
EXPERIENCE THE
ADVANTAGE

OF

e24iTM

THE NEXT GENERATION OF 24-VOLT CONVEYING SYSTEMS



— BENEFITS OF —



Hytrol's E24i™ provides the industry with the **24-Volt DC conveying solution** customers have wanted for many years. E24i™ sets the standard by delivering a powerful, long-lasting, low-voltage means for product transportation. The new design integrates the control card and the motor for **simplified installation** and **ease of maintenance**. E24i™ systems feature robust electronic control and require less wiring while delivering a sleek appearance and the same versatility of a traditional E24™ motor. Because E24i™ is a Hytrol innovation; it also **works seamlessly with EZLogic®** zero-pressure accumulation systems.

Imagine a line of conveyors and accessories that are friendly to both the operator and the environment, but require no scheduled preventative maintenance — **that's E24i™**.

EASIER, CLEANER INSTALLATION

E24i™ is the first 24-volt conveying system to integrate the control card and motor into one compact unit. The new design allows for simplified installation and fewer parts to stock. With integrated switches, you can accurately set conveyor speed without the use of a tachometer across all E24i™ motors in the system.

FASTEST 24-VOLT CONVEYING SPEEDS

E24i™ provides the necessary power to handle larger products, while allowing more flexibility in the design with fewer motors across larger zones. Hytrol's E24™ and E24i™ conveying systems boasts the highest speeds 24-volt conveying has ever reached. E24i™ is capable of reaching a maximum speed of 254 FPM at 350 RPM without drawing additional current, as compared to 200 FPM at 270 RPM with the standard E24™ motor and card.

E24™ IS MORE RELIABLE THAN EVER

Compared to traditional motor driven rollers, E24i™ has exceptional staying power with a 125,000 hour design life or 10 years of continuous operation, compared to just 30,000 hours with traditional motor driven rollers (MDRs). With fewer components and the addition of the dedicated motor driver chip, the E24i™ is more reliable than ever.

LONG LIFE EXPECTANCY

Fewer moving parts means minimal maintenance, and a safe and quiet operation. E24i™ is designed to last for 125,000 hours, or 10 years of continuous operation — that's over 4 times longer than traditional MDRs.

DECENTRALIZED DRIVE SYSTEM

The flexibility of E24i™ allows for simplified installation, intelligent use of power, and efficient and accurate speed manipulation due to the application of smaller drives throughout the length of the unit.

SIMPLIFIED MOTOR

Hytrol's E24i™ integrates the motor and control card into one unit, eliminating the need to stock multiple parts while allowing for space-saving design and greater heat dissipation than traditional MDRs.

HIGH TORQUE AND LOW RPM

E24i™ provides the necessary power to handle sizable products, while allowing more flexibility in the design by having larger zones with fewer motors.

NO AIR REQUIRED

The E24™ and E24i™ 24-volt conveying systems eliminate the need for air to the conveyor, if it isn't already required elsewhere in your facility.

VARIABLE SPEED ADJUSTMENT

E24i™ allows for an increase in throughput options with accurate, flexible speeds that are easily changed with the integrated control card, and greater speed range with simple spool replacement.

DESIGNED TO WORK WITH EZLOGIC®

Because E24™ and E24i™ are Hytrol innovations, they work flawlessly with EZLogic® to allow multiple options for accumulation and release of product. EZLogic® combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. EZLogic® zone controllers sense product presence and control the accumulation and release of product.

DID YOU KNOW?

The E24™ Global Speed Controller allows you to set and change speeds for up to 20 zones at once, giving you the ability to quickly and easily alter the speed of your system.

To speed up your system or narrow the gap in accumulation, simply install the “speed-up” spool. It is easy to use and offers the ability to accelerate the speed of your system at a rate of 40 - 250 FPM.

WHERE E24i™ EXCELS

E24i™ may be applied anywhere the traditional E24™ card and motor would operate in the low-current setting, including:

- Zero-pressure accumulation
- In-motion weighing
- Gates
- Linking automation cells
- Pharmaceutical order picking
- Manifest feeding
- Stacked conveyor lines
- Postal and document handling
- Machine feeding
- Package lines
- Food processing
- Accumulating curves and spurs
- Assembly lines
- Reversing applications

USING THE TRADITIONAL E24™ MOTOR

Some systems may require the use of the traditional E24™ card and motor in the high-current setting. Applications include any belt over zones, transfers, inclines, or declines.

Compare Models	e24i™	e24™
Max. RPM	350 RPM 	270 RPM
Max. Speed (with Standard Spool)	174 FPM 	134 FPM
Max. Speed (with Speed Up Spool)	254 FPM 	196 FPM
Speed Setting	Switches 	Potentiometer
Voltage	24 VDC	24 VDC
Typical Current Draw	1.0 A	1.0 A
Max. Current Draw	1.5 A 	3.0 A
Typical Torque Output	4 lb./in.	4 lb./in.
Max. Torque Output	4 lb./in.	10 lb./in. 

