



Standard Specifications

DCEZD-63

CHAIN – #60 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 11 1/8 in. x 7 ga. powder-painted formed steel angle. 7 ga. formed coupling channels located at infeed and discharge ends of each module.

DRIVE SPROCKET – Hardened #60 with 1 7/16 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

EZLOGIC® ZONE CONTROLLER – Located in each zone. NEMA 1, 2, IP62. UL Approved.

ACCUMULATION ZONES – 60 in. long sections with EZLogic® Accumulation.

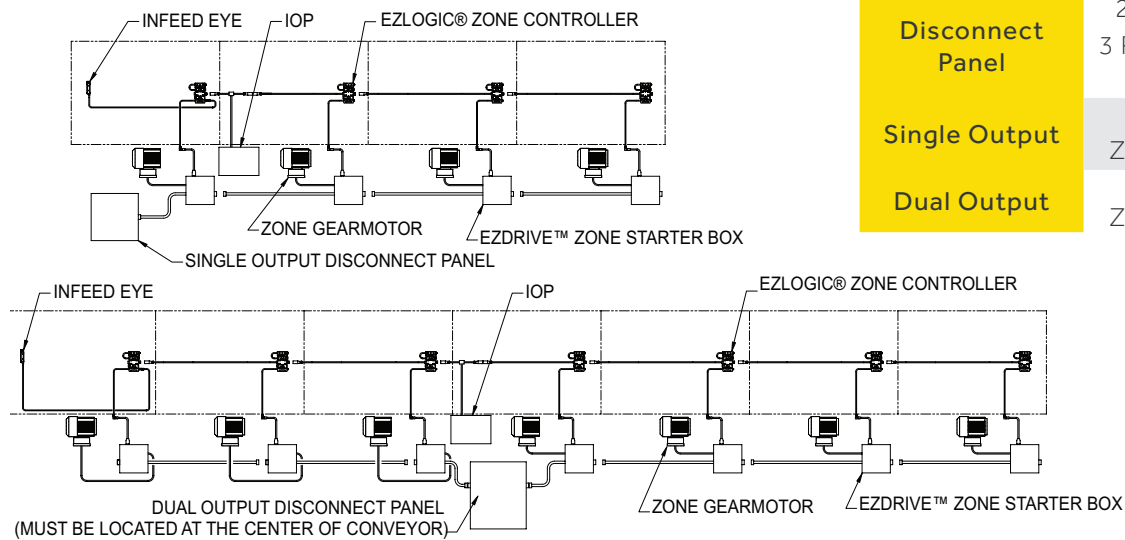
IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Requires 120VAC or 230VAC single phase input.

MOTOR – 3/4 HP, 230/460/575V, 3 Ph. 60 Hz. gearmotor, shaft-mounted at discharge end of zone.

CONVEYING SPEED – 30 FPM.

CAPACITY – 3,000 lbs. maximum per zone at 30 FPM.

FLOOR SUPPORTS – Supplied as optional equipment.



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|------------------|-------------|-------------|
| Disconnect Panel | 230V | 460V |
| | 3 Ph. 60 Hz | 3 Ph. 60 Hz |
| Single Output | 1-4 Zones | 1-8 Zones |
| | 5-8 Zones | 9-16 Zones |
| Dual Output | | |

Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

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Optional Equipment

FLOOR SUPPORTS – DCS Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

ACCUMULATION ZONES – 48 in., 54 in., and 66 in. intermediate sections with EZLogic® Accumulation. Contact factory for other lengths.

CONVEYING SPEED – Speeds other than 30 FPM will require gearmotor change (contact factory).

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

EZLOGIC® – See EZLogic® Components Page.

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EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.