

Reversing Drives



Valcor Engineering Corporation

DESCRIPTION

Controlling the rotary direction of a motor typically requires stopping the motor and changing the voltage polarity before restarting it. Another approach is to use a mechanical transmission to accomplish this task. Each method incurs substantial response time. Valcor's unique Reversing Drives are self-contained electromechanical systems that incorporate electromagnetic brakes and clutches to instantaneously start, stop and reverse the direction of an integral output shaft. The drive motor shaft's direction and speed remain constant and is not subjected to mechanical shock during changes in output shaft rotation.

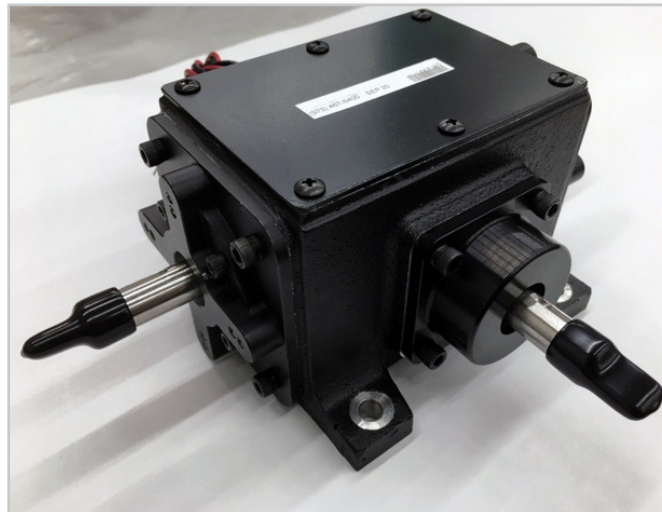
APPLICATION

Reversing Drives applications include:

- Factory Automation
- Business Machines
- Printing equipment including 3D printer, copiers, and printing presses
- Packaging equipment
- Conveyor Systems

FEATURES

- Instantaneously start, stop, and reverse output shaft rotation
- Zero backlash
- Sealed gearbox
- Choice of 6, 12, 24 and 90 VDC input voltages
- Stationary field coils – no slip rings or brushes
- Response times as low as 25 ms
- Optional failsafe brake feature to prevent output shaft from spinning
- Wide range of output shaft sizes and torques available



Contact us today to see how we can help on your next project.

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Valcor specializes in custom designs. Below are just a few examples of styles we have created in the past for our customers.

AVAILABLE STYLES

Series	Style
ARD	Angle Reversing Drive
RD	Parallel Reversing Drive