

**Instrument Data Sheet**

General	1	Product	Compact Motion Switch with Pulse Output
	2	Model Number	CMS-1G-DSPO
	3	Manufacturer	Conveyor Components Company
	4		
Environment	5	Ambient Temperature	-10 to 55°C [14 to 131 °F]
	6	Enclosure Material	319 cast aluminum
	7	Enclosure Rating	NEMA Type 3S, 4, 4X
	8	Mounting	Surface mount, switch shaft should be mounted in line or parallel to the driving shaft
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Electrical	10		
	11	Number of Set Points	2
	12	Switch Type	DPDT relay X 2 (1 per set point)
	13	Contact Type	Dry contact
	14	Relay Contact Rating	3A resistive @ 120V or 240V AC; 3A @ 30V DC; 1/10 hp @ 120V or 240V AC
	15	Electrical Action	Non-latching
	16	Pulse Encoder Type	12V DC (3 wire)
	17	Pulse Resolution	12 PPR standard (50 PPR for optional low speed encoder disk)
	18	Electrical Connection	3/4" NPT x 2
	19	Electrical input rating	120V AC (240V AC available on request)
Actuator	20	Indicating Lamp	Internal indicators only
	21	Type	Rate control switch
	22	Mechanism	Infrared tracked rotating disc
	23	Inactivated State	Shaft rotating under/over trigger rate (field adjustable)
	24	Activated State	Shaft rotating over/under trigger rate (field adjustable)
	25	Trigger Rate Range	Field adjustable 0 to 1000 RPM
Options	26	Action	Non-latching
	27	Finish	Uncoated (standard) or epoxy coating (option E)
	28	Pulse Rate:	12 PPR (standard)
29	50 PPR (optional low-speed encoder disk)		
Accessories	30	Stub Shaft	Stub shaft (303): adaptor for coupling; 5/8" - 11 N.C. right hand thread with a jam nut on one end, 3/16" key slot on the other
	31	Shaft Extension	Flexible Coupling (304): for connecting CMS to the driving shaft
	32	Coupling Guard	Coupling Guard (305): protective cover for the coupling assembly
	33	Brackets	Mounting bracket (310) for mounting to a perpendicular surface
	34		Bearing bracket (311) for 1 7/16" shaft diameter
	35		Bearing bracket (312) for 1 15/16" to 2 7/16" shaft diameter
36	Bearing bracket (313) for 2 15/16" to 3 7/16" shaft diameter		
Certifications	37	UL Certification File	NMTR.E231991
	38	cUL Certification File	NMTR7.E231991
	39		
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
<p>Notes:</p> <ol style="list-style-type: none"> <li>1. Switch shaft should be mounted in line or parallel to the driving shaft</li> <li>2. Can be driven by flexible coupling, belt drive, chain drive, or gear drive.</li> <li>3. The recommended signal point is 15-20% 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> <li>4. applications below 5 RPM require a the low-speed encoder disk</li> </ol>			