


**Instrument Data Sheet**

General	1	Product	Tilt Level Controller: Intrinsically Safe Output
	2	Model Number	CT-105B
	3	Manufacturer	Conveyor Components Company
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Environment	5	Ambient Temperature	< 40 °C [104 °F]
	6	Enclosure Material	319 cast aluminum
	7	Enclosure Rating	NEMA Type 3, 4, 4X
	8	Intrinsically Safe	Intrinsically safe circuits for Class I (Div. 1 & 2): Groups A, B, C & D; Class II (Div. 1 & 2): Groups E, F & G when used with CCC G-series tilt probe as per installation instructions I0020006
	9	Mounting	3 holes at $\varnothing^{13/32}$ [10 mm] (Vertical surface mounting standard, bracket available for horizontal surfaces)
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Switch	11	Switch Type	DPDT relay
	12	Contact Type	Dry contact
	13	Contact Rating	5A @ 120V AC; 5A @ 240V AC
	14	Electrical Action	Non-latching
	15	Time Delay	0.1 to 10 seconds (field adjustable)
	16	Electrical Connection	$\frac{3}{4}$ " NPT x 1 for intrinsically safe probe connection only
	17		$\frac{3}{4}$ " NPT x 2 for power and switch connections
	18	Supply Voltage (Line In)	240V AC
	19	Indicating Lamp	1 red LED indicating Alarm; 1 green LED indicating Normal
	20		
Probe Connection	21	Type	Tilt probe controller
	22	Input	3 wire cable
	23	Contact Type	Dry contact
	24	Probe Power Supply	< 12V DC (non-replaceable 50 mA fuse)
	25	Cable Type	16-3 SO type electrical cable. (using electrical cable not provided by Conveyor Components Company voids a product's UL Certified status)
	26	Cable Length	Maximum 5000' [1524 m] cable between probe and controller.
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Options	30	Finish	Uncoated (standard) or epoxy (option E) coating
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	32		
Accessories	33	Mounting Bracket	Available for horizontal surface mount (RS-30)
	34	Additional Cable	16-3 SO type cable (CT-300G) for intrinsically safe units
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	36		
Certifications	37	UL Certification File	NRDZ.E102270
	38	cUL Certification File	NRDZ7.E102270
	39		
Manufacturer	40		Conveyor Components Company Division of Material Control, Inc. 130 Seltzer Road, PO Box 167 Croswell, MI 48422 USA (810) 679-4211 info@conveyorcomponents.com www.conveyorcomponents.com
Notes: <ol style="list-style-type: none"> <li>1. UL certified for intrinsically safe output for Class I (Div. 1 &amp; 2), Groups A, B, C &amp; D; Class II (Div. 1 &amp; 2), Groups E, F &amp; G when used with CCC G-series tilt probe as per installation instructions I0020006.</li> <li>2. Maximum 5000' [1524 m] cable between probe and controller.</li> <li>3. Using a probe or cable not provided by Conveyor Components Company voids UL certified status.</li> </ol>			