


Instrument Data Sheet

General	1	Product	Roto-Level Control: Rotating Paddle
	2	Model Number	CR-1A
	3	Manufacturer	Conveyor Components Company
	4		
Environment	5	Ambient Temperature	< 40 °C [104 °F]
	6	Process Temperature	Up to 350 °F [177 °C] when using stainless steel shaft and paddle; Up to 160 °F [71 °C] when using a flexible shaft (CR-71); -20 to 180 °F [-30 to 82 °C] when using neoprene paddle (CR-64)
	7	Enclosure Material	319 cast aluminum
	8	Enclosure Rating	NEMA Type 4, 4X
	9	Mounting (Unit)	1-¼" NPT thread – male; Side or top bin mounting plates available
	10	Mounting (Mounting Plate)	Flat plate with 1-¼" NPT coupling – female Ø7.0" [Ø178 mm] bolt circle 6 holes at Ø ¹⁷ / ₆₄ " [7 mm] (¼" studs or bolts)
	11		
Switch	12	Switch Type	SPDT x 1
	13	Contact Type	Dry contact
	14	Contact Rating	20A @ 125V, 250V or 480V AC; 1 hp @ 125V AC; 2 hp @ 250V AC; ½ A @ 125V DC; ¼ A @ 250V DC
	15	Electrical Action	Non-latching
	16	Electrical Connection	¾" NPT x 1
	17	Supply Voltage	120V AC
	18	Power Consumption	5 W
	19	Indicating Lamp	None
Actuator	20	Type	Rotating paddle level control
	21	Mechanism	Rotating paddle with sprung arm
	22	Inactivated State	Paddle freely rotating (1 rpm)
	23	Activated State	Paddle rotation obstructed (field adjustable sensitivity)
	24	Action	Non-latching
	25		
Options	26	Finish	Epoxy (option E) coating available
Accessories	27	Paddle	Four vane paddle (CR-61)
	28		Curved vane paddle (CR-62): inserts through coupling
	29		Solid shaft with single vane paddle (CR-63): inserts through coupling, 350° F [177° C] process temperature
	30		Flexible neoprene paddle (CR-64)
	31		Flexible stainless steel paddle (CR-65)
	32	Mounting Plate	Powder coated steel: side of bin (CR-81) or top of bin (CR-83)
	33		Stainless steel: side of bin (CR-82) or top of bin (CR-84)
	34	Shaft	Solid stainless steel (CR-70) or flexible neoprene (CR-71)
	35	Shaft Extension	Extensions and extension guards available in galvanized (CR-90, CR-100) or stainless steel (CR-91, CR-101)
	36		
Certifications	37	UL Certification File	NMFT.E83971
	38	cUL Certification File	NMFT7.E83971
	39		
Manufacturer	40		Conveyor Components Company Division of Material Control Inc. 130 Seltzer Road, PO Box 167 Crowell, MI 48422 USA (810) 679-4211 info@conveyorcomponents.com www.conveyorcomponents.com
Notes: 1. If the shaft extension is longer than 10 ft. [3 m], the extension guard should be braced against the bin wall every 5 ft. [1.5 m]. 2. Extension guards should be cut 2" [50 mm] shorter than the overall shaft and paddle length.			