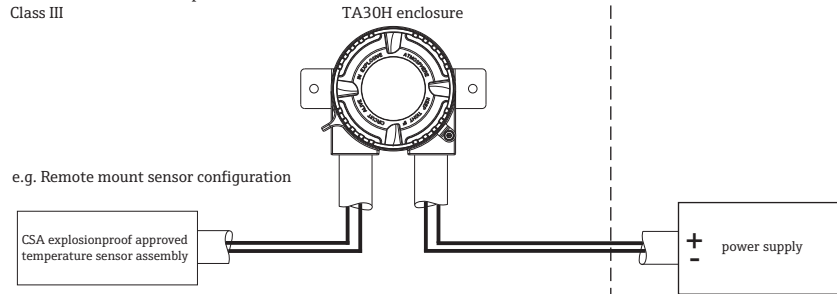
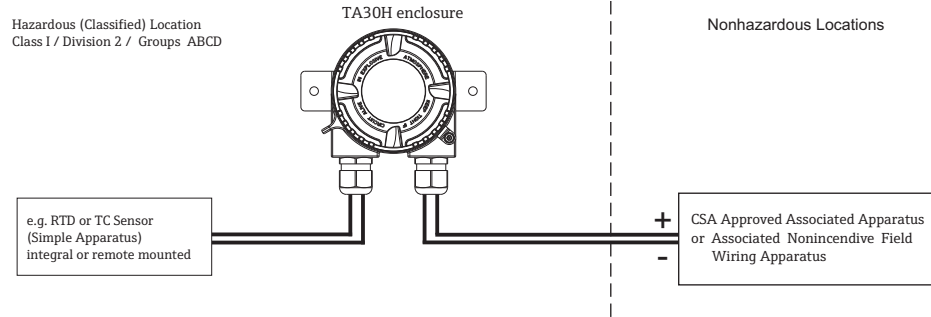


Hazardous (Classified) Location
 Class I / Division 1, 2 / Groups ABCD
 Class II / Division 1 / Groups EFG
 Class III



Hazardous (Classified) Location
 Class I / Division 2 / Groups ABCD



Temperature range

without display, TID10
 T4 -40°C ... +85°C
 T5 -40°C ... +80°C
 T6 -40°C ... +70°C

with display, TID10
 T4 -40°C ... +85°C
 T5 -40°C ... +80°C
 T6 -40°C ... +70°C

NONINCENDIVE, FIELD WIRING

Class I / Div. 2 / Groups ABCD

Sensor circuits (Terminals 3...7)

Uo or Voc or Vt = 7.6 V Io or Isc = 13 mA Po = 24.7 mW
 Group A, B resp. IIC Co or Ca = 10.4 µF Lo or La = 236 mH
 Group C, D resp. IIB Co or Ca = 160 µF Lo or La = 946 mH
 Group C, D resp. IIA Co or Ca = 1000 µF Lo or La = 1.893 H

Installation Notes TMT82

- CSA approved apparatus must be installed in accordance with manufacturer's instructions.
- Install per Canadian Electrical Code.
- Temperature Sensor assembly must be CSA approved for appropriate area classification.
- Use supply wires suitable for 5°C above surroundings.
- Keep tight when circuits alive.
- Warning: Substitution of components may impair intrinsic safety or suitability for Class I, Division 2.



**EXPLOSION PROOF
 DUST IGNITION PROOF**

**Class I / Div. 1 / Groups ABCD
 Class II, III / Div. 1 / Groups EFG**

- All conduits must be assembled with a minimum of five full threads engagement.
- Seal all conduits within 18 inches of enclosure.
- In Class II use a dust tight seal.
- 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 not required.
- Warning: Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.
- 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 $V_{oc} \leq V_{max}$, $C_a \geq C_i + C_{cable}$, $L_a \geq L_i + L_{cable}$.
 Transmitter Nonincendive Field Wiring parameters are as follows:
 U_i or $V_{max} \leq 35$ V DC $C_i = 0$ nF $L_i = 0$
 I_i or I_{max} = see following note below
 For these current controlled circuits, the parameter I_{max} is not required and need not to be aligned with parameter I_{sc} and I_t of the Associated Nonincendive Field Wiring Apparatus or Associated Apparatus.

Functional ratings

These ratings do not supersede Hazardous Location values
 $U_{nom} \leq 42$ DC $I_{nom} \leq 4$ to 20 mA

	Approved Pfanzelt	Date (yyyy-mm-dd) 2011-06-08	Drawing No. 34 05 00 114	Dwg.rev. -	Revision no. -	Revision date (yyyy-mm-dd) -	Name -	Material 71540293 XA02285T/09/EN/01.20	Endress+Hauser
Volume (mm³)	Designed Pfanzelt	Date (yyyy-mm-dd) 2011-06-06	Unit ITEMP TMT82	Scale 1:1	Title CONTROL DRAWING CSA XP, NI, DIP			Series	
Refer to protection notice ISO 16016	Edge of working parts ISO 13715	Geometrical tolerancing ISO 2768-mH-E	Part No. -	Format A4	Objekt version	Sheet 1 of 1	Endress + Hauser Wetzer GmbH+Co. KG Nesselwang / Germany		