



Installation Notes TMT112

- 1) CSA certified apparatus must be installed in accordance with manufacturer's instructions.
- 2) The installation must be in accordance with the Canadian Electrical Code.
- 3) CSA 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 $P_{max} \leq P_i$ C_a or $C_o \geq C_i + C_{cable}$
 L_a or $L_o \geq L_i + L_{cable}$
- 4) Use supply wires suitable for 5°C above surrounding.
- 5) The product will be installed in a suitable enclosure accepted by local authority having jurisdiction
- 6) Terminals 1, 2, 3 and 4 provide Intrinsically safe and non-incendive circuits to RTD's, Thermocouples and other passive resistive devices.
- 7) For Division 2 installations
 Warning: Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.
 Warning: Substitution of components may impair suitability for intrinsic safety and Class I, Division 2.



TMT112	INTRINSICALLY SAFE Class I / Div. 1 / Groups ABCD / T4/T5/T6 Class I / Zone 0 / Ex ia IIC / T4/T5/T6	NONINCENDIVE Class I / Div. 2 / Groups ABCD / T4/T5/T6
Supply circuit (Terminals 5+ and 6-)	$V_{max} = U_i \leq 30 \text{ VDC}$ $C_i = 0$ $I_{max} = I_i \leq 100 \text{ mA}$ $L_i = 0$ $P_{max} = P_i \leq 750 \text{ mW}$	$V_{max} = U_i \leq 30 \text{ VDC}$ $C_i = 0$ $I_{max} = I_i \leq 100 \text{ mA}$ $L_i = 0$
Sensor circuit (Terminals 1, 2, 3 and 4)	$V_{oc} = U_o \leq 5,0 \text{ VDC}$ $I_{sc} = I_o \leq 5,9 \text{ mA}$ $P = P_o \leq 7,2 \text{ mW}$	
Max. Connecting Values (concentrative L, C e.g. cable)	Group A, B IIC Group C IIB Group D IIA	$L_a = L_o = 100 \text{ mH}$ $C_a = C_o = 100 \mu\text{F}$ $L_a = L_o = 100 \text{ mH}$ $C_a = C_o = 1000 \mu\text{F}$ $L_a = L_o = 100 \text{ mH}$ $C_a = C_o = 1000 \mu\text{F}$
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: $T_a = -40^\circ\text{C} \dots +85^\circ\text{C}$	
	NONINCENDIVE Class I / Division 2 / Groups ABCD / T4/T5/T6 $V_{max} \leq 35 \text{ VDC}$ intrinsic safety barrier not required	

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Material	71540242	Name	-
	Objekt version		Serie
Revision date (yyyy-mm-dd)	-	Title	Control drawing CSA
Revision no.	-	Scale	Formal
Dwg rev.	-	Drawing No.	14 08 01 112
		Unit	TMT112
Date (yyyy-mm-dd)	2004-01-26	Date (yyyy-mm-dd)	2004-01-26
Approved	Meroth	Date (yyyy-mm-dd)	2004-01-26
Checked By	Meroth		
Designed	Meroth		

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Agency controlled drawing.
No changes without prior agency approval.