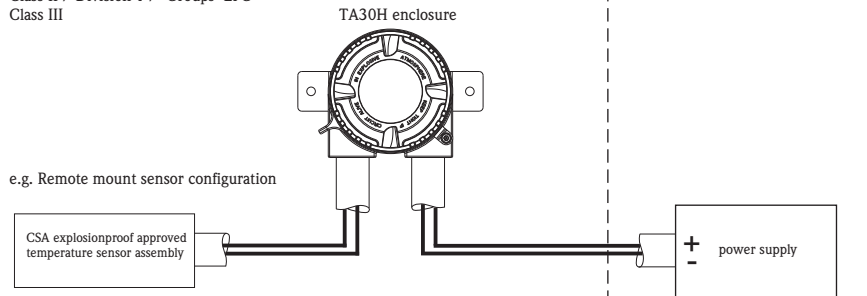
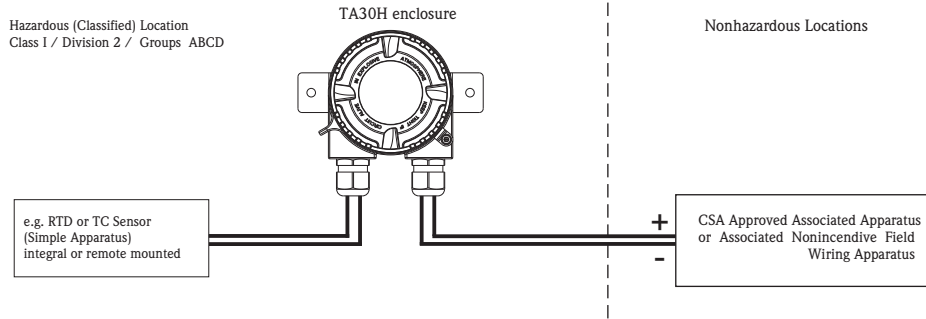


Hazardous (Classified) Location
 Class I / Division 1, 2 / Groups ABCD
 Class II / Division 1 / Groups EFG
 Class III



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)

U_o or V_{oc} or $V_t = 7.2 V$ I_o or $I_{sc} = 25.9 mA$ $P_o = 46.7 mW$
 Group A, B resp. IIC C_o or $C_a = 13.5 \mu F$ L_o or $L_a = 59 mH$
 Group C, D resp. IIB C_o or $C_a = 240 \mu F$ L_o or $L_a = 238 mH$
 Group C, D resp. IIA C_o or $C_a = 1000 \mu F$ L_o or $L_a = 477 mH$

Installation Notes TMT84 and TMT85

- 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. $V_{max} \leq 35 V DC$.
- 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 $V_{max} \leq 35 V DC$ $C_i \leq 5 nF$ $L_i \leq 10 \mu F$
 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.
- Warning: Explosion Hazard- Do not disconnect equipment unless power has been switched off or the area is known to be non hazardous
- The transmitter is suitable to be installed according the FNICO concept.

	Approved Pfanzelt	Date (yyyy-mm-dd) 2011-06-08	Drawing No. 34 02 00 114	Dwg.rev.	Revision no.	Revision date (yyyy-mm-dd)	Name	Material 71161266 ZD00089R/09/en/01.12	Endress+Hauser
Volume (mm³)	Designed Pfanzelt	Date (yyyy-mm-dd) 2011-06-06	Unit ITEMP TMT84, TMT85	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		