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Find the *ABB / Baldor / Electro-Craft DDM-009* at our website: ***Click HERE***

THE UNIVERSAL DRIVE

The Electro-Craft BRU-Series Advantage Line is a family of versatile, feature-rich and high performance servo drives suitable for many applications. The Advantage line is called an indexing universal drive because of its ability to run both brushless servo motors and induction motors and because of its ability to act as an indexing drive for point to point applications, analog input velocity servo, variable speed drive, stepper drive replacement, linear motor drive or master encoder follower complete with electronic gearing.

BRU-SERIES TYPICAL INTERCONNECT

The addition of indexing functionality with a built-in home routine now provides the ability to configure the drive to execute up to eight different trapezoidal position moves initiated by the use of the digital I/O, TouchPad or an unlimited number of indexes through the use of the host command language. Indexing drives can simplify, as well as cost reduce, many existing motion control systems by eliminating the need for the command source typically provided by motion controllers, stepper controllers and PLC servo and stepper cards.

The Windows based interface, BRU Master, provides you with a powerful configuration and diagnostic tool to improve your productivity when integrating Advantage Line drives into your machine. It shortens the product learning curve by offering on-line help and quick startup windows that simplify your setup. With BRU Master, an on-line digital oscilloscope for fast tuning is just one of several productivity tools designed to provide ease of use.

The BRU-Series Advantage Line has unique flexibility to operate a wide variety of motors so you can optimize the motor/drive system for your applications. Through BRU Master or the optional TouchPad, an Electro-Craft standard motor file can be selected with the click of a mouse or the push of a button. The drive then automatically configures itself as either an AC brushless servo drive or a high performance vector drive. The majority of the motor families come standard with a 2000 line incremental encoder but also have a 5000 line option. This higher resolution encoder, used in conjunction with an Advantage Line drive, provides superior low speed performance for the most demanding applications. And to complement the full functionality and superior performance, the Advantage Line drives, cable and motor systems have been third party tested and certified to the CE EMC requirements.

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FEATURES & BENEFITS

Universal Drive

- Can be configured for a variety of operation modes:
  - Analog position, velocity or torque
  - Indexing capability for point-to-point applications
  - Preset velocities or torques
  - Step and direction
  - Master encoder following
  - Digital serial commands
- Drives either brushless or induction motors by simple set-up
- The same features, cabling and performance are available in a range of both micro drives and standard sized drives

BRU DeviceNet

- ODVA compliant to DeviceNet specifications Version 2.0
- Implemented as a Group 2 Server
- UCMM capable
- Capable of polled I/O, cyclic, change-of-state and explicit messaging
- Standard 5-wire terminal strip style connector

Easy Set-up and Maintenance

- Windows-based BRU Master software provides complete set of troubleshooting and diagnostic tools
- All set up and tuning parameters saved in a non volatile personality module
- All drive configuration and tuning parameters can be set up off-line and saved to disk
- Optional TouchPad MMI provides convenient alternative to BRU Master for the factory floor

Industry Leading Performance

- Advanced low-speed control algorithm for superior control
- Velocity loop bandwidth up to 400Hz
- High frequency encoder input capability

Reliability

- Tested for vibration, shock, humidity and temperature
- Built in protection circuitry safeguards your system
- Wireless construction
- Highly integrated hardware design with custom ASICS and Intelligent Power Modules (IPM)

Global Standards

- UL and cUL listed
- CE marked for European requirements for low voltage and electromagnetic compatibility directives
- Designed and manufactured in an ISO9001 certified plant

The Advantage Line Host Command protocol provides optional drive configuration using the drive's Serial Communications Interface. This powerful feature allows your controller to access

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all of the drive's digital controls using sequences of ASCII characters. The protocol includes error checking to ensure the integrity of the transmitted commands. In installations which have multiple axes, up to 32 Advantage Line drives can be addressed by a host computer. These drives communicate with the host computer using a four wire RS-485 or 2 wire RS-232 interface. The Host Command protocol includes specific drive addressing which allows the host to communicate with all the connected drives concurrently.

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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