

# E24i™ INTEGRATED 24-VOLT SYSTEM

Hytrol's E24i eliminates the need for drive belts, chains, or line shafts, and sets the standard by delivering a long-lasting, low voltage means for product transportation. The 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.

## E24i VS. TRADITIONAL E24™

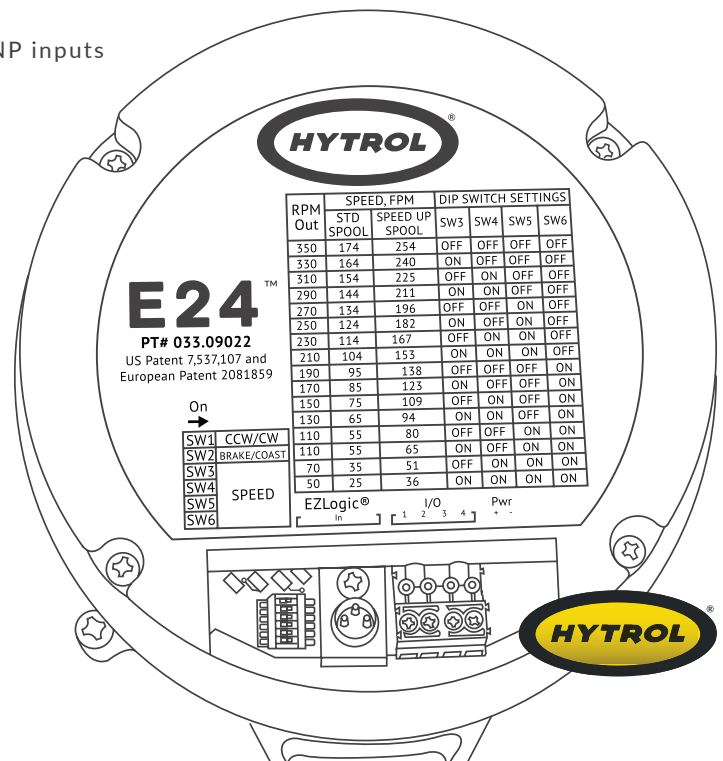
	E24i	Traditional E24
Max RPM	350 RPM	280 RPM
Max speed with standard spool	174 FPM	140 FPM
Max speed with speed up spool	254 FPM	200 FPM
Voltage	24-DC	24-DC
Typical current draw	1.0 A	1.0 A
Max current draw	1.5 A	3.0 A
Typical torque output	4 lbs-in	4 lbs-in
Max torque output	4 lbs-in	10 lbs-in
Speed setting	Switches	Switches

## BENEFITS

- High maximum speed
- Simplified design with less wiring
- Dedicated motor driver chip for robust electronic control

## APPLICATIONS

- E24i may be applied to any application where the traditional E24 card and motor would operate in the low-current setting.
- All E24i systems come equipped with PNP inputs for better protection against noise and voltage drop.
- For sections requiring the high current setting, the traditional E24 card and motor should be utilized. This includes belt over zones, transfers, inclines, and declines.
- The default mounting position for E24i is inside the bed rails.
- E24i may be used in reversing applications.



## E24i CONVEYOR MODELS

## E24i™ INTEGRATED 24-VOLT CONVEYING SYSTEM

### 190-E24

The E24i 24-DC live roller conveyor uses a series of 24-DC motors to drive the tread rollers eliminating the need for drive belts, chains or line shafts.

- All electric 24-volt operation eliminates the need for air

### COMBINED WITH EZLOGIC® ZERO-PRESSURE ACCUMULATION:

Hytrol's EZLogic combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a pneumatic logic component. EZLogic zone controllers sense product presence and control the accumulation and release of product from the zones.

### 190-E24EZ

The 190-E24EZ has the same specifications as the 190-E24, but incorporates Hytrol's EZLogic.

- Motor may be turned off to cause product to stop in zones
- Equipped with an IOP unit (power supply) that provides DC power to the EZLogic system and a wiring hub for advanced features, if I/O boards are present.

	Roller size	Section lengths	Max. load per foot	Max. capacity per E24i Motor	Standard drive Spool Speeds	High-speed drive spool	EZLogic Zone controller increments	
190-E24	1.9" diameter *9 ga. with 3" center	6" increments from 2-10'	37.5 lbs.	75 lbs.	25-174 FPM	35-254 FPM	Y	NA
190-E24EZ	1.9" diameter *9 ga. with 3" center	6" increments from 2-10'	37.5 lbs.	75 lbs.	25-174 FPM	35-254 FPM	N	12", 18", 24", 30", or 36"