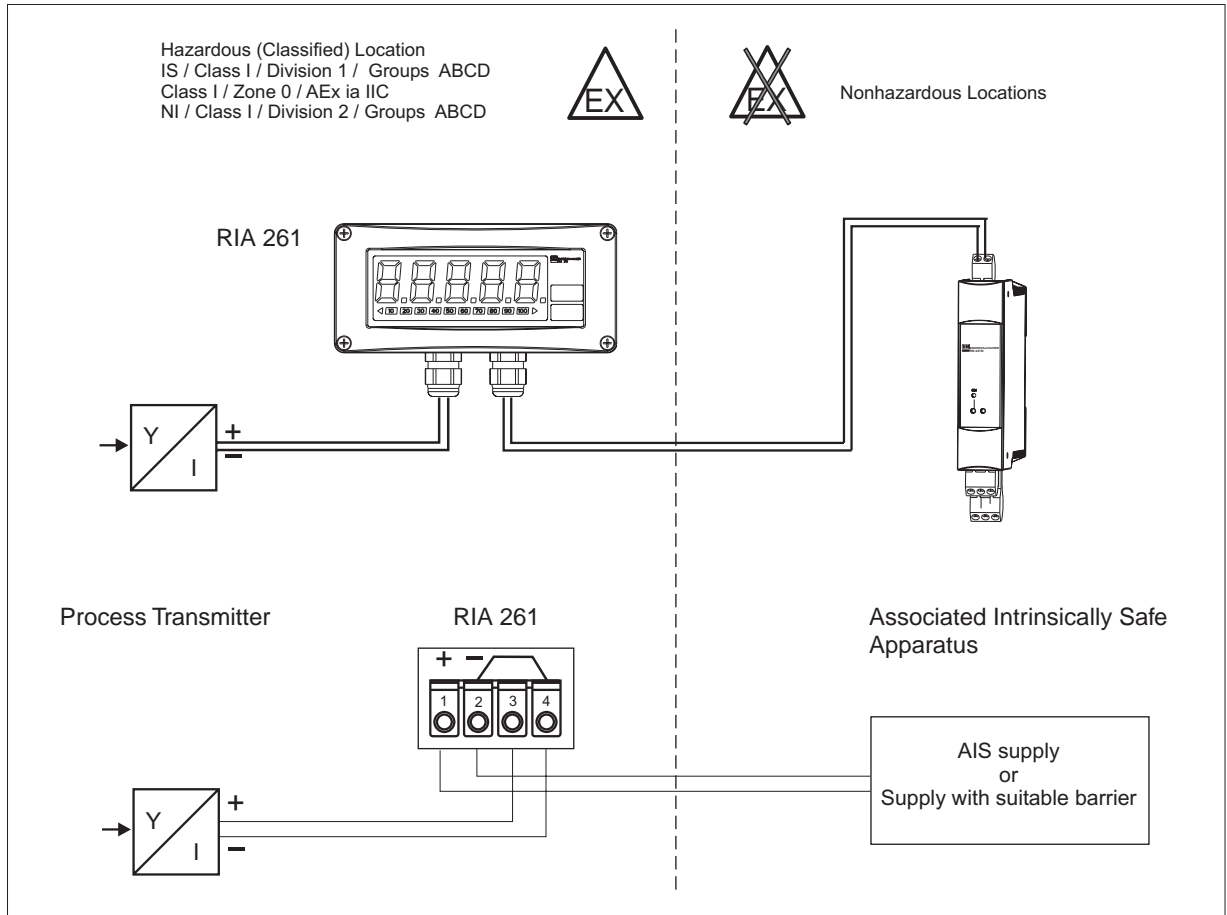


Hazardous (Classified) Location  
 IS / Class I / Division 1 / Groups ABCD  
 Class I / Zone 0 / AEx ia IIC  
 NI / Class I / Division 2 / Groups ABCD



Nonhazardous Locations



**Installation Notes RIA 261**

- 1.) Installation must be in accordance with National Electrical Code ANSI / NFPA 70 and ANSI / ISA 12.6
- 2.) Programming in hazardous location is permitted.
- 3.) Transmitter specifications must be in accordance to approval listing.
- 4.) FM certified associated apparatus must meet the following requirements:

$$V_{oc} \leq V_{max} \quad C_a \geq C_i + C_{cable} + C_{i,RIA} \quad C_{RIA}, L_{RIA} = \text{capacitance, inductance of the RIA 261}$$

$$I_{sc} \leq I_{max} \quad L_a \geq L_i + L_{cable} + L_{i,RIA} \quad C_i, L_i = \text{capacitance, inductance of the unidentified transmitter}$$

Entity Parameters for Terminals:

<b>RIA 261</b>	<b>IS / Class I / Division 1 / Groups ABCD / T6</b> <b>Class I / Zone 0 / AEx ia IIC T6</b> <b>NI / Class I / Division 2 / Groups ABCD / T6</b>
Supply circuit (Terminal 1 ... 4)	V <sub>max</sub> < 30 V I <sub>max</sub> < 150 mA P <sub>i</sub> < 1.1 W C <sub>i,RIA</sub> = 0 L <sub>i,RIA</sub> = 0
Temperature range	T6 Ta = -20°C ... +60°C

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Edge of working parts ISO 13715 		Geometrical Tolerancing ISO 2768-mH-E		series	Scale	Volume: [mm <sup>3</sup> ]
					Material ZD 009R/09/en/08.01	Ident.-No. 510 03934
		Date		Name	Title <b>CONTROL DRAWING FM RIA 261</b>	
		Drawn	2001-01-10	Kellermann		
		Check	2001-01-10	Kellermann		
		Norm				
		Sheet size A4				
		Repl. for:				
Index		Revision	Date	Name	Drawing No.	
Part:				<b>ENDRESS+HAUSER WETZER</b>	<b>02 06 00 111</b>	
						Sheet 1
						Of 1