

New Feature Announcement

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Distributed Feedback for XD-Series Indexer

November 1, 2015 – Rochester, New York, USA – ORMEC is pleased to announce a new feature for the XD-Series Indexer Drive. Distributed Feedback closes the Servo Motor's Position and Velocity Loop with a separate feedback device directly connected at the load.

A separate feedback device such as a Rotary Encoder or Linear Glass Scale can improve accuracy and precision of load positioning, removing errors caused by mechanical limitations such as backlash from a gear-box or pitch error found on ball-screws. Used in conjunction with a pulley and belt system, it also could be used to detect belt breakage.

The separate position can still be latched on the rising edge of each digital input and used in a wide variety of applications such as registration, wind/unwind diameter calculations, etc.

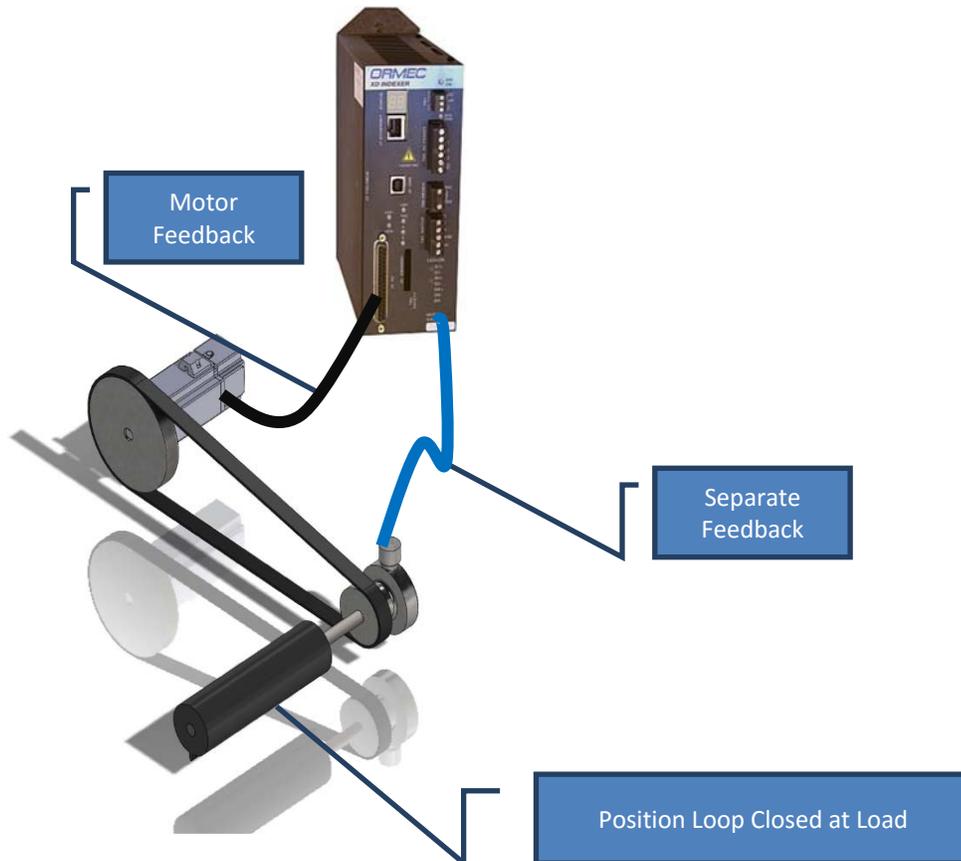


Figure 1: Example of XD-Series Indexer with Distributed Feedback Device

Part Numbers and other Requirements:

ORMEC Part Number	ORMEC Description
SAC-XDabb-cdPefg	Select the Pacer (Aux) Feedback Option on the Drive
SAC-XD Firmware 2.7.0	XD-Series Indexer must be release version 2.7.0 or later.
Other Requirements	Description
Feedback Type	Standard Quadrature (A quad B) up to 12 MHz Differential or single-ended

Table 1: Additions of Distributed Feedback Option for the XD-Series Indexer

About ORMEC

ORMEC's industry experts provide motion control solutions in the aerospace, automotive, energy, medical, pharmaceutical, food and beverage, textile, paper, packaging, metal forming and converting industries. Our systems excel in the most demanding applications including packaging, converting, labeling, web and material handling, as well as general assembly and winding.

Our highly reliable motion control solutions integrate motion controllers, logic control, servo drives, servo motors, linear motors, actuators, HMIs, and I/O into cost-effective factory automation solutions. ORMEC provides application expertise and systems solutions for all types of motion control challenges and offers a team of Systems and Applications Engineers with over 80 years of motion control experience. The company continues to be a leader in the development of motion control solutions and technology, including being the first to introduce an industrial motion control system using a high-speed FireWire network.

For further information visit the ORMEC website at www.ormec.com.