


**Instrument Data Sheet**

General	1	Product	Dual Set Point Motion Controller (AC Power)
	2	Model Number	MSD-800
	3	Manufacturer	Conveyor Components Company
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Environment	5	Ambient Temperature	0 to 50 °C [32 to 122 °F]
	6	Storage Temperature	-20 to +65 °C [-4 to +149 °F]
	7	Enclosure Rating	Open Type Process Control
	8	Mounting	Panel Mount: 1/16 DIN (45mm [1.77 in] x 45 mm [1.77 in]) cutout
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Electrical	14	Switch Type	1 SPST + 1 transistor (Output 1); 1 SPDT relay (Output 2)
	15	Contact Type	Dry contact
	16	Relay Contact Rating	5A resistive @ 250V AC max.
	17	Electrical Action	Non-latching
	18	Output Power to Sensor	12V DC
	19	Input Signal from Sensor	0V – 12V DC: NPN or PNP (field programmable)
	20	Power Input	100V - 240V AC standard (24V DC available on request)
	21	Power Consumption	10 VA max. (100V-240V AC input) or 5 W max (24V DC input)
	22	Readout	6 Digit LED readout
	23	Cable Type	2+1 conductor shielded cable; Belden 8760 or equivalent
	24	Cable Length	Max 4000 ft. [1220 m] between controller and MSD-1(X) sensor
	Options	25	
26		Power Input	120V-240V AC (MSD-800)
27			24V DC (MSD-800-24)
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Accessories	30	Additional Cable	2+1 conductor shielded cable (MSD-14); Belden 8760 or equivalent
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Certifications	37	UL File	E243710 (Delta model CTA)
	38	CE Conformance	Yes
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Manufacturer	40		Conveyor Components Company Division of Material Control, Inc. 130 Seltzer Road, PO Box 167 Croswell, MI 48422 USA Phone: (810) 679-4211 Fax: (810) 679-4510 info@conveyorcomponents.com www.conveyorcomponents.com
Notes: <ol style="list-style-type: none"> <li>1. Switch shaft should be mounted in line or parallel to the driving shaft</li> <li>2. Sensor can be driven by flexible coupling, belt drive, chain drive, or gear drive.</li> <li>3. The recommended signal point is 15-20% above or below running speed. This will reduce nuisance shutdowns and improve response time. An excessively low trigger setting may result in an increased delay in switch response.</li> </ol>			