

Application Solution - Conveyor Ovens

Dart Controls offers DC drives for Conveyor Oven applications with features not available anywhere else in the market – closed loop accuracy under changing load / line voltage / temperature conditions and exclusive offering of integrated, programmable digital display that reads feed rate units or time in process. Conveyor ovens are found in food preparation, heat treating, drying and curing applications in many industries.....

TRADITIONAL DC DRIVES

Dart offers a comprehensive line of DC variable speed drives, options and enclosure types. All are UL approved, dual voltage (auto-sensing) with adjustable HP rating to cover a range of motor sizes and ratings. Options are available to interface with plc's and other supervisory systems; reverse the controlled motor and to synchronize multiple motors to run at equal or proportional speeds.



ADVANCED DIGITAL DC DRIVES

The MD Series was developed based upon three decades of research and continuous improvement. Machine designers appreciate the integrated programmable display, alarm / status outputs and predictability of closed-loop speed regulation under changing conditions. In fact, it has been found the installed cost of this all-in-one drive is less than traditional DC drives with separate display and accessories.



PU Series
(Digital Encoder)



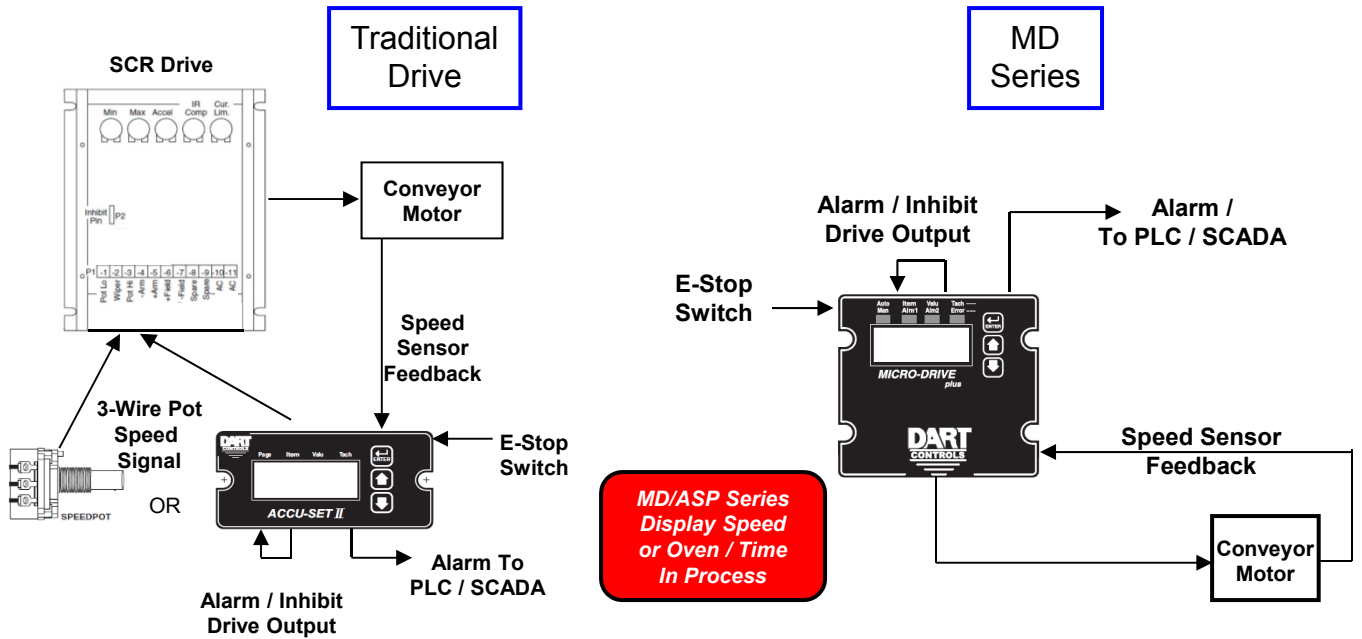
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SPECIFICATIONS

	15DV1A/ 15DV2A	125DV-C	253G-200C	MD10P	MD3P	MD3E	BLM701P (Brushless DC)
Voltage In ¹	120/240 VAC						12-48Vdc
Voltage Out	90/180 VDC						0-Input
HP	1/50 – 1/4 HP	1/50 – 1HP	1/50 – 2HP	1/50 - 1 HP	1/4 - 2 HP		400 Watts
Enclosure	Chassis			NEMA 4X		NEMA 4 ²	NEMA 4X
Input (Speed)	Speed Pot			Front Panel Pushbuttons			
Overload (1 min)	200%		150%	200%		N/A	
Transient Protect	Gmov						N/A
Configurable Inputs	N/A			Master / Follower, Inhibit, E-Stop, Jog, Preset Speeds			
Configurable Outputs	N/A			Drive Running, Speed Outside Limits, Sensor Loss, Master Ref. Loss			
Regulation / Range	± 1% / 50:1			± 1/2 RPM / 50:1+			
Preset Speeds	Speed Pot			Up to 3 When Using Display and Configurable Inputs at Jog Speed		Front Panel	
Agency	UL / RoHS	UL/CE/RoHS	UL / RoHS			RoHS	

1Auto-Sensing 2 NEMA 4X available

ACCESSORIES & APPLICATIONS



ASP Series **closed-loop** digital potentiometer. Motor sensor required; helps drive maintain exact speed under changing line voltage or load



DP4 digital potentiometer for exact, repeatable drive setting. No motor sensor required; replaces traditional speed pot

FOR PRICE AND AVAILABILITY

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