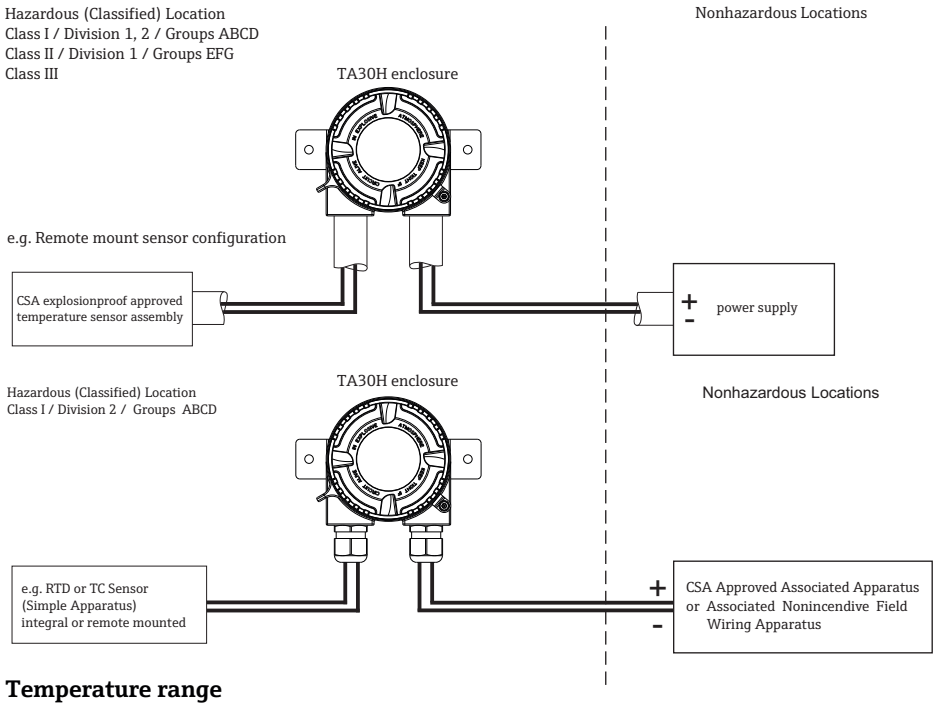

Temperature range

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

Combined values:

Group A, B resp. IIC	Co or Ca = 1 µF	Lo or La = 10 mH
Group C, D resp. IIB	Co or Ca = 4.5 µF	Lo or La = 50 mH
Group C, D resp. IIA	Co or Ca = 6.7 µF	Lo or La = 50 mH

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.
  AVERTISSEMENT: LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SÉCURITÉ INTRINSÈQUE OU L'APTITUDE À LA CLASSE I, DIVISION 2.

EXPLOSION PROOF **Class I / Div. 1 / Groups ABCD**
DUST IGNITION PROOF **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 Ex ic IIC**

- Installation should be in accordance with the Canadian Electrical Code (CEC).
- Intrinsic safety barrier is required. Vmax ≤ 35 V DC.
- WARNING: EXPLOSION HAZARD - DO NOT CONNECT OR DISCONNECT WHILE CIRCUITS ARE LIVE UNLESS AREA IS KNOWN TO BE NON-HAZARDOUS.
  AVERTISSEMENT: RISQUE EXPLOSIF- NE JAMAIS BRANCHEZ OU DECONNECTEZ QUAND LES CIRCUITS INTERNES SONT SOUS TENSION Á MOINS QUE LA ZONE SOIT PAS À RISQUES.
- 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 ≤ Vmax,
  Ca ≥ Ci + Ccable, La ≥ Li + Lcable.
  Transmitter Nonincendive Field Wiring parameters are as follows:
  Ui or Vmax ≤ 35 V DC Ci = 0 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
Unom ≤ 42 DC Inom ≤ 4 to 20 mA

	Approved	Date (yyyy-mm-dd)	Drawing No.	Dwg.rev.	Revision no.	Revision date (yyyy-mm-dd)	Name	Material	
	Pfanzelt	2011-06-08	34 05 00 114	A	-	2023-04-27	MP	71649104 XA02285T/09/EN/02.24-00	Endress+Hauser
Volume (mm³)	Designed	Date (yyyy-mm-dd)	Unit	Scale	Title			Series	
	Pfanzelt	2011-06-06	iTEMP TMT82	1:1	CONTROL DRAWING CSA XP, NI, DIP			Objekt version	Sheet
Refer to protection notice ISO 16016	Edge of working parts ISO 13715	Geometrical tolerancing ISO 2768-mH-E	Part No. -	Format A4					1 of 1

Endress + Hauser Wetzer GmbH+Co. KG Nesselwang / Germany