


Instrument Data Sheet

General	1	Product	CR <i>Ultra</i> Roto-Level Control: Rotating Paddle, Fail-To-Safe (Dust Ignition Proof)
	2	Model Number	CRUX-2A
	3	Manufacturer	Conveyor Components Company
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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	Meets NEMA Type 9: Class II (Div. 1 & 2), Groups E, F & G
	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	DPDT Relay
	13	Contact Type	Dry contact
	14	Contact Rating	5A @ 125V or 250V AC; ½ hp @ 125V AC; 1 hp @ 250V AC; ½ A @125V DC; ¼ A @ 250V DC
	15	Electrical Action	Non-latching
	16	Electrical Connection	¾" NPT x 1
	17	Electrical Input	120V AC
	18	Motor Power	4W
	19	Indicating Lamp	LED (flashing indicates unobstructed paddle)
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
	24	Action	Non-latching
	25	Time Delay	Field adjustable: 3 to 45 seconds.
	26		
Options	27	Finish	Epoxy (option E) coating available
Accessories	28	Paddle	Four vane paddle (CR-61)
	29		Curved vane paddle (CR-62): inserts through coupling
	30		Solid shaft with single vane paddle (CR-63): inserts through coupling, 350° F [177° C] process temperature
	31		Flexible neoprene paddle (CR-64)
	32		Flexible stainless steel paddle (CR-65)
	33	Mounting Plate	Powder coated steel: side of bin (CR-81) or top of bin (CR-83)
	34		Stainless steel: side of bin (CR-82) or top of bin (CR-84)
	35	Shaft	Solid stainless steel (CR-70) or flexible neoprene (CR-71)
	36	Shaft Extension	Extensions and extension guards available in galvanized (CR-90, CR-100) or stainless steel (CR-91, CR-101)
Certifications	37		
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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: 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 extended shaft length.			