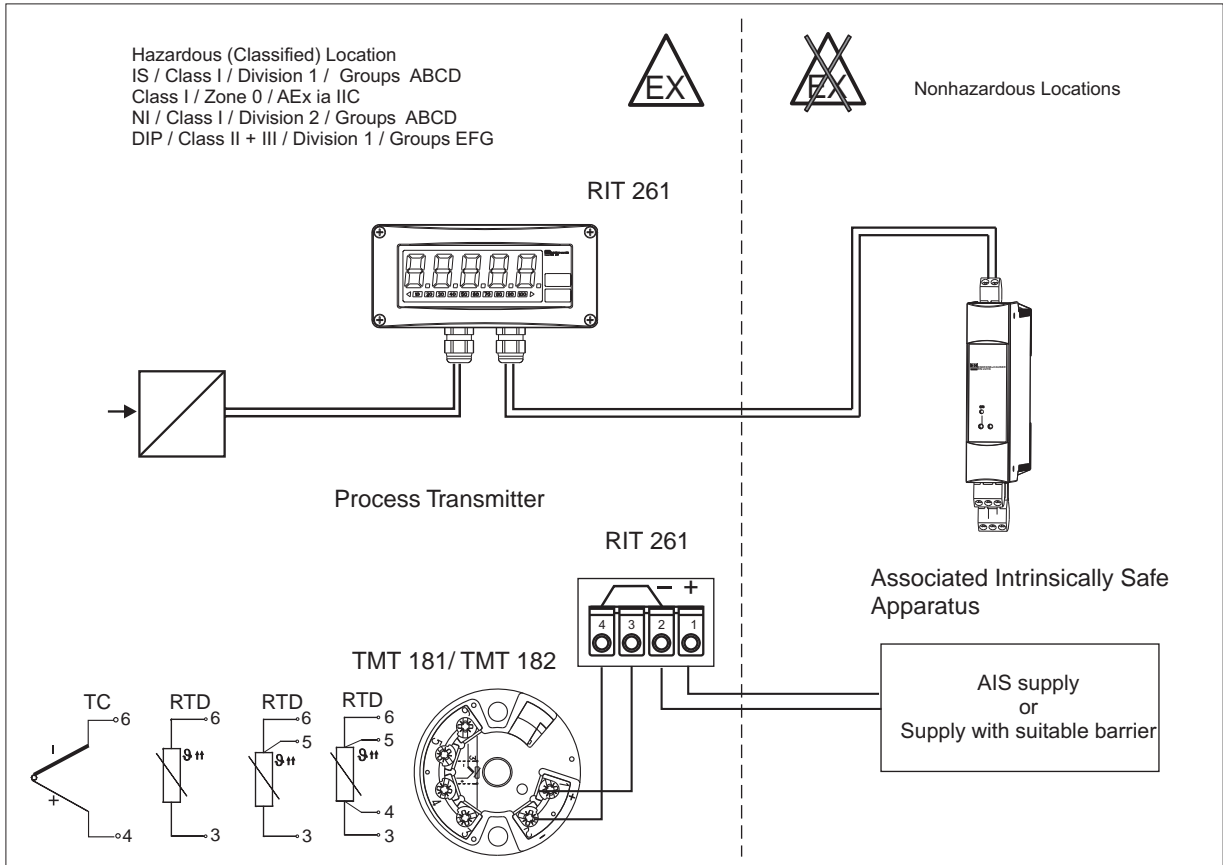


Hazardous (Classified) Location
 IS / Class I / Division 1 / Groups ABCD
 Class I / Zone 0 / AEx ia IIC
 NI / Class I / Division 2 / Groups ABCD
 DIP / Class II + III / Division 1 / Groups EFG



Nonhazardous Locations



Installation Notes RIT 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.) FM certified associated apparatus must meet the following requirements:
 U_o or $V_{oc} \leq U_i$ or V_{max} I_o or $I_{sc} \leq I_i$ or I_{max} P_o or $P_{max} \leq P_i$ or P_{max} $C_a \geq C_i + C_{cable}$
 $L_a \geq L_i + L_{cable}$
- 4.) Use supply wires suitable for 5°C above surrounding.

(These instructions are only valid if the headtransmitter TMT 181 is used)

- 5.) The configuration of the headtransmitter TMT 181 is only permitted in nonhazardous locations.
- 6.) The voltage of the "tools" used for configuration should not exceed $U_m = 30V$. This can be achieved e.g. By a battery powered laptop. An approved adapter with barrier (e.g. TMT 181A) has to be used for configuration using a PC with mains connection ($U_m < 253V$)

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Edge of working parts ISO 13715		Geometrical Tolerancing ISO 2768-mH-E		Scale	Volume: [mm³]
		Date		Name	
		Drawn 2001-08-17		Pfanzelt	
		Check 2001-08-17		Pfanzelt	
		Norm			
		Sheet size A4			
		Repl. for:			
A		2002-05-21		Pfanzelt	
Index		Revision		Date	
Part:		ENDRESS+HAUSER WETZER		Drawing No. 02 09 00 111	
				Sheet 1	
				Of 2	

RIT 261	IS / Class I / Division 1 / Groups ABCD / T6 Class I / Zone 0 / AEx ia IIC / T4/T5/T6 NI / Class I / Division 2 / Groups ABCD / T6 DIP / Class II+III / Division1 / Groups EFG T6
Supply circuit (Terminal 1 and 2)	$V_{max} = U_i \leq 30 \text{ VDC}$ $I_{max} = I_i \leq 100 \text{ mA}$ $P_{max} = P_i \leq 750 \text{ mW}$ $C_i = \text{negligible small}$ $L_i = \text{negligible small}$

Optional Sensor circuit

TMT 181 (Terminal 3 until 6)	$V_{oc} = U_o \leq 8.2 \text{ VDC}$ $I_{sc} = I_o \leq 4.6 \text{ mA}$ $P = P_o \leq 9.35 \text{ mW}$
Max. Connecting Values Group A, B AEx ia IIC Group C AEx ia IIB Group D AEx ia IIB	$L_a = L_o = 4.5 \text{ mH}$ $C_a = C_o = 974 \text{ nF}$ $L_a = L_o = 8.5 \text{ mH}$ $C_a = C_o = 1900 \text{ nF}$ $L_a = L_o = 1000 \text{ mH}$ $C_a = C_o = 210 \text{ }\mu\text{F}$
TMT 182 (Terminal 3 until 6)	$V_{oc} = U_o \leq 6.0 \text{ VDC}$ $I_{sc} = I_o \leq 2.5 \text{ mA}$ $P = P_o \leq 3.75 \text{ mW}$
Max. Connecting Values Group A, B AEx ia IIC Group C AEx ia IIB Group D AEx ia IIA	$L_a = L_o = 100 \text{ mH}$ $C_a = C_o = 40 \text{ }\mu\text{F}$ $L_a = L_o = 100 \text{ mH}$ $C_a = C_o = 1000 \text{ }\mu\text{F}$ $L_a = L_o = 100 \text{ mH}$ $C_a = C_o = 1000 \text{ }\mu\text{F}$
Temperature range	T6: $T_a = -20^\circ\text{C} \dots +60^\circ\text{C}$

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Edge of working parts ISO 13715		Geometrical Tolerancing ISO 2768-mH-E		series	Scale	Volume: [mm ³]
					Material ZD 011R/09/en/03.02	
				Date	Name	Ident.-No. 51004615
				Drawn 2001-08-17	Pfanzelt	Title CONTROL DRAWING FM RIT 261
				Check 2001-08-17	Pfanzelt	
				Norm		
				Sheet size A4		
				Repl. for:		
A		2002-05-21	Pfanzelt	ENDRESS+HAUSER WETZER		Drawing No. 02 09 00 111
Index	Revision	Date	Name			Sheet 2
Part:						Of 2