

Co or Ca = 10.4 uF

Co or Ca = 160μ F

Co or Ca = 1000 uF

Lo or La = 40 mH

Lo or La = 150 mH

Lo or La = 300 mH

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T4

T5

T6

Group A. B resp. IIC

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Group C resp. IIB

Group D resp. IIA

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Installation Notes TMT 142



- CSA certified apparatus must be installed in accordance with manufacturer's instructions.

- Installation must be in accordance with Canadian Electrical Code.

- All Conduits must be assembled with a minimum of five full threads engagement.
- Temperature Sensor assembly must be CSA approved for appropriate area classification.
- Use supply wires suitable for 5°C above surroundings.
- Stating that only simple apparatus should be terminated to the sensor connection.
- Simple apparatus are components as defined by the CEC (1.2V, 0.1A, 0.25mW or 20µJ)
- Seal all conduits within 18 inches of enclosure.
- In Class II use a dust tight seal.
- A dust tight seal must be used for conduit entry when the field display is used in a Class II or Class III location.
- Keep tight when circuits alive.
- Supply circuit (Terminals + and -)

II < 40 V DCP = 3 W

- Warning: Substitution of components may impair suitability for Class I, Division 2.

- Warning: Do not disconnect equipment unless power has been switched off or the area is known to be

non hazardous.

NONINCENDIVE

Class I / Div. 2 / Groups ABCD

- Intrinsic safety barrier is not required. Vmax ≤ 40 V DC.
- Warning: Do not disconnect equipment unless power has been switched off or the area is known to be nonhazardous.
- Nonincendive field wiring installation

The Nonincendive Field Wiring Circuit Concept allows interconnection of Nonincendive Field Wiring Apparatus with Associated Nonincendive Field Wiring Apparatus or Associated Intrinsically Safe Apparatus or Associated Apparatus not specifically examined in combination as a system using any of the wiring methods permitted for unclassified locations, when $Voc \le Vmax$, $Ca \ge Ci + Ccable$, $La \ge Li + Lcable$.

Transmitter Nonincendive Field Wiring parameters are as follows:

Ui or Vmax < 40 V DC

Ci = 5.3 nF Li = 0

Ii or Imax = see following note below

For these current controlled circuits, the parameter Imax is not required and need not to be aligned with parameter Isc and It of the Associated Nonincendive Field Wiring Apparatus or Associated Apparatus.

Functional ratings

These ratings do not supersede Hazardous Location values

IInom < 40 DCInom < 4 to 20 mA

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		Pfanzelt	2005-04-01	14 25 00 114	Α	T05N05	2005-11-08	MP	ZD 045R	/09/en/11.05	Endress+Hauser 🗗	J
	Volume (mm³)	Designed	Date (yyyy-mm-dd)	Unit	Scale	Title					7	
		Meroth	2005-03-29	iTEMP TMT142	1:1	CONTROL DRAWING CSA			Se	ries		
	Refer to protection notice	Edge of working parts	Geometrical tolerancing	Part No.	Format	XP, NI, D	IP		Objekt versk	on Sheet	Endress + Hauser Wetze	er
	isO 16016	ISO 13715	ISO 2768-mH-F	-	A4	1 ' '				1 of 1	GmbH+Co. KG Nesselwang / German	ny I

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