



Installation Notes TMT112



- 1) FM Approvals certified apparatus must be installed in accordance with manufacturer's instructions.
- 2) FM Approvals 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} $C_a \geq C_i + C_{cable}$ $L_a \geq L_i + L_{cable}$
- 3) The installation must be in accordance with NEC ANSI / NFPA 70, Article 500, 504 and ANSI / ISA-RP 12.06.01
- 4) Install the device of Protection Ratings of least IP20, NEMA 1, Type 1.
- 5) Use supply wires suitable for 5°C above surrounding.

TMT112		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)		$V_{max} = U_i \leq 30$ VDC $I_{max} = I_i \leq 100$ mA $P_{max} = P_i \leq 750$ mW $C_i =$ negligible small $L_i =$ negligible small	
Sensor circuit (Terminal 1 until 4)		$V_{oc} = U_o \leq 6.0$ VDC $I_{sc} = I_o \leq 11.9$ mA $P = P_o \leq 17.9$ mW	
Max. Connecting Values (concentrative L, C e.g. cable)	Group A, B Group C Group D	IIC IIB IIA	$L_a = L_o = 222$ mH $L_a = L_o = 900$ mH $L_a = L_o = 900$ mH $C_a = C_o = 40$ μ F $C_a = C_o = 1000$ μ F $C_a = C_o = 1000$ μ F
Temperature range	T6: $T_a = -40^\circ\text{C} \dots +55^\circ\text{C}$ T5: $T_a = -40^\circ\text{C} \dots +70^\circ\text{C}$ T4: $T_a = -40^\circ\text{C} \dots +85^\circ\text{C}$		

Endress + Hauser
 Endress + Hauser Wetzlar GmbH+Co.KG
 Division Germany, 67484, Nesselwang

Material	71540246	Name	-	Revision date (yyyy-mm-dd)	-
Objekt version	-	Title	Control drawing FM	Revision no.	-
Sheet	1 of 1	Scale	-	Dwg. rev.	-
		Formal	-	Drawing No.	14 08 01 111
		Part No.	-	Date (yyyy-mm-dd)	2003-09-25
				Unit	TMT112
				Date (yyyy-mm-dd)	2003-09-25
				Date (yyyy-mm-dd)	2003-09-25
Approved	Meroth				
Checked By	Meroth				
Designed	Meroth				

Agency controlled drawing.
 No changes without prior
 agency approval.