Keypad and Programming

- Integral keypad features 2 line, 16 character LCD display.
- LED indicators provide system configuration and fault status.
- Configurable Hand/Off/Auto function buttons.
- Digital increase/decrease speed control.
- Parameter names are displayed as text.
- Parameters are grouped into files based on function, making programming fast and easy.

Communications

- Supports **Drive Serial Interface** (DSI) communication modules (**DeviceNet**®, **EtherNet/IP**™, **PROFIBUS DP, LonWorks**, **BACnet**) and accessories.
- Embedded **Modbus RTU**, **P1-FLN, and Metasys N2** protocols are parameter selectable and require no additional hardware or software.
- **Integral RS-485 communications** can be used for programming from a PC. It can also be used in a multi-drop network configuration. A serial converter module provides connectivity to any controller with a DF1 port.



PC Programming Software

Connected Components Workbench Software

Connected Components Workbench™ software is a windows-based software packages for programming and configuring Allen-Bradley drives and other Rockwell Automation products. See rok.auto/ccw.
Compatibilty: Windows® XP, Windows Vista and Windows 7

- Online and offline programming capability.
- Operate the drive via an on-screen Control Bar, which is a tool that allows you to start, stop, and change the speed reference of the drive.
- Save, restore, and print parameter information.
- Edit, upload, and download parameters.
- Immediate visual indication of drive and communication status when viewing online drive.