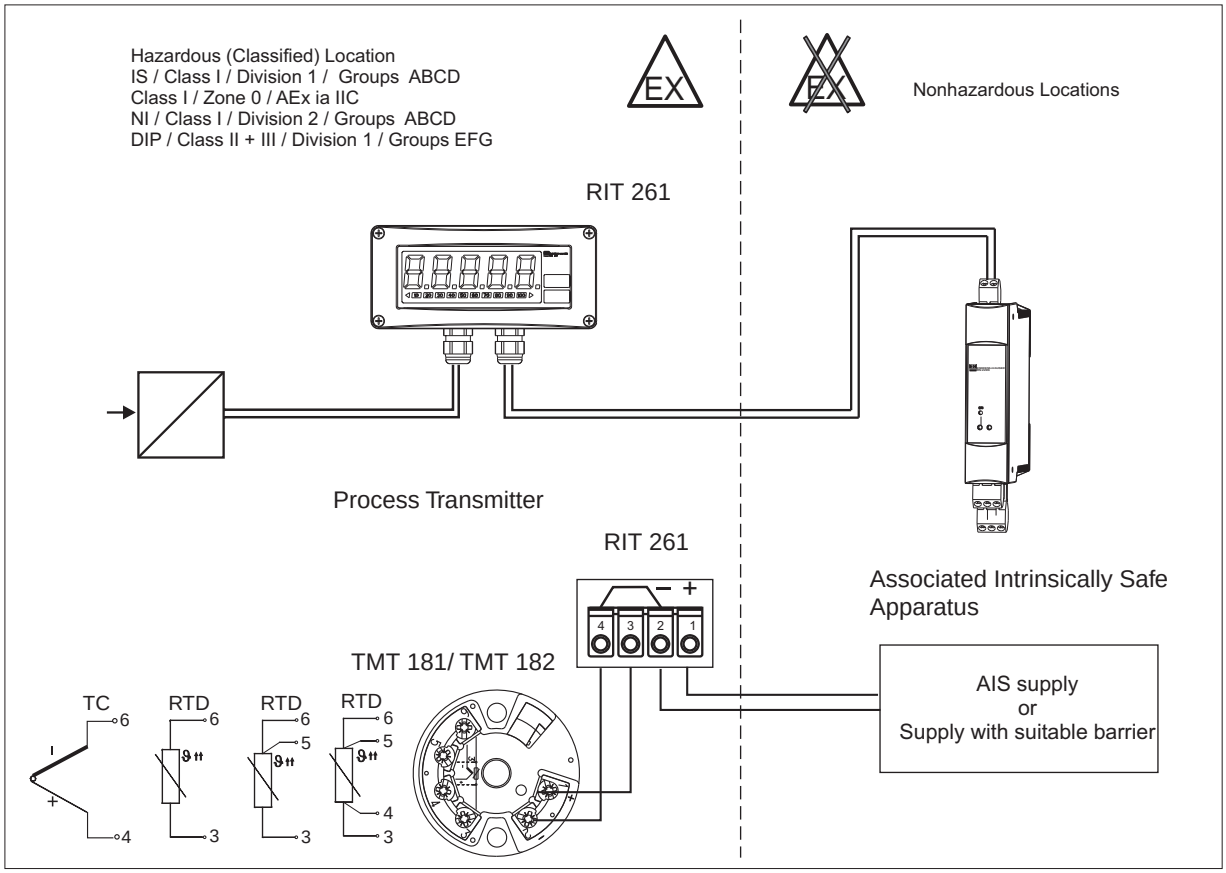

FM APPROVED

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:
Uo or Voc ≤ Ui or Vmax Io or Isc ≤ Ii or Imax Po or Pmax ≤ Pi or Pmax Ca ≥ Ci + Ccable
La ≥ Li + Lcable
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 Um= 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 (Um < 253V)

Edge of working parts ISO 13715 -0.3 +0.2				Geometrical Tolerancing ISO 2768-mH-E		Series	Scale / Volume: [mm³]
							Material ZD 011R/09/en/03.02 Ident.-No. 51004615
					Date	Name	Title
				Drawn	2001-08-17	Pfanzelt	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
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Part:							

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)	Vmax = Ui ≤ 30 VDC Imax = Ii ≤ 100 mA Pmax = Pi ≤ 750 mW Ci = negligible small Li = negligible small

Optional Sensor circuit

TMT 181 (Terminal 3 until 6)		Voc = Uo ≤ 8.2 VDC Isc = Io ≤ 4.6 mA P = Po ≤ 9.35 mW
Max. Connecting Values	Group A, B AEx ia IIC Group C AEx ia IIB Group D AEx ia IIB	La = Lo = 4.5 mH Ca = Co = 974 nF La = Lo = 8.5 mH Ca = Co = 1900nF La = Lo = 1000 mH Ca = Co = 210 µF
TMT 182 (Terminal 3 until 6)		Voc = Uo ≤ 6.0 VDC Isc = Io ≤ 2.5 mA P = Po ≤ 3.75 mW
Max. Connecting Values	Group A, B AEx ia IIC Group C AEx ia IIB Group D AEx ia IIA	La = Lo = 100 mH Ca = Co = 40 µF La = Lo = 100 mH Ca = Co = 1000 µF La = Lo = 100 mH Ca = Co = 1000 µF
Temperature range		T6: Ta = -20°C ... +60°C

Edge of working parts ISO 13715 -0.3 +0.2

Geometrical Tolerancing ISO 2768-mH-E

Series

Scale

Volume: [mm³]

Material ZD 011R/09/en/03.02

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