



Installation Notes RIA 261



- 1.) Installation should be in accordance with the CEC Part 1.
- 2.) Programming in hazardous location is permitted.
- 3.) Suitable for use in Class I, Div. 1, Groups A, B, C, D
- 4.) CSA certified associated apparatus must meet the following requirements:
 $V_{oc} < V_{max}, U_i$ $C_a > C_i(\text{RIA 261}) + C_i(\text{process transmitter}) + C_{cable}$
 $I_{sc} < I_{max}, I_i$ $L_a > L_i(\text{RIA 261}) + L_i(\text{process transmitter}) + L_{cable}$
- 5.) Maximum Non-Hazardous Area Voltage must not exceed 250V.
- 6.) Ensure that the RIA 261 Enclosure is at the same potential as barrier ground.

Warning: Substitution of components may impair Intrinsic safety and Class I, Div. 2 installations

Entity Parameters for Terminals:

RIA 261	INTRINSICALLY SAFE Class I / Division 1 / Groups ABCD / T6 Ex ia IIC T6
Supply circuit (Terminal 1 + and 2 -) (3 and 4)	$V_{max}, U_i < 30 \text{ V}$ $I_{sc}, I_i < 100 \text{ mA}$ $C_i \text{ RIA 261} = 0$ $L_i \text{ RIA 261} = 0$
Temperature range T6	$T_a: -20^\circ\text{C} \dots 60^\circ\text{C}$

Edge of working parts ISO 13715 -0.3 +0.2		Geometrical Tolerancing ISO 2768-mH-E	Scale	Volume: [mm ³]
		Series	Material ZD 012R/09/en/04.02	Ident.-No. 51003935
		Date	Title	
		Drawn 2001-01-10	CONTROL DRAWING CSA	
		Check 2001-01-10	RIA 261	
		Norm		
		Sheet size A4		
		Repl. for:		
		ENDRESS+HAUSER	Drawing No.	Sheet
		WETZER	02 06 00 112	1
Index	Revision	Date	Name	Of 1
Part:				

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