Installation Notes TMT 111, TMT 117, TMT 118



- 1) FM Approvals certified apparatus must be installed in accordance with manufacturer instructions.
- 2) FM Approvals 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
- The installation must be in accordance with the National Electrical Code NEC ANSI / NFPA 70, Article 504 and ANSI / ISA-RP 12.06.01
- 4) Use supply wires suitable for 5°C above surrounding.
- 5) The configuration of the transmitter TMT 111 is only permitted in nonhazardous locations.
- 6) The voltage of the "tools" used for configuration should not exceed Um = 30 V. This can be achieved e.g. by a battery powered laptop. An approved adapter with barrier (e.g. TMT181A) has to be used for configuration using a PC with mains connection (Um < 253V).

Warning: Substitution of components may impair intrinsic safety

TMT 111, TMT 117, TM	Γ 118		IS / Class I / Division 1 / Groups ABCD / T4/T5/T6 Class I / Zone 0 / AEx ia IIC / T4/T5/T6 NI / Class I / Division 2 / Groups ABCD / T4/T5/T6			
Supply circuit (Terminal 5 and 6)			$\begin{array}{llllllllllllllllllllllllllllllllllll$			
Sensor circuit (Terminal 1 until 4)			Voc = Uo ≤ 2.5 VDC Isc = Io ≤ 2.2 mA P = Po ≤ 1.4 mW			
Max. Connecting Values (concentrative L, C e.g. cable)	Group A, B Group C Group D	IIC IIB IIA	La = Lo = 1000 mH			
Temperature range			T6: Ta = -40°C +50°C T5: Ta = -40°C +65°C T4: Ta = -40°C +85°C			

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Edge of working parts ISO 13715			Geometrical Tolerancing ISO 2768-mH-E			Scale	Volume: [mm³]		
					serie		ZD 036R/09/en/02.05 510 09871		
					Date	Name	Title		
				Drawn	2003-09-25	Meroth			
				Check.	2001-09-25	Meroth		control drawing FM iTEMP TMT 111(7)(8)	
				Norm					
				Sheet size A4					
				Repl. for:					
				FNIC	ENDRESS+HAUSER			Drawing No. 14 17 01 111	
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