

Dynamatic® EC 2000 digital controls



Panel Mount with optional keypad kit with cable and mounting hardware

NEMA 1 or NEMA 12 enclosure complete with keypad and readout

Cost-effective speed control replacement for all Eddy Current drives and brakes up to 6,000 HP

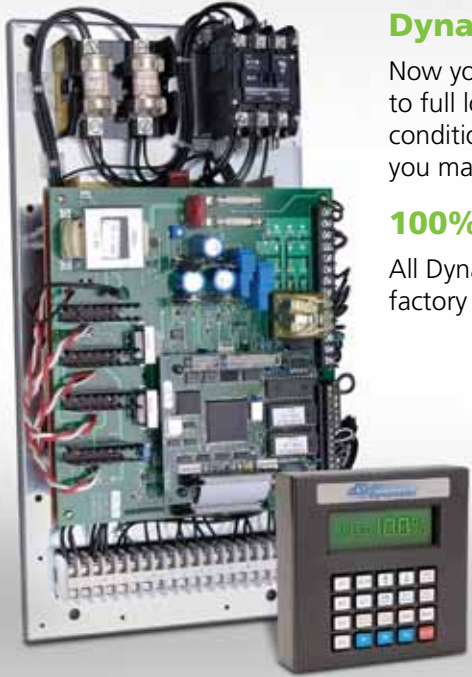
- Parameters allow for fine-tuning of the operation for maximum performance.
- Independently adjustable acceleration / deceleration with timed braking delay after stopping.
- Set point flexibility makes interfacing with a computer system or a programmable logic controller easy.
- Allows different size drives to be controlled with a single control. Reduces parts and control inventory requirements.
- Simple, rugged and compact design with a long life cycle for overall reliability.
- No need for air conditioning or harmonic suppression.
- Unaffected by power quality fluctuations that can destroy variable frequency drives.
- Process signal interface capability.
- New factory warranty / extended warranties available.
- 24-hour factory service, start-up, application support.

EC 2000 replaces all brands of Eddy Current controls, including:

- EM (Electric Machinery)
- Eaton Dynamatic
- US/WER (Emerson)
- Louis Allis
- Ideal Electric
- Hitachi
- Galco

Dynamatic®
DRIVE SOURCE INTERNATIONAL, INC.

New dimensions in Eddy Current control



Dynamatic® EC 2000 delivers precision and flexibility

Now you can control the speed of Eddy Current drives within 0.1% from no load to full load. Receive 250% rated torque for starting and momentary overload conditions. When compared to drives offering only 110-150% starting torque, you may be able to use a smaller, more economical drives.

100% tested

All Dynamatic® controls and drives are 100% load tested before they leave our factory ensuring reliable startup and performance.

Easy installation

Available in 115 volt, single phase, 50/60 Hz input power to simplify worldwide applications. Requires only 1% of line power, allowing installation up to 500' from the drive.

PLC compatibility

Interfacing with existing PLC systems is a snap. Interface directly with computer controlled systems. Interchangeable with a wide range of drive horsepowers, reducing your inventory needs.

Standard functions of the Dynamatic® EC 2000 digital control:

Instrument signal follower permits control from all common process inputs.

Open collector outputs permit interface of control alarm and annunciation with real world devices.

Dual, programmable on-board power relays for customer interface.

Up to four preset speeds can be selected from the softtouch keypad or terminal strip permitting operation at predetermined optimum set points.

Auto restart after power outage provides true "2-wire" control for applications requiring unattended restart.

PLC run/stop functions via the built-in 2-wire scheme permit control through terminal strip.

Automatic and manual functions through terminal strip or softtouch keypad permit process control or normal operation for startup and adjustment.

Local and remote functions through softtouch keypad allow control from multiple operator devices.

Programmable jog speed can be actuated through terminal strip or softtouch keypad for application flexibility.

Speed mode or torque mode flexibility. Speed mode is for closed loop systems utilizing tachometer feedback for precise speed control. Torque mode is for applications where torque is regulated variable rather than speed. In torque mode the control operates by closing only the current loop and regulates torque output of the drive.

Analog output signals can be programmed to provide signal proportional to critical parameters (e.g., speed, current or voltage).

Linear acceleration and deceleration function permits soft start and stop control.

Optional features:

Dancer position without Mutuatrol® adjusts drive speed to maintain position of the dancer. Dancer applies tension to the material. Position is set by operator's reference potentiometer.

Mutuatrol® is for drives with an adjustable torque brake, allowing the drive and the brake to be mutually regulated. Primary purpose is accurate speed control using driving or braking as required. Adjustable braking is included.

Load sharing for multiple drive applications using a single control.

Call Toll Free 800-548-2169 (US / Canada)
+1-262-554-7977 (Outside US/Canada) www.dynamatic.com

24-hour support, on-site service and training

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